AGENDA

SOLVANG CITY COUNCIL
MONDAY JULY 14, 2025
6:30 PM REGULAR MEETING

City Council:

David Brown,	Mayor
Mark Infanti	District 1
Claudia Orona	Mayor pro tem, District 2
Louise Smith	District 3
Elizabeth Orona	District 4

1644 Oak Street, Solvang, Ca 93463
Virtual & in Council Chamber

AGENDA AND SUPPORTING MATERIALS – Available for viewing 8:00a.m.-5:00p.m. at City Hall, 1644 Oak Street, Solvang, and on the City's website https://www.cityofsolvang.com/agendacenter. Additional writings distributed to a majority of the City Council after the posting of the agenda will be made available at City Hall and on the City's website.

AGENDA POSTING NOTIFICATION - Subscribe to receive email or text message notifications when agendas are posted online through "Notify Me" at: https://www.cityofsolvang.com/List.aspx

PUBLIC COMMENT - The public is encouraged to address the City Council in-person, virtually, or in-writing on agenda and non-agenda items. If provided in writing, comments must be submitted to the City Clerk at cityclerk@cityofsolvang.com by 5:00 p.m. on the Friday before the meeting to be considered. Your comment will be recorded and distributed appropriately. Comments on agenda items will be heard at the time each item is considered, including non-agenda items. In-person speakers will be invited to make public comments first. Virtual speakers will follow.

CAMPAIGN CONTRIBUTION DISCLOSURE - Pursuant to Government Code Section 84308, any party to a City proceeding must disclose on the record any campaign contributions made to a member of the City Council [or commission] in excess of $250 in the past 12 months. This disclosure requirement includes contributions by the party's agent and aggregated contributions from persons or entities related to the party. Please make the disclosure as soon as possible, but not later than the beginning of the proceeding.

AMERICANS WITH DISABILITIES ACT - If, as a participant of this meeting, you need special assistance the City will attempt to accommodate you in every reasonable manner. Please contact the City Clerk at either (805) 688-5575 x206 or cityclerk@cityofsolvang.com. 72- hours' notice is requested.

LET YOUR VOICE BE HEARD! Do you have about one minute a month to help make Solvang better? The City of Solvang is working with FlashVote to engage the community and gather valuable input from residents to inform our decisions. We encourage residents to sign up at www.flashvote.com/Solvang or call 775-235-2240 to participate by phone or text only.

PARTICIPATING IN THE MEETING – City Council meetings will be in person and conducted by video/teleconferencing through Zoom. The meeting will also be broadcast live on Channel 23 and streamed on the City's website, Vimeo, and YouTube *ht*tps://www.youtube.com/@CityofSolvang1/

- To join by Zoom, visit https://zoom.us/j/3066529195. If you wish to speak, please use the "raised hand" symbol.
- To join by phone, call **(888) 788-0099** and enter Meeting ID: **306 652 9195#**. The phone line will be open 30 minutes before the meeting.

6:30 PM REGULAR MEETING

CALL TO ORDER
ROLL CALL
PLEDGE OF ALLEGIANCE

1. PROCLAMATIONS, COMMENDATIONS AND CEREMONIAL ITEMS

None

2. PRESENTATIONS

None

3. PUBLIC COMMUNICATIONS – NON- AGENDA AND CONSENT ITEMS

To address the Council on items not on the Agenda and on Consent. Each speaker will be afforded three minutes.

4. CITY MANAGER REPORT AND ADVANCE CALENDAR

Informational Report 4

5. GC SECTION 53232.3(d) (aka AB 1234) and GC SECTION 84308 (aka SB 1439), REPORT OUT, EX-PARTE COMMUNICATIONS, COUNCIL COMMENTS, REQUESTS

Meetings attended, contributions made or received, communications, Comments and requests

6. CONSENT ITEMS

Routine; administrative city matters approved with one motion.

a. Approve Order of Agenda.

b. Approve City Council Minutes: June 23, 2025 5

c. Quarterly public records requests report 9

d. June Warrants 25

e. Quarterly Marketing Reports 32

f. Council Goals update 108

g. SBC Civil Grand Jury Report 2024-25 112

h. Adopt Resolution No. 25-1300 authorizing execution of agreement with SBCAG for SB 125 Transit Program funding 320

i. Approve GeoSolutions contract for Fredensborg Canyon Road Multi-Purpose Trail design 335

j. SYVT Monthly Report 354

k. SBC Fire Quarterly Reports 372

7. PUBLIC HEARINGS

a. Resolution No. 25-1299, Ratifying FY 2025/2026 Appropriation Limit 380

b. Resolution 25-1298 Amending the Safety Element of the Solvang General Plan to incorporate the adopted Local Hazard Mitigation Plan, and update Figure SAF-8, Fire Hazard Severity Zones 383.

8. DISCUSSION ITEMS:

a. Cross-Connection Control 438

i. Updated Cross-Connection Control Plan.

ii. Introduce, for first reading by title only, Ordinance 25-0383 Amending the City's Cross-Connection Program and making a determination of exemption under the California Environmental Quality Act.

b. Approval of Willdan Engineering and 4Leaf, Inc. contracts for Building Official Services, Plan Review, and Inspection. 559

c. Approval of XIT Inc dba XIT Solutions contract for surveillance camera and related services. 666

9. COUNCIL CLOSING COMMENTS

10. ADJOURNMENT

AFFIDAVIT OF POSTING

I, Annamarie Porter, City Clerk for the City of Solvang, California, DO HEREBY CERTIFY under penalty of perjury under the laws of the State of California, that the foregoing notice was posted at the City of Solvang City Hall bulletin board at 1644 Oak Street, Solvang, CA and on the City of Solvang website not less than 72 hours prior to the meeting, per Government Code 54954.2.
Dated this 10th day of July 2025.

CITY COUNCIL ADVANCE CALENDAR

Meeting Date	Agenda Item	Agenda	Dept
28-Jul	No Meeting		
11-Aug	Quarterly Financial Report	Consent	Finance
	Solvang Senior Center Update	Presentation	Administration
	2nd Reading Cross Connection Program	Consent	Utilities
	Wine Country Marathon & Julefest Planning Update	Discussion	Parks & Rec
	Section 115 Resolution & Policy	Public Hearing	Administration
	Short term rentals outside of the TRC	Discussion	Planning
25-Aug	No Meeting		
8-Sep	Special Events Guidelines Update	Discussion	Parks & Rec
	Sheriff's Calendar Year 2024 Report	Presentation	Administration
	Adopt short term rentals policy & application	Discussion	Planning
22-Sep	Downtown Business Improvement District Report	Discussion	Administration
	Objective Design Standards Reso & Policy	Discussion	Planning
	CCWA Bond Update	Discussion	Utilities
	PG&E Presentation	Presentation	Administration
	Chain Retailers	Discussion	Planning
13-Oct	CCCE presentation	Presentation	Administration
	County Accessor Presentation	Presentation	City Clerk
	New City Hall feasibility	Discussion	Administration
	Caltrans Mission Traffic Flow update receive & file	Consent	Public Works
	Wildfire Mitigation update	Consent	Administration
27-Oct	Revenue Measures Committee Member Recruitment	Discussion	City Clerk
10-Nov	Urban Growth Boundary Direction to Staff	Discussion	Planning
24-Nov			
8-Dec	Adopt Urban Growth Boundary Reso	Discussion	Planning
	Adopt Mitigation Fees Reso	Public Hearing	Planning
	City Council Reorganization - Appointment of Mayor pro tem	Discussion	City Clerk
	Approve 2026 City Council Meeting Calendar	Consent	City Clerk
	Revenue Measures Committee Appointment	Discussion	City Clerk
Future Meetings	RFQ Interim Financing WWTP Administration	Discussion	Finance
	Adopt IS-MND for HCA well	Public Hearing	Utilities
	Library Update	Receive & File	Administration
	Los Olivos CSD Sewer Connection Update	Receive & File	Utilities
	Outdoor dining	Discussion	Planning
	Modify City Code Title 9, Chapter 3, 9-3D-3 Water Conservation	Public Hearing	Utilities
	Divestment of Transit responsibility	Discussion	Public Works
	On-Street Parking Restrictions Policy	Discussion	Public Works
	Calpers Debt Reduction Plan	Discussion	City Manager
	Surveillance Camera Policy	Discussion	Administration
	WWTP Finance Solution Directon to Staff	Discussion	Utilities

Council Requested Agenda Items

Target Date	Agenda Item	Agenda	Dept
Annual Reports			
	Agenda Item	**Agenda**	**Dept**
January	Annual Comprehensive Financial Report	Discussion	Finance
January (odd years)	Brown Act, Public Records Act, Levine Act Training	Presentation	City Attorney
January (odd years)	Appointment to Boards, Commissions, Committees	Discussion	City Clerk
January	Fee Schedule Review	Discussion	Finance
January	Investment Policy Annual Review	Discussion	Finance
February (even years)	Budget to Actual	Discussion	Finance
February	Measure A 5-Year Local Program of Projects	Public Hearing	Public Works
February	Mid-Year Budget Adjustments		Finance
February (even years)	Council Budget Goal Setting	Public Workshop	City Manager
March	Housing General Plan Annual Report	Discussion	Planning
March	SB1 RMRA project List	Public Hearing	Public Works
March	Solvang Mesa LLMD Annual Assessment	Public Hearing	Public Works
March	FTA 5311 Grant Agreement	Consent	Public Works
March	TDA (Transit Development Act) Grant Funding	Consent	Public Works
May (even years)	Ordinance 1st Reading & Adoption Conflict of Interest	Public Hearing	City Attorney
May	Human Services Grant Funding Awards	Discussion	Finance
May	AB 2561 Vacancy Report	Public Hearing	Administration
Oct/Jan/April/July	Quarterly Financial Reports	Consent	Finance
Oct/Jan/April/July	Quarterly Marketing Reports	Consent	Parks & Rec
Oct/Jan/April/July	Quarterly Public Records Requests Report	Consent	City Clerk
June	Preliminary Budget	Discussion	Finance
June	Two-Year Financial Plan Development or Supplemental Budget adoption	Discussion	Finance
June	Capital Improvement Program	Discussion	FIN/Public Works
June	Amend Appropriation Limit (GANN)	Public Hearing	Administration
November	Stormwater Management Program Annual Report	Consent	Public Works
December	AB 1600 Report	Discussion	Public Works
December	City Council Reorganization - Appointment of Mayor pro tem	Discussion	City Clerk
December (even years)	City Council Reorganization Council selection of representatives to Committees and Agencies	Discussion	City Clerk

MINUTES
SOLVANG CITY COUNCIL
MONDAY, JUNE 23, 2025

Regular Meeting – 6:30 PM

6:30 PM REGULAR MEETING

CALL TO ORDER

Mayor Brown called the Regular meeting to order at 6:32 p.m. in the City Hall Council Chamber, 1644 Oak Street, Solvang, California.

ROLL CALL

Present: Mayor David Brown, Mayor pro tem Claudia Orona, Councilmembers Mark Infanti, Louise Smith

Absent: Councilmember Elizabeth Orona

Staff: City Manager Randy Murphy, City Attorney Chelsea O'Sullivan, City Clerk Annamarie Porter, Administrative Services Director Wendy Berry, Accounting Supervisor Jason Banta

PLEDGE OF ALLEGIANCE

Accounting Supervisor Banta led in the Pledge of Allegiance.

1. PROCLAMATIONS, COMMENDATIONS AND CEREMONIAL ITEMS - None

2. PRESENTATIONS - None

3. PUBLIC COMMUNICATIONS – NON- AGENDA AND CONSENT ITEMS

Mayor Brown invited public comments.

Brentton Tarrant (via Zoom)
Joanne Clark

There were no other public comments.

4. CITY MANAGER REPORT AND ADVANCE CALENDAR

City Manager Murphy reported CalTrans will have a meeting in the City Hall Council Chamber on August 7 at 5:30 p.m. to discuss the bridge over Alamo Pintado Creek and noted there will be community cleanup on August 16th.

5. GC SECTION 53232.3(d) (aka AB 1234) and GC SECTION 84308 (aka SB 1439) REPORT OUT, COUNCIL COMMENTS, REQUESTS

Councilmember Smith reported meeting with some of the members of the Santa Ynez Valley Citizens Council and the future intent to meet with the owner and walk the Site C property, as well as attending the JPIA seminar in August.

Mayor Brown reported attending a City Leaders meeting on June 13 in Goleta, a Chamber mixer on June 12, and the Visit Santa Ynez Valley Gold Cup Finale on June 12th, and Pride events.

6. CONSENT ITEMS

a. Approve Order of Agenda as Presented

b. Approve City Council Minutes: June 9, 2025

c. Approve Amendment 3 to the agreement with MNS Engineers Inc. for annual implementation, support, and compliance with the City's Phase II Small Municipal Stormwater Separate Storm Sewer System (MS4) permit, for the additional amount of $133,000, for a total contract amount not to exceed $484,950, and to extend the term to June 30, 2026.

d. Approve Amendment 6 to the Agreement with ZWorld GIS LLC for Geographic Information Systems (GIS) services for the amount not to exceed $41,060 for a total contract amount not to exceed $411,560, and to extend the term to June 30, 2026.

e. Approve Amendment 3 to the Agreement with SP Maintenance for City Wide Street sweeping services, for an additional amount of $43,775 FY 25/26; $45,088 FY 26/27; $46,441 FY 27/28,for a total contract amount not to exceed $419,004 and extend the term to June 30, 2028.

f. Approve Amendment No. 5 to the Agreement with Moore & Associates for Transit Management and Marketing Services for an additional amount not to exceed $87,000, for a total contract amount not to exceed $999,758, and to extend the term through June 30, 2026.

g. Approve Amendment No. 1 to the Agreement with Tetra Tech, Inc. for Engineering Services for the Fredensborg Canyon Road Multi-Purpose Trail to extend the term to June 30, 2027, with no change to compensation.

h. Adopt Resolution No. 25-1294 approving the 10-year CIP 2024-25 – 2034-35

i. Adopt Resolution No. 25-1295 Setting and Adopting the Salary Range Schedule for Salaried and/or Non-Represented Employees effective July 1, 2025

j. Adopt the Final FY 25-26 Budget.

k. Approve monthly financial report for April and May 2025.

l. Adopt Resolution No. 25-1296 Granting a contractual performance bonus to the City Manager and Amending the City Manager Employment Contract to, Effective July 1, 2025, Adjust the Annual Salary and Remove the Performance Bonus Provision and make other Clarifying Edits.

m. Approve Administrative Services Manager, Assistant to the City Manager and Community Development Director Job Descriptions.

n. Discussion and possible action to approve Amendment No. 1 to the Agreement with OpenGov for Budgeting and Planning Software for an additional amount of $40,182 for a total contract amount not to exceed $132,665 and to extend the term to June 30, 2026

Motion by Councilmember Smith to approve the Consent Calendar, as presented, seconded by Mayor pro tem Claudia Orona, and carried 4-0. Councilmember Elizabeth Orona absent.

7. PUBLIC HEARINGS

a. Public Hearing to Consider Adoption of Resolution No. 25-1297 Amending the Appropriation Limit for Fiscal Year 2025-26 Pursuant to Article XIII B of the California Constitution.

Administrative Services Director Berry gave a staff report noting this resolution will have to be ratified at the next City Council meeting to abide by Government Code.

Mayor Brown opened the public hearing and invited public comments.

There were no public comments, and the public hearing was closed.

Motion by Councilmember Infanti to adopt Resolution No. 25-1297, seconded by Mayor pro tem Claudia Orona, and carried 4-0. Councilmember Elizabeth Orona absent.

8. <u>DISCUSSION ITEMS</u>:

a. Discussion and possible Action to Approve the Agreement with the City of Goleta to Provide Library Services for the City of Solvang (including Satellite Locations in Los Olivos and Santa Ynez) in the Amount Not to Exceed $284,855 for in FY 25/26 operating costs during the term of July 1, 2025 – June 30, 2026

City Manager Murphy gave a staff report highlighting a $100,000 increase in the contract due to increased costs and the creation of a sustainable reserve.

JoAnne Plummer, Director of Neighborhood Services for the City of Goleta, answered questions from the Council pertaining to library operations, the relationship with The Friends of Solvang Library, why library services are contracted out and justified the contractual increase.

Mayor Brown invited public comments.

There were no public comments.

City Manager Murphy stated the finance staff reviewed the contract and analyzed the library's budget and concluded the increase is legitimate and the finance staff reviewed the materials and validated the increase.

Mayor Brown requested Director Plummer to come back in six months and give an update.

Motion by Councilmember Infanti to approve the Agreement with the City of Goleta to Provide Library Services for the City of Solvang (including Satellite Locations in Los Olivos and Santa Ynez) in the Amount Not to Exceed $284,855 for in FY 25/26 operating costs during the term of July 1, 2025 – June 30, 2026, seconded by Councilmember Smith, and carried 4-0. Councilmember Elizabeth Orona absent.

b. Discussion and possible action to approve the Agreement with SaberDome Corporation dba Lanspeed for Information Technology Managed Services in the amount not to exceed $7,937.72 per month plus any reimbursable expenses and service charges actually incurred and invoiced, for a total contract amount not to exceed $105,252.64 annually for the term of July 1, 2025 – June 30, 2028.

Administrative Services Director Berry gave a staff report.

Mayor Brown invited public comments.

There were no public comments.

Motion by Mayor pro tem Claudia Orona to approve the Agreement with SaberDome Corporation dba Lanspeed for Information Technology Managed Services in the amount not to exceed $7,937.72 per month plus any reimbursable expenses and service charges actually incurred and invoiced, for a total contract amount not to exceed $105,252.64 annually for the term of July 1, 2025 – June 30, 2028, seconded by Councilmember Infanti, and carried 4-0. Councilmember Elizabeth Orona absent.

9. COUNCIL CLOSING COMMENTS – None

10. ADJOURNMENT

The meeting was adjourned at 7:34 p.m.

Respectfully submitted:

_____

Annamarie Porter, CMC, City Clerk

March 1 - June 30 2025 Report of Public Records Requests

Id	Request Text	Opened	Closed	Requester Name	Requester City	State	Zipcode
25-91	Building and permit records for 315 2nd St (on behalf of homeowners).	06/26/2025	06/30/2025	Krystal Navar	Los Angeles	CA	90034
25-90	Hello, Our firm has been hired to work on three projects in the City of Solvang. The addresses are: 451 2nd St, Solvang, CA 93463 1642 Copenhagen Dr, Solvang, CA 93463 1525 Mission Dr, Solvang, CA 93463 We would appreciate having access to the archives plans and Building Permits issued for those projects.	06/23/2025	06/30/2025	Wade Mously	Goleta	CA	93117
25-89	Certificate of Occupancy for 680 Alamo Pintado, Solvang CA suite 202	06/20/2025	06/27/2025	Rita	Santa Ynez	CA	93460
25-88	The KPMG National Unclaimed Property Practice is requesting the outstanding check report to assist our clients with asset recovery. We will use the information to identify property that belongs to our clients based on the payee's name and address. Then, we will let the clients know about the outstanding item and help to reunite them with their property if it is determined that it does belong to them. We would like to request a copy of the listing in electronic format for items over $500 and over 3 months old. If possible, please limit the listing to businesses only. If the period needs to be exact, please send it for the period of 1/1/2000-03/31/2025. Please provide the payee name/amount/check date/check numbers. If available, please also provide the address. We appreciate your assistance with this process.	06/20/2025	06/23/2025	Catherine Ford			

25-87	Please consider this a formal request for copies of documents related to the above-referenced project. Pursuant to the California Public Records Act, Government Code Section 7920.00 et seq., we are requesting the following documents: 1. A copy of the bid results, including each bidder's name, license number, and bid amount. 2. A copy of each bidder's subcontractor list submitted at the time of the bid, even if the contractor left it blank. 3. The physical address of the project. If there are multiple locations, please list all locations. 4. The estimated start/completion dates. Please send the requested information directly to our office at juan@local220.us. If you have any questions, please contact me at (661) 751-1143. I look forward to your prompt response and appreciate your attention to this matter. Sincerely, Juan Cardenas Business Representative LiUNA Local 220 6800 District Blvd Bakersfield, CA 93313 Ph: 661-322-3460 Cell: 661-751-1143	06/17/2025	06/17/2025	Juan Cardenas	Bakersfield	CA	93313

25-86	SmartProcure is submitting a public records request to the City of Solvang for any and all purchasing records from 3/6/2025 to current. The request is limited to readily available records without physically copying, scanning, or printing paper documents. Any editable electronic document is acceptable. The specific information requested from your record-keeping system is: 1. Purchase order number. If purchase orders are not used a comparable substitute is acceptable, i.e., invoice, encumbrance, or check number 2. Purchase date 3. Line item details (Detailed description of the purchase) 4. Line item quantity 5. Line item price 6. Vendor ID number, name, address, contact person and their email address If you would like to let me know what type of financial software you use, I may have report samples that help to determine how, or if, you are able to respond. As an added security and privacy measure, there will be a unique upload link for any new requests moving forward, including this one. We appreciate your assistance towards this request. You may also attach the information to this email. https://upload.smartprocure.com/?id=c2RqPWEyYlZQMDAwMDAwWVVnNVlBRyZzdD1DQSZvcmc9Q2l0eU9mU29sdmFuZyZvcmdpZD01NTQ2	06/11/2025	06/11/2025	Lisa Chatar	DEERFIELD BEACH	FL	33442

25-85	Hello, I am formally requesting access to and copies of all public records related to current or recent construction projects at the following addresses in Solvang, California: 1883 Laurel Avenue 1879 Laurel Avenue 1875 Laurel Avenue My request is comprehensive and includes all types of permitting and associated documentation from the City of Solvang for these properties. This includes, but is not limited to: Building Permits: Applications, approved plans, inspection reports, certificates of occupancy, structural calculations, energy efficiency documentation. Planning/Zoning Permits: Conditional Use Permits (CUPs), Design Review applications and approvals, Environmental Review documents (such as CEQA filings, mitigated negative declarations, etc.), variances, lot line adjustments, any land use entitlements. Grading Permits: Applications, approved grading plans, erosion control plans, associated reports (e.g., soils reports). Encroachment Permits: For any work within the public right-of-way. Utility Permits: Permits related to water, sewer, and storm drain connections or modifications. All associated reports, studies, and correspondence: This includes, but is not limited to, geotechnical reports, architectural drawings, engineering studies, correspondence between city departments and the property owners/developers, and any records pertaining to code enforcement complaints or actions related to these construction projects. Please provide these records in an electronic format if available. Thank you for your help!	06/10/2025	06/12/2025	Andrew L Morgan	Solvang	CA	93463
25-84	I would like to request any available information about who currently owns the properties located at 425 and 435 1st Street in Solvang, and any contact information that can be disclosed, in the interest of reclaiming and preserving historical artifacts from the damaged property.	06/09/2025	06/10/2025	Ashley Clark	Santa Barbara	CA	93105
25-83	Please let me know if you have any record blueprints for the following addresses: 526 Aebeltoft Wy, Solvang (APN: 137-640-012) 448 Alisal Rd, Solvang (APN: 139-240-063)	06/06/2025	06/09/2025	Misael Contreras	Goleta	CA	93117

25-82	I had requested to see if the Building Dept. had original plans to the existing buildings at 425 & 435 1st Street, the request came back stating "no original plans for the existing buildings" but there are more current plans for Tenant Improvements (Request 25-71). I realize to obtain copies I would need the original architect who prepared them would need to O.K. to release them for copying. I would like to pursue this if possible, I do not live in California so It would be very difficult to walk in a view them. I hoping to see any structural information (If any) is within those Tenant Improvement drawings. I'm not sure if you'd be able to tell me that prior to sending out the request to the Tenant Improvement Architect/Engineer. Any help would be appreciated.	06/05/2025	06/09/2025	Jerry Randall	Coeur d'Alene	ID	83814
25-81	I am requesting a copy of the City Memorandum regarding City Council vacancy. for years 2016, 2018, 2020 and 2022.	06/05/2025	06/11/2025	DENISE EL AMIN	SOLVANG	CA	93463
25-80	I am requesting copies of all of the applicants applying for the 2022 Vacant City council seat. I am requesting all of the documents given to the City by every applicant who applied for this position. I am requesting copies of the completed applications and all of the required documents that the City of Solvang received for each applicant that applied for this 2022 Vacant City Council seat.	06/05/2025	06/11/2025	DENISE EL AMIN	SOLVANG	CA	93463
25-79	I am requesting a copy of the instruction from the city regarding applying for the vacant City Council seat in December 2022.... I would like to have a copy of the letter that was posted to the City of Solvang website regarding, the application requirements to apply for this position. Please send copies of the legal application for applying for this City council position, for the years 2016, 2018, 2020 and 2022.	06/05/2025	06/11/2025	DENISE EL AMIN	SOLVANG	CA	93463
25-78	I am requesting the names and dates of the last four Solvang City council Appointments and the dates. Names for the years 2016, 2018, 2020 and 2022.....	06/05/2025	06/11/2025	DENISE EL AMIN	SOLVANG	CA	93463
25-77	I am requesting a copy of the notification of vacant City Council seat... Dated: December 12, 2022	06/05/2025	06/11/2025	DENISE EL AMIN	SOLVANG	CA	93463

March 1 - June 30 2025 Report of Public Records Requests

25-76	My name is Luke Ranawake and I am a student at Yale conducting research on residential solar installations in California. I am reaching out to request records on the permitting fees in 2017 pertaining to residential photovoltaic installations. Most municipalities store this information in a fee schedule. If there is no specific 2017 fee schedule for solar permits, could you please either 1) provide an estimate of what the fees would have been for a 10 kW system, or 2) send over some records of invoices from past permits that detail the fees and permit details. Thank you for your help, Luke	06/04/2025	06/13/2025	Luke Ranawke			
25-75	Hello, Have any building permits been applied for or issued for: Sansum Clinic Medical Office Building 1925 Windmill Ln. If so, who is the general contractor listed? Thanks!	06/04/2025	06/05/2025	Joanna Bavilacqua	Joliet	IL	60431
25-74	May we please have a copy of the fully-executed contract Amendment that was completed on May 13, 2025, 8:33 am per DocuSign? The link in that email has expired. The subject line is: Completed: Complete with Docusign: Cannon Corporation contract amendments. I have no other identifying information other than Annamarie Porter's name at the bottom of the notification. Thank you.	06/03/2025	06/03/2025	Sandra Hodge	San Luis Obispo	CA	93401
25-73	Looking for all permits on file with the city. 221 Willow Drive. Installed around 1.24.22 by Wighton's Heating and A/C. According to Wighton's, they always pull permits.	06/02/2025	06/09/2025	Nancy Hussey	Solvang	CA	93463
25-72	Please provide a copy of (or link to) the Solvang Downtown Parking Study that was discussed at the Council Meeting on June 28, 2021	06/01/2025	06/09/2025	Henry Haugse	Solvang	CA	93463
25-71	I am looking for any existing "original" building plans for the following addresses: 425 1st Street & 435 1st street The property has burned down as you know, I would like to know if there is any building information the Building Dept. might have in archives or on microfiche.	05/27/2025	06/05/2025	Jerry Randall	Coeur d'Alene	ID	83814

25-70	I am reaching out to request access to public records regarding all short-term rental/vacation rental properties in Solvang that are in an active, renewed, or pending status. Specifically, we are looking to identify the physical address records for any short-term rental (STR) properties in the area from over the past 2 years (2024-2025). If possible, we would like to request the information be provided in excel or csv format, however if an alternative format is all that exists then please provide what is available. If any records are exempt from disclosure under the applicable public records law, we ask that you please redact any exempt portions and provide the rest. Additionally, would you also please advise if the records may be maintained by another department, municipality, or office. Thank you for your time and assistance. We look forward to your response and are happy to clarify this request further, if needed. Have a great day!	05/27/2025	05/28/2025	Victor Alan	Irvine	CA	92612

25-69	Pursuant to the California Public Records Act, Cal. Gov. Code §§ 6250 et seq., I write to request a copy of all full time employees' first, middle (if available) and last names, including their job title/position, their campus/office location, date of hire and email address. Please provide this information in an electronic format such as Excel or .csv, pursuant to Cal. Gov. Code § 6253.9. We are compiling a population tally of all employees in the state separated by individual roles and responsibilities. This information is subject to disclosure under the Public Records Act. See, e.g., San Diego County Employees Retirement Assn. v. Superior Court, 196 Cal. App. 4th 1228, 1236-1237 (Cal. App. 4th Dist. 2011); Internet. Federation of Prof. & Technical Engineers, Local 21, AFL-CIO v. Superior Court, 128 Cal. App. 4th 586, 593 (Cal. App. 1st Dist. 2005). However, if you do not maintain these public records, please let me know which custodian does keep the information, including their address. If you choose to deny this request, please provide a written explanation for the denial including a reference to the specific statutory exemption upon which you rely. If you contend that any portion of the material is exempt from disclosure, redact the exempted portions and provide copies of the nonexempt information. I agree to pay all reasonable copying and postage fees. Please provide a receipt indicating the charges for each document. As provided in the Public Records Act, Sec. 6253(c), please send your response within ten business days, including up to fourteen days as provided by Government Code section	05/22/2025	05/29/2025	Andrew Carlton			
25-68	Hi, hi could you please let me know if 473 Atterdag units 1 and 2 or A&B are permitted by the City of Solvang to be used as rental apartments ? Thank You-	05/23/2025	05/28/2025	Aiko Laney	Santa Barbara	CA	93103
25-67	Certificate of ocupancy 473 atterddag solvang	05/22/2025	05/29/2025	Scott Falter	Goleta	CA	93117
25-66	Hello, I am working on behalf of Southern California Gas Company to obtain a copy of the certificate of liability insurance for the contractor Lopez Plumbing Systems Inc. I am wondering if the City of Solvang might have anything on hand? Thank you.	05/21/2025	05/27/2025	Jakob Wrobel	Minneapolis	MN	55427

25-65	Hi, Can you please send me any permits, plans and reports you have on file for 246 3rd Street, Solvang? Thank you.	05/21/2025	05/27/2025	LaToya Ramos	Los Olivos	CA	93441
25-64	May 21, 2025 **Please reference ID number 20-2400462760 City of Solvang 1644 Oak Street Solvang, CA 93463-3737 Project: Solvang Mesa LLMD Landscape Maintenance Services Iqc Various Locations, Solvang, CA Dear Sir/Madam: The Center for Contract Compliance is a nonprofit Labor-Management Committee that specializes in monitoring public works projects. Please consider this a formal request for copies of documents on the above-referenced project pursuant to the California Public Records Act, Government Code Section 7920, et. seq. We are requesting: Name and license number of the awarded contractor and their bid package/proposal. Three lowest bidders and their Bid Amounts. DIR Project ID of the project. Project Location(s) / Work Schedule. Project Manager Contact. Please fax the requested information directly to our office at (626) 444-8173 or e-mail EstefaniaO@socalccc.org. Should you have any questions, please contact me at (626) 444-8355. I look forward to your prompt response. Thank you for your time and courtesy! Sincerely, Estefania Ortiz Investigative Assistant Investigator: Jorge Garcia Email: JorgeG@socalccc.org CCC S/333M	05/21/2025	06/02/2025	Estefania Ortiz	Covina	CA	91724

25-63	May 21, 2025 **Please reference ID number 20-2300155491 City of Solvang 1644 Oak Street Solvang, CA 93463-3737 Project: Item: City Tree Services - Bid Date: 05/05/2023 Solvang CA Dear Sir/Madam: The Center for Contract Compliance is a nonprofit Labor-Management Committee that specializes in monitoring public works projects. Please consider this a formal request for copies of documents on the above-referenced project pursuant to the California Public Records Act, Government Code Section 7920, et. seq. We are requesting: Name and license number of the awarded contractor and their bid package/proposal. Three lowest bidders and their Bid Amounts. DIR Project ID of the project. Project Location(s) / Work Schedule. Project Manager Contact. Please fax the requested information directly to our office at (626) 444-8173 or e-mail EstefaniaO@socalccc.org. Should you have any questions, please contact me at (626) 444-8355. I look forward to your prompt response. Thank you for your time and courtesy! Sincerely, Estefania Ortiz Investigative Assistant Investigator: Chris Olvera Email: ChrisO@socalccc.org CCC S/333M	05/21/2025	06/02/2025	Estefania Ortiz	Covina	CA	91724
25-62	Request for a Certificate of Occupancy. Address; 473 Atterdag Rd. Apartment #B (or Unit #1) Solvang, Ca 93463	05/20/2025	05/27/2025	Aiko Laney	Santa Barbara	CA	93103
25-61	Hello, I'm requesting current agreements you have with different consultants for On Call Building Department Services such as plan check, inspections and permit technician services for a proposal. If no current agreements available, can I please request expired contracts from the last 5 years? Thanks in advance!	05/19/2025	05/19/2025	Armalen Geurkink			

March 1 - June 30 2025 Report of Public Records Requests

25-60	To Whom It May Concern: Our law firm represents the following individual in her immigration matters: First Name: Last Name: Date of Birth: Sex: We are requesting certified copies of all the incidents/arrests under our client's name. Please provide payment information for any fees associated with this request. If requested documents are not available, immigration requires a certified and/or notarized letter explaining why these records are no longer available. Please reach out to us should you need any additional information to process this request. Our phone number is (954) 589-1180 and we can be reached via email at records@fl-ilc.com	05/15/2025	05/16/2025	Saman Movassaghi	miramar	FL	33027
25-59	Hi there, Good morning. Hoping someone from your department can help with a quick question pertaining to the planned 11-room boutique hotel at 1420 Mission Dr. I see it listed as project number LUP 180114 on APN 137-590-010, if that helps. I understand the project has ben approved and I'm just looking to find out whether construction is underway. Would you kindly tell me, has a building permit been issued yet? And if so, what general contractor is listed on it? Alternatively, might you have any contact information for the applicant, Jake Rodriguez of 1420 Mission Drive LLC? Thanks so much for any insight you're able to offer. I really appreciate it!	05/13/2025	05/14/2025	Kirsten Ingvoldstad	Chicago	IL	60606
25-58	Request any and all planning applications for 425 first street last 3 years	05/09/2025	05/13/2025	Rod Simmons	Solvang	CA	93463
25-57	Hi, Can you please send me ant plans, permits or reports you have for 690 Valley Oak Rd, Solvang? And can you please send me the annual property tax fee? Thank you	05/06/2025	05/08/2025	LaToya Ramos	Los Olivos	CA	93441

25-56	These requests pertain to The Village Collection subdivision in Solvang and its HOA and corresponding documents, especially in connection with our CC&Rs, which we and our lawyers are in the process of restating. This is important because we need to understand what our HOA's obligations are in relation to the City of Solvang. Our CC&Rs (dating from 1992) state: "In the event the City of Solvang accepts the offer of dedication of Lot 72 of Tract 30,045, the City has reserved the right to establish a Landscape Maintenance District for the purpose of maintaining Lot 72. Each of the Residence Lots (1-68) in the Development may be included within any such district." Lot 72 was deeded to the City, but we don't know whether such Landscape Maintenance District was established. If so, we would like a copy of the document establishing it. Our CC&Rs refer to a "Mitigation Monitoring and Reporting Plan" (no date given but probably from 1991 or 1992; authorship unstated but probably from the Board of Architectural Review or Planning Commission) in connection with the establishment of our subdivision. Please provide a copy. Our CC&Rs refer to a Development Plan for our subdivision approved by the Planning Commission on August 5, 1991. Please provide a copy. Our CC&Rs refer to a Landscape Plan (undated but probably 1991 or 1992, probably from the BAR or Planning Commission) for our subdivision, which we don't have. Please provide a copy.	05/02/2025	05/08/2025	Arthur George	Solvang	CA	93463
25-55	Hi, Can you please send me any permits, plans and reports for 246 3rd Street, Solvang? Thank you	04/24/2025	04/25/2025	LaToya Ramos	Los Olivos	CA	93441
25-54	I am looking for the site and floor plan for 281 5th st. Solvang, CA. please. I will be doing a small patio cover at one end of the building and need the site especially for my submittal. Thank you so much. Annette Fair	04/24/2025	05/05/2025	Annette D Moulinie-Fair	Santa Maria	CA	93455
25-53	Private road maintenance agreement of 855 Adobe Creek Road, Solvang, CA 92463. APN: 137-660-021	04/24/2025	05/05/2025	Paul Chung	Calabasas	CA	91302

March 1 - June 30 2025 Report of Public Records Requests

25-52	Id like the history for the property located at 648 Hillside Dr. Sauer Family Trust is the owner, I represent the trust in selling the property. permit history and any other information available please. Thank you. Danielle Crystal	04/22/2025	04/23/2025	Danielle Crystal	Santa Ynez	CA	93460
25-51	Hi, I am looking for any permits or building plans you have for 1575 oak street. Any information you have is helpful. Thank you.	04/16/2025	04/16/2025	Blake Herman	Santa Barbara	CA	93108
25-50	“Information pertaining to 700 Mesa Drive Solvang CA 93463. Specifically property records relating to current drywell and septic system on property. Am looking for design/specs of drywell and any future expansion with approval.”	04/16/2025	04/24/2025	Fred Van Leuven	Solvang	CA	93463
25-49	May name is Pauline Elizabeth Cook. I was married to Loren Thomas Harper on April 10, 1965. I need a copy of our marriage certificate. We were married (I think) in Santa Ynez. Thank you for your assistance. Pauline Cook	04/16/2025	04/16/2025	Pauline Elizabeth Cook Married last name Harper	Guadalupe	CA	93434
25-48	Looking for a record or my marriage in order to get a real ID.	04/12/2025	04/14/2025	Linda Wiezorek	Henderson	NV	89052
25-47	I represent the client who wants to upgrade an existing drive up teller with a drive up ATM and we need to determine the existing conditions of the building. We are trying to locate the original permit drawings. Here is the information: Project Address: US Bank, 2010 Mission Drive Solvang CA 93463 Project APN: 139-540-049 Thank you very much. Spirit	04/10/2025	04/16/2025	Spirit Diener	Santa Cruz	CA	95060
25-46	May I get exhbit a, the request for proposals of the Santa Ynez Valley Transit Memoradum of Understanding from 1993? That was missing in my original request.	04/09/2025	04/10/2025	John Christian			
25-45	Finaled building permit for Hotel Corque renovation in 2007	04/08/2025	04/08/2025	Scott Gold	Solvang	CA	93463

25-44	I'm working on a story about traffic, particularly speed-related incidents, in Solvang. Has the city, it's PD/Sheriff's Office done any traffic studies in recent years? What are the results of those studies? Have speed limits been changed on city streets in recent years? What traffic calming measures are being taken on Chalk Hill, Viborg, Fredensborg, etc. How have the traffic calming measures placed on Skytt Mesa in 2018 impacted traffic there? Please send traffic study results performed in the past 10 years. Thanks	04/04/2025	04/09/2025	Jennifer Best	Santa Maria	CA	93454
25-43	send Me ownership information for 1990 high meadow road Solvang California and 2000 high meadow road Solvang California?	04/04/2025	04/04/2025	Nick Demarinis	OXNARD	CA	93505
25-42	The request was not correct. I am looking for the Joint Powers Agreement between Bullerton, Solvang and Santa Barbara County for the Operations of Santa Ynez Valley Transit. This was entered into around the 1990-1997 time frame.	04/02/2025	04/04/2025	John Christian			
25-41	Looking for a date a roof was put on in the Alisal Ranch... 960 Rancho Alisal Drive & 3125 Bowl Place... also in the Alisal Ranch.	04/01/2025	04/01/2025	Susan Beckmann	Solvang	CA	93463
25-40	Agreement with Santa barbara county, city of bulleton and city of Solvang for Santa Ynez Valley Transit	03/30/2025	04/02/2025	John Christian			
25-39	I am reaching out to request a copy of the proposal submitted by the firm awarded the contract for Parks and Recreation Master Plan. We understand that this is public record and would like the opportunity to better understand the scope, approach, and evaluation criteria used in the selection process.	03/26/2025	03/26/2025	Chloe Morton	Walnut Creek	CA	94596
25-38	Hi! Can you please send me any plans, permits and reports you have for 2031 Dermanak, Solvang? Thank you.	03/25/2025	03/25/2025	LaToya Ramos	Los Olivos	CA	93441
25-37	Hello, We would like TOT (transient occupancy tax) information for some of the local hotels monthly, how would I go about getting this information? Thank you, Christy Deeds General Manager Wine Valley Inn & Cottages Solvang	03/25/2025	03/25/2025	Christy Deeds	Solvang	CA	93463

March 1 - June 30 2025 Report of Public Records Requests

25-36	Hi, Can you please send me any reports, permits and plans you have on file for 690 Valley Oak Road, Solvang? Thank you	03/24/2025	03/26/2025	LaToya Ramos	Los Olivos	CA	93441
25-35	Good morning, This is a request from Caltrans to all cities and counties asking for verification of Ownership and Mileage of their roadway networks that are in our Statewide Linear Referencing System. This request is part of our effort in having city and county-maintained roads correctly reported on State and FHWA maintained mileage system for safety analysis and funding allocation purposes. We would appreciate if you shared any shapefiles or other visual resources that clearly show which streets fall under the city's jurisdiction?. Should you have questions, please contact me at HPMS@dot.ca.gov Thank you for your attention to this matter. We appreciate your cooperation. Best regards, HPMS Team California Department of Transportation	03/19/2025	03/21/2025	Venkata Pillarisetty	sacramento	CA	95814
25-34	We are requesting all records associated with the following undeveloped parcels in the Alisal Ranch area: APN's 137-410-002/010/012/020/022/036/037 We are trying to determine if there are any development conditions or restrictions other than typical setbacks (e.g., parcel line, creek, environmentally sensitive habitat, trees) or topographical conditions (e.g., 20% slopes or unstable soils). Thank you!	03/17/2025	03/26/2025	Angela Janes	Los Olivos	CA	93441
25-33	Please provide all plans and files associated with 296 First Street and 293 Alisal Road, APN's 139-234-001/002	03/14/2025	03/24/2025	Angela Janes	Los Olivos	CA	93441

25-32	SmartProcure is submitting a public records request to the City of Solvang for any and all purchasing records from 12/9/2024 to current. The request is limited to readily available records without physically copying, scanning, or printing paper documents. Any editable electronic document is acceptable. The specific information requested from your record-keeping system is: 1. Purchase order number. If purchase orders are not used a comparable substitute is acceptable, i.e., invoice, encumbrance, or check number 2. Purchase date 3. Line item details (Detailed description of the purchase) 4. Line item quantity 5. Line item price 6. Vendor ID number, name, address, contact person and their email address If you would like to let me know what type of financial software you use, I may have report samples that help to determine how, or if, you are able to respond. As an added security and privacy measure, there will be a unique upload link for any new requests moving forward, including this one. We appreciate your assistance towards this request. You may also attach the information to this email. https://upload.smartprocure.com/?id=c2RqPWEyYlZQMDAwMDAwUHdRS1lBMCZzdD1DQSZvcmc9Q2l0eU9mU29sdmFuZyZvaWQ9NTU0Ng%3D%3D	03/10/2025	03/10/2025	Lisa Chatar	DEERFIELD BEACH	FL	33442
25-31	I am requesting any building permit records, including certificate of occupancy, new construction, addition/alteration, plumbing, mechanical, electrical, USTs, and ASTs for 139-530-001 and 139-530-002. Two vacant parcels along the west side of Alamo Pintado Road, north of Old Mission Drive.	03/05/2025	03/06/2025	Paul Robinson	Murrieta	CA	92562

City of Solvang

Check Report

By Check Number

Date Range: 06/01/2025 - 06/30/2025

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK-AP Bank Code						
11498	Bluebeam, Inc.	06/02/2025	EFT	0.00	1,365.00	7382
10076	Cannon Associates	06/02/2025	EFT	0.00	6,128.98	7383
11279	Carollo Engineers, Inc	06/02/2025	EFT	0.00	12,327.92	7384
10467	DellaValle Embroidery	06/02/2025	EFT	0.00	55.58	7385
91301	Elisa Monroy	06/02/2025	EFT	0.00	19.98	7386
10797	Engel & Gray	06/02/2025	EFT	0.00	2,942.18	7387
11210	Hach Company	06/02/2025	EFT	0.00	770.14	7388
10723	Procare Janitorial Supply, Inc	06/02/2025	EFT	0.00	1,468.79	7389
10142	SP Maintenance Services, Inc	06/02/2025	EFT	0.00	3,541.67	7390
10902	Staples Advantage	06/02/2025	EFT	0.00	262.08	7391
10337	Visit the Santa Ynez Valley	06/02/2025	EFT	0.00	9,000.00	7392
11008	Carrs Boots & Western Wear	06/09/2025	EFT	0.00	175.00	7393
10981	D.L. Electric Inc.	06/09/2025	EFT	0.00	294.00	7394
10797	Engel & Gray	06/09/2025	EFT	0.00	1,467.36	7395
10214	USA Blue Book	06/09/2025	EFT	0.00	1,013.53	7396
11068	MNS Engineers, Inc.	06/09/2025	EFT	0.00	7,534.25	7397
11147	Government Revenue Solutions Holdings, LLC d	06/09/2025	EFT	0.00	239.94	7398
10034	ReadyRefresh by Nestle	06/09/2025	EFT	0.00	138.11	7399
10975	O'Reilly Automotive Stores, Inc. dba O'Reilly Aut	06/09/2025	EFT	0.00	39.86	7400
10723	Procare Janitorial Supply, Inc	06/09/2025	EFT	0.00	2,336.72	7401
10142	SP Maintenance Services, Inc	06/09/2025	EFT	0.00	3,541.67	7402
11671	The Guardian Team LLC	06/09/2025	EFT	0.00	402.50	7403
11182	Underground Service Alert of Southern Californi	06/09/2025	EFT	0.00	119.70	7404
10686	ZWorld GIS	06/09/2025	EFT	0.00	2,083.33	7405
91281	Candice Libera	06/16/2025	EFT	0.00	444.18	7406
10797	Engel & Gray	06/16/2025	EFT	0.00	4,230.16	7407
11068	MNS Engineers, Inc.	06/16/2025	EFT	0.00	1,864.20	7408
10885	Moore & Associates, Inc.	06/16/2025	EFT	0.00	13,437.04	7409
10949	Municipal Maintenance Equipment Inc.	06/16/2025	EFT	0.00	159.59	7410
10723	Procare Janitorial Supply, Inc	06/16/2025	EFT	0.00	1,864.64	7411
11544	Richards, Watson & Gershon A Professional Cor	06/16/2025	EFT	0.00	60,112.44	7412
11381	Roadrunner Management Services, Inc.	06/16/2025	EFT	0.00	78,922.02	7413
11671	The Guardian Team LLC	06/16/2025	EFT	0.00	483.00	7414
10613	Advantage Group, The	06/23/2025	EFT	0.00	194.00	7415
10076	Cannon Associates	06/23/2025	EFT	0.00	294.50	7416
11279	Carollo Engineers, Inc	06/23/2025	EFT	0.00	56,120.29	7417
10195	City of Lompoc Finance Dept.	06/23/2025	EFT	0.00	1,666.66	7418
10981	D.L. Electric Inc.	06/23/2025	EFT	0.00	7,791.00	7419
10057	FGL Environmental, Inc.	06/23/2025	EFT	0.00	2,426.00	7420
10276	Infosend, Inc	06/23/2025	EFT	0.00	1,324.10	7421
10034	ReadyRefresh by Nestle	06/23/2025	EFT	0.00	212.62	7422
10034	ReadyRefresh by Nestle	06/23/2025	EFT	0.00	305.14	7423
10975	O'Reilly Automotive Stores, Inc. dba O'Reilly Aut	06/23/2025	EFT	0.00	86.64	7424
11539	RingCentral, Inc.	06/23/2025	EFT	0.00	1,112.62	7425
10281	Satcom Global FZE	06/23/2025	EFT	0.00	57.21	7426
10902	Staples Advantage	06/23/2025	EFT	0.00	151.18	7427
10337	Visit the Santa Ynez Valley	06/23/2025	EFT	0.00	45,758.16	7428
11543	AutoSys, LLC	06/30/2025	EFT	0.00	410.00	7429
91281	Candice Libera	06/30/2025	EFT	0.00	294.82	7430
10076	Cannon Associates	06/30/2025	EFT	0.00	45,925.15	7431
10467	DellaValle Embroidery	06/30/2025	EFT	0.00	263.00	7432
10797	Engel & Gray	06/30/2025	EFT	0.00	1,524.27	7433
11536	Kiza, Inc.	06/30/2025	EFT	0.00	400.00	7434
10034	ReadyRefresh by Nestle	06/30/2025	EFT	0.00	1.74	7435

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
10975	O'Reilly Automotive Stores, Inc. dba O'Reilly Aut	06/30/2025	EFT	0.00	196.25	7436
10790	Polydyne, Inc	06/30/2025	EFT	0.00	1,772.81	7437
10723	Procare Janitorial Supply, Inc	06/30/2025	EFT	0.00	3,545.32	7438
10902	Staples Advantage	06/30/2025	EFT	0.00	122.51	7439
11671	The Guardian Team LLC	06/30/2025	EFT	0.00	563.50	7440
11703	AM Signal, LLC	06/02/2025	Regular	0.00	4,628.31	47264
11749	Arris Studio Architects	06/02/2025	Regular	0.00	2,842.40	47265
10112	Cal-Coast Machinery Inc.	06/02/2025	Regular	0.00	1,480.33	47266
11587	Column Software PBC	06/02/2025	Regular	0.00	84.10	47267
10538	D & H Water Systems, Inc	06/02/2025	Regular	0.00	288.54	47268
11617	Extreme Clean Janitorial	06/02/2025	Regular	0.00	9,126.00	47269
11365	Frontier Communications	06/02/2025	Regular	0.00	88.61	47270
10211	Grainger	06/02/2025	Regular	0.00	14.36	47271
11441	Lanspeed	06/02/2025	Regular	0.00	1,000.00	47272
11424	Maria Shafer	06/02/2025	Regular	0.00	170.00	47273
10680	Meridian Consultants LLC	06/02/2025	Regular	0.00	1,285.50	47274
11128	Nielsen Building Material	06/02/2025	Regular	0.00	30.63	47275
11603	Nviro	06/02/2025	Regular	0.00	508.75	47276
10707	Oilfield Environmental & Compliance, Inc	06/02/2025	Regular	0.00	975.00	47277
10920	Pacific Central Coast Health Centers	06/02/2025	Regular	0.00	225.00	47278
10682	Regional Government Services Authority	06/02/2025	Regular	0.00	120.00	47279
11448	SiteOne Landscaping Supply, LLC	06/02/2025	Regular	0.00	2,302.72	47280
52259	Susana Tellez	06/02/2025	Regular	0.00	200.00	47281
52205	SYHS Boy's Water Polo	06/02/2025	Regular	0.00	200.00	47282
11672	Traffic Management, Inc.	06/02/2025	Regular	0.00	1,008.67	47283
11562	Valley Shield Termite and Pest Solutions, Inc.	06/02/2025	Regular	0.00	500.00	47284
10872	Verizon Wireless Services, LLC	06/02/2025	Regular	0.00	1,349.93	47285
11666	Brandon James Roberts	06/09/2025	Regular	0.00	532.00	47286
10553	BrightView Landscape Services	06/09/2025	Regular	0.00	15,710.00	47287
11687	California Consulting, Inc.	06/09/2025	Regular	0.00	4,600.00	47288
10345	California Nature Art Museum	06/09/2025	Regular	0.00	350.00	47289
10759	California Rural Water Assoc.	06/09/2025	Regular	0.00	1,432.00	47290
91281	Candice Libera	06/09/2025	Regular	0.00	125.00	47291
11722	Carl Warren & Company LLC	06/09/2025	Regular	0.00	7,486.07	47292
52371	County of Santa Barbara CSD, HCD	06/09/2025	Regular	0.00	500.00	47293
11617	Extreme Clean Janitorial	06/09/2025	Regular	0.00	8,762.00	47294
11145	Ferguson Enterprises, Inc	06/09/2025	Regular	0.00	502.42	47295
11365	Frontier Communications	06/09/2025	Regular	0.00	105.08	47296
10725	Hankering Corporation, The	06/09/2025	Regular	0.00	342.39	47297
11181	Hill Brothers Chemical Co.	06/09/2025	Regular	0.00	1,028.32	47298
10083	Inner Nature	06/09/2025	Regular	0.00	3,675.00	47299
11486	Islay Events	06/09/2025	Regular	0.00	3,362.00	47300
10180	Jim's Service Center	06/09/2025	Regular	0.00	4,428.70	47301
11526	JV Outdoor Power Equipment	06/09/2025	Regular	0.00	751.94	47302
11441	Lanspeed	06/09/2025	Regular	0.00	5,754.96	47303
11424	Maria Shafer	06/09/2025	Regular	0.00	255.00	47304
52335	Maribel Gonzalez	06/09/2025	Regular	0.00	855.50	47305
11748	Melton Design Group, Inc.	06/09/2025	Regular	0.00	5,374.25	47306
11639	Reece Plumbing	06/09/2025	Regular	0.00	161.66	47307
11128	Nielsen Building Material	06/09/2025	Regular	0.00	118.58	47308
11167	Santa Ynez Valley Hardware	06/09/2025	Regular	0.00	2,808.49	47309
11294	Scott Reardon's Locksmith Service	06/09/2025	Regular	0.00	12.94	47310
11448	SiteOne Landscaping Supply, LLC	06/09/2025	Regular	0.00	494.75	47311
11613	Solvang Hygge Huset LLC	06/09/2025	Regular	0.00	10,069.24	47312
11658	Tom Jones & Associates, Inc.	06/09/2025	Regular	0.00	11,410.00	47313
11747	Trick Industries, Inc	06/09/2025	Regular	0.00	11,002.19	47314
10992	Tyler Technologies, Inc	06/09/2025	Regular	0.00	40.00	47315
11562	Valley Shield Termite and Pest Solutions, Inc.	06/09/2025	Regular	0.00	234.00	47316
10497	West Coast Arborists, Inc	06/09/2025	Regular	0.00	23,441.25	47317
11532	Clearsource Financial Consulting	06/16/2025	Regular	0.00	23,680.00	47318
11587	Column Software PBC	06/16/2025	Regular	0.00	158.55	47319

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
11617	Extreme Clean Janitorial	06/16/2025	Regular	0.00	8,131.00	47320
11697	Five Star Bank	06/16/2025	Regular	0.00	7,110.39	47321
11677	Granicus LLC	06/16/2025	Regular	0.00	24,927.53	47322
10725	Hankering Corporation, The	06/16/2025	Regular	0.00	73.06	47323
11652	Islett Agency Inc.	06/16/2025	Regular	0.00	4,000.00	47324
52349	Jessica Kahn	06/16/2025	Regular	0.00	100.00	47325
11526	JV Outdoor Power Equipment	06/16/2025	Regular	0.00	86.50	47326
52373	Maria Mota	06/16/2025	Regular	0.00	677.00	47327
11128	Nielsen Building Material	06/16/2025	Regular	0.00	686.13	47328
11603	Nviro	06/16/2025	Regular	0.00	185.00	47329
11136	Petty Cash	06/16/2025	Regular	0.00	100.00	47330
10203	Rincon Consultants, Inc	06/16/2025	Regular	0.00	3,491.00	47331
52372	Robert Tolan	06/16/2025	Regular	0.00	75.00	47332
10033	S.Y.R.W.C.D. ID #1	06/16/2025	Regular	0.00	4,620.39	47333
10033	S.Y.R.W.C.D. ID #1	06/16/2025	Regular	0.00	1,767.62	47334
10033	S.Y.R.W.C.D. ID #1	06/16/2025	Regular	0.00	2,821.87	47335
10004	Santa Barbara Co Sheriff Dept	06/16/2025	Regular	0.00	255,411.00	47336
10909	Santa Maria Famcon Pipe & Supply	06/16/2025	Regular	0.00	190.76	47337
51809	SANTOS, ANDREA	06/16/2025	Regular	0.00	100.00	47338
11448	SiteOne Landscaping Supply, LLC	06/16/2025	Regular	0.00	108.76	47339
11735	SLO Powerhouse, Inc.	06/16/2025	Regular	0.00	20,308.93	47340
11487	Stiletto Events	06/16/2025	Regular	0.00	2,000.00	47341
11377	Tractor Supply Credit Plan	06/16/2025	Regular	0.00	366.13	47342
11426	Valley Fresh Market, LLC	06/16/2025	Regular	0.00	287.91	47343
11562	Valley Shield Termite and Pest Solutions, Inc.	06/16/2025	Regular	0.00	300.00	47344
10497	West Coast Arborists, Inc	06/16/2025	Regular	0.00	2,100.00	47345
10065	Brenntag Pacific, Inc	06/23/2025	Regular	0.00	3,167.16	47346
11680	Central Holding Group, LLC	06/23/2025	Regular	0.00	2,797.13	47347
11435	Exclusive Alarm Services	06/23/2025	Regular	0.00	798.00	47348
11617	Extreme Clean Janitorial	06/23/2025	Regular	0.00	8,216.00	47349
11365	Frontier Communications	06/23/2025	Regular	0.00	151.67	47350
11365	Frontier Communications	06/23/2025	Regular	0.00	189.34	47351
10211	Grainger	06/23/2025	Regular	0.00	105.88	47352
10725	Hankering Corporation, The	06/23/2025	Regular	0.00	56.71	47353
11752	QYS Training LLC	06/23/2025	Regular	0.00	627.90	47354
10900	Living Systems Land Management, LLC	06/23/2025	Regular	0.00	32,800.00	47355
52123	Manuel Tinajero	06/23/2025	Regular	0.00	903.00	47356
11424	Maria Shafer	06/23/2025	Regular	0.00	212.50	47357
11128	Nielsen Building Material	06/23/2025	Regular	0.00	500.12	47358
10294	Quadient Leasing USA, Inc.	06/23/2025	Regular	0.00	815.09	47359
10682	Regional Government Services Authority	06/23/2025	Regular	0.00	1,719.00	47360
11660	Robert Hargreaves III	06/23/2025	Regular	0.00	2,640.00	47361
11448	SiteOne Landscaping Supply, LLC	06/23/2025	Regular	0.00	189.28	47362
10129	Smith & Loveless, Inc.	06/23/2025	Regular	0.00	10,678.36	47363
11174	Solvang Bakery Inc.	06/23/2025	Regular	0.00	200.00	47364
10908	Tetra Tech, Inc	06/23/2025	Regular	0.00	2,520.00	47365
11730	Ultrex Management Services, LLC	06/23/2025	Regular	0.00	291.30	47366
10266	Western Aeromedical Consortium	06/23/2025	Regular	0.00	175.00	47367
11469	Willdan Engineering	06/23/2025	Regular	0.00	10,580.31	47368
10991	A-OK Power Equipment	06/30/2025	Regular	0.00	21.44	47371
10873	Aqua-Metric Sales Company	06/30/2025	Regular	0.00	5,046.21	47372
52298	Celeste Pulido	06/30/2025	Regular	0.00	100.00	47373
11587	Column Software PBC	06/30/2025	Regular	0.00	391.90	47374
10197	County of Santa Barbara	06/30/2025	Regular	0.00	80.50	47375
11732	Daniel Keen Consulting	06/30/2025	Regular	0.00	11,000.00	47376
50202	Ernestina Soto	06/30/2025	Regular	0.00	706.50	47377
11617	Extreme Clean Janitorial	06/30/2025	Regular	0.00	9,152.00	47378
11565	Frederick Paul Lageman	06/30/2025	Regular	0.00	6,489.88	47379
11365	Frontier Communications	06/30/2025	Regular	0.00	494.62	47380
11592	Halina Wyluda-Kazmierczak	06/30/2025	Regular	0.00	409.50	47381
10081	Harrison Hardware	06/30/2025	Regular	0.00	144.06	47382

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
11695	JHESR LLC	06/30/2025	Regular	0.00	1,225.00	47383
52374	Kristan Morrison	06/30/2025	Regular	0.00	280.00	47384
10680	Meridian Consultants LLC	06/30/2025	Regular	0.00	5,465.15	47385
11128	Nielsen Building Material	06/30/2025	Regular	0.00	675.28	47386
10682	Regional Government Services Authority	06/30/2025	Regular	0.00	67.50	47387
11448	SiteOne Landscaping Supply, LLC	06/30/2025	Regular	0.00	63.86	47388
11730	Ultrex Management Services, LLC	06/30/2025	Regular	0.00	99.00	47389
11562	Valley Shield Termite and Pest Solutions, Inc.	06/30/2025	Regular	0.00	500.00	47390
11754	BSN Sports LLC	06/30/2025	Regular	0.00	569.53	47391
10872	Verizon Wireless Services, LLC	06/30/2025	Regular	0.00	2,919.14	47392
10266	Western Aeromedical Consortium	06/30/2025	Regular	0.00	75.00	47393
11137	Pacific Gas & Electric Company	06/02/2025	Bank Draft	0.00	2,538.56	DFT0007810
10659	Internal Revenue Service	06/17/2025	Bank Draft	0.00	15.86	DFT0007848
11137	Pacific Gas & Electric Company	06/27/2025	Bank Draft	0.00	359.40	DFT0007872
11137	Pacific Gas & Electric Company	06/27/2025	Bank Draft	0.00	8.71	DFT0007873
11137	Pacific Gas & Electric Company	06/27/2025	Bank Draft	0.00	52,322.00	DFT0007879
11176	Southern California Gas Company	06/24/2025	Bank Draft	0.00	87.82	DFT0007880
11176	Southern California Gas Company	06/24/2025	Bank Draft	0.00	43.32	DFT0007881
11176	Southern California Gas Company	06/24/2025	Bank Draft	0.00	118.86	DFT0007882
11176	Southern California Gas Company	06/24/2025	Bank Draft	0.00	13.51	DFT0007883
11648	Vestis Services, LLC	06/24/2025	Bank Draft	0.00	257.31	DFT0007884
11648	Vestis Services, LLC	06/24/2025	Bank Draft	0.00	274.27	DFT0007885
11648	Vestis Services, LLC	06/24/2025	Bank Draft	0.00	261.88	DFT0007886
10655	Comcast	06/25/2025	Bank Draft	0.00	492.36	DFT0007889
10613	Advantage Group, The	06/24/2025	Bank Draft	0.00	8,778.21	DFT0007890
11137	Pacific Gas & Electric Company	06/27/2025	Bank Draft	0.00	2,857.41	DFT0007894
11137	Pacific Gas & Electric Company	06/27/2025	Bank Draft	0.00	2,796.43	DFT0007895
11137	Pacific Gas & Electric Company	06/27/2025	Bank Draft	0.00	4,834.36	DFT0007896

Bank Code APBNK Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	198	128	0.00	644,328.93
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	17	17	0.00	76,060.27
EFT's	127	59	0.00	391,305.05
	342	**204**	**0.00**	**1,111,694.25**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: PY Bank-PY Bank Code						
11240	Superior Vision Services Inc.	06/25/2025	Regular	0.00	388.98	47369
11321	Premier Access Insurance Company	06/25/2025	Regular	0.00	3,961.08	47370
11186	Teamsters Local 986	06/03/2025	Bank Draft	0.00	824.00	DFT0007762
11186	Teamsters Local 986	06/03/2025	Bank Draft	0.00	824.00	DFT0007788
11723	AFLAC	06/25/2025	Bank Draft	0.00	3.12	DFT0007827
11723	AFLAC	06/25/2025	Bank Draft	0.00	29.82	DFT0007828
11723	AFLAC	06/25/2025	Bank Draft	0.00	72.00	DFT0007829
10030	Pers	06/23/2025	Bank Draft	0.00	18,121.07	DFT0007830
11123	Colonial Life	06/23/2025	Bank Draft	0.00	172.55	DFT0007831
11196	Employee Benefits Specialists	06/10/2025	Bank Draft	0.00	712.31	DFT0007832
11241	Mutual of Omaha Insurance Company	06/23/2025	Bank Draft	0.00	1,100.92	DFT0007833
10202	PERS Retirement	06/05/2025	Bank Draft	0.00	24,180.03	DFT0007834
11186	Teamsters Local 986	06/27/2025	Bank Draft	0.00	1,089.50	DFT0007835
10227	Montecito Bank & Trust	06/05/2025	Bank Draft	0.00	36,688.14	DFT0007836
11217	State of California	06/05/2025	Bank Draft	0.00	7,596.09	DFT0007837
11194	Nationwide Retirement Solution	06/05/2025	Bank Draft	0.00	895.00	DFT0007838
11194	Nationwide Retirement Solution	06/05/2025	Bank Draft	0.00	788.46	DFT0007839
11194	Nationwide Retirement Solution	06/05/2025	Bank Draft	0.00	565.00	DFT0007840
11194	Nationwide Retirement Solution	06/05/2025	Bank Draft	0.00	212.88	DFT0007841
11651	Mission Square	06/05/2025	Bank Draft	0.00	711.76	DFT0007842
11651	Mission Square	06/05/2025	Bank Draft	0.00	236.76	DFT0007843
10227	Montecito Bank & Trust	06/13/2025	Bank Draft	0.00	606.70	DFT0007846
11217	State of California	06/13/2025	Bank Draft	0.00	46.80	DFT0007847
11723	AFLAC	06/25/2025	Bank Draft	0.00	3.12	DFT0007849
11723	AFLAC	06/25/2025	Bank Draft	0.00	29.82	DFT0007850
11723	AFLAC	06/25/2025	Bank Draft	0.00	72.00	DFT0007851
10030	Pers	06/23/2025	Bank Draft	0.00	18,121.07	DFT0007852
11123	Colonial Life	06/23/2025	Bank Draft	0.00	172.55	DFT0007853
11196	Employee Benefits Specialists	06/18/2025	Bank Draft	0.00	712.31	DFT0007854
11241	Mutual of Omaha Insurance Company	06/23/2025	Bank Draft	0.00	1,100.92	DFT0007855
10202	PERS Retirement	06/18/2025	Bank Draft	0.00	24,195.05	DFT0007856
11186	Teamsters Local 986	06/27/2025	Bank Draft	0.00	912.50	DFT0007857
10227	Montecito Bank & Trust	06/18/2025	Bank Draft	0.00	36,564.22	DFT0007858
11217	State of California	06/18/2025	Bank Draft	0.00	7,581.49	DFT0007859
11651	Mission Square	06/18/2025	Bank Draft	0.00	711.76	DFT0007860
11651	Mission Square	06/18/2025	Bank Draft	0.00	236.76	DFT0007861
11723	AFLAC	06/25/2025	Bank Draft	0.00	24.24	DFT0007862
11723	AFLAC	06/25/2025	Bank Draft	0.00	33.93	DFT0007863
11723	AFLAC	06/25/2025	Bank Draft	0.00	17.88	DFT0007864
11723	AFLAC	06/25/2025	Bank Draft	0.00	24.24	DFT0007865
11723	AFLAC	06/25/2025	Bank Draft	0.00	33.93	DFT0007866
11723	AFLAC	06/25/2025	Bank Draft	0.00	17.88	DFT0007867
11194	Nationwide Retirement Solution	06/18/2025	Bank Draft	0.00	895.00	DFT0007868
11194	Nationwide Retirement Solution	06/18/2025	Bank Draft	0.00	788.46	DFT0007869
11194	Nationwide Retirement Solution	06/18/2025	Bank Draft	0.00	249.27	DFT0007870
11194	Nationwide Retirement Solution	06/18/2025	Bank Draft	0.00	565.00	DFT0007871
10030	Pers	06/23/2025	Bank Draft	0.00	3,634.00	DFT0007874
10030	Pers	06/23/2025	Bank Draft	0.00	43.05	DFT0007875
10030	Pers	06/23/2025	Bank Draft	0.00	-0.27	DFT0007876
11241	Mutual of Omaha Insurance Company	06/23/2025	Bank Draft	0.00	313.95	DFT0007877
11241	Mutual of Omaha Insurance Company	06/23/2025	Bank Draft	0.00	-0.21	DFT0007878
10227	Montecito Bank & Trust	06/27/2025	Bank Draft	0.00	5,595.00	DFT0007897

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
11217	State of California	06/27/2025	Bank Draft	0.00	1,170.00	DFT0007898

Bank Code PY Bank Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	12	2	0.00	4,350.06
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	51	51	0.00	199,295.83
EFT's	0	0	0.00	0.00
	63	**53**	**0.00**	**203,645.89**

All Bank Codes Check Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	210	130	0.00	648,678.99
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	68	68	0.00	275,356.10
EFT's	127	59	0.00	391,305.05
	405	**257**	**0.00**	**1,315,340.14**

Fund Summary

Fund	Name	Period	Amount
998	POOLED CASH	6/2025	1,315,340.14
			1,315,340.14

City of Solvang

Quarter 2 Report



TJA Advertising :: Public Relations

Prepared for **City of Solvang**
By TJA Advertising

TJAAdvertising.com



TOT/ ROI Report

TOT Equation:

18,866 (lodging referrals) x 30% (look to book ratio) = 5,560 (reservations) x 2 nights (average length of stay) = 11,120 room nights x $225 average ADR = $2,502,000 (possible reservations made from website lodging referrals). 14% TOT generated = $350,280



Image sourced and secured via Crowdriff



Fall Planning Underway

- Reviewing all media campaigns from the Fiscal Year to optimize spend.
- Bay Area News Group, LA Times, USA Today, Visit California and Hearst.
- New Creative being developed for fall campaigns.
- Promotion of Danish Days and Julefest has begun.







Images sourced and secured via Crowdriff



Website Design Projects Highlights

- Bi-Monthly Event Calendar Updates (incl. Theaterfest)
- Seasonal Homepage Lodging Banners
- Added Worldmark Property to Lodging Directory
- NEW “Happenings” Page with Dynamic Posting System and Individual Category Pages throughout the Site
- “Wander into a Dream” “Solvang’s Streets are in Bloom” and “What’s New in Solvang” Themed Blog
- Added “10Best” Logo to Website Footer
- Added Location Maps to Event Listings
- Updated the “Know Before You Go” Guide with New Pages and Content
- Developed a “Media Kit” Page and Content, with New Solvang Rack Card Design
- Redesigned Julefest Page with Video and New Logo for Event
- Redesigned Danish Days Page with Video
- Added Brunch to Dining Directory
- Completed Full Website Audit of Mobile Device Views



New Pages for Julefest and Danish Days



Home > Things To Do >

Danish Days is California's Premier Danish Heritage Festival

Solvang Danish Days returns this year with a three-day event line-up, Friday, September 19 – Sunday, September 21, 2025. The 2025 edition of Solvang Danish Days marks





Home > Things To Do >

Solvang Julefest is a Month-Long Holiday Celebration, Danish Style



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Website Stats

Sessions = 203,887 | Y/Y = +3.5%
Page Views = 343,109 | Y/Y = -9.5%
Lodging Specials Page Views = 26,940 |
Y/Y = -11.3%
Lodging Referrals = 18,866 | Y/Y = +131%

Downloads:
Walking Map = 3,771
City Map = 1,513
Know Before You Go Guide = 1,176



Image sourced and secured via Crowdriff

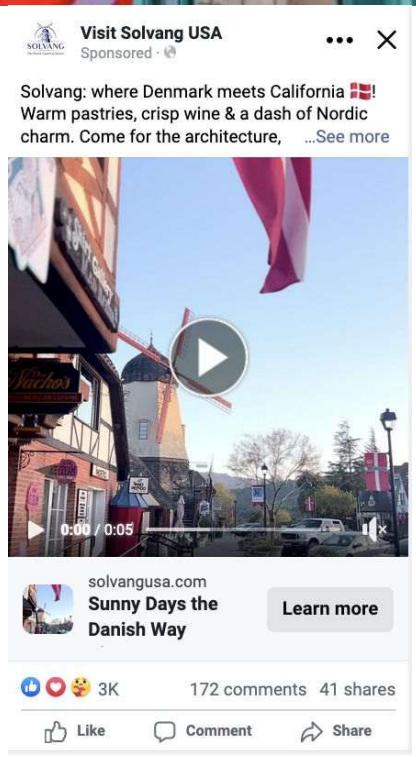
TJA Advertising Public Relations



TJA's Digital Marketing Efforts

Paid Meta Ads

- Custom meta ads are created and launched monthly.
- Targeting is based on key demographics identified through Placer AI and additional audience insights, including income levels and interests.
- Each ad averages over 11,677 clicks, all directed to the lodging specials page.
- This quarter's top-performing ad was for June lodging specials, achieving an impressive average CPC of just $0.12.

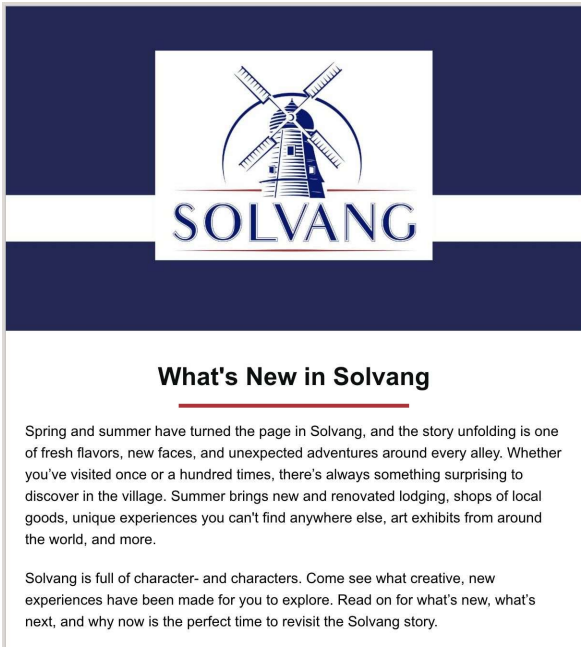


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Monthly Eblasts

- Monthly e-blasts and blog posts are created and published to keep content fresh and relevant.
- E-blasts are sent to a subscriber list of 67,573 engaged users. We have added over 1,000 subscribers in 3 months.
- Our average open rate is 45%—well above the industry standard of 20%.
- The top-performing e-blast in May reached a 47% open rate and highlighted “What’s New” content.


SOLVANG

What's New in Solvang

Spring and summer have turned the page in Solvang, and the story unfolding is one of fresh flavors, new faces, and unexpected adventures around every alley. Whether you've visited once or a hundred times, there's always something surprising to discover in the village. Summer brings new and renovated lodging, shops of local goods, unique experiences you can't find anywhere else, art exhibits from around the world, and more.

Solvang is full of character- and characters. Come see what creative, new experiences have been made for you to explore. Read on for what's new, what's next, and why now is the perfect time to revisit the Solvang story.

TJA Advertising Public Relations



Pinterest

- We drove over 12,000 impressions on Pinterest this quarter with an active audience of over 8,000 people.
- Top pins included dining in Solvang, Things to Do in Solvang, and California Danish Maid in Solvang.
- Pinterest users often search with a planning mindset, making it an ideal platform to inspire and capture interest from travelers dreaming up their next getaway.

Pin	
	Dining in Solvang - Visit Solvang, CA
	Solvang Things To Do and Attractio...
	California Danish Maid Solvang
	Live Life as You sent you a Pin!
	Step Back in Time in Solvang
	All ages enjoy Danish street dancin...

TPJA Advertising :: Public Relations



Crowdriff

- Localhood Stories are created and embedded across our website and may also be featured on the Visit California website and Google Discover.
- This quarter's top-performing story was "The Best Bakeries in Solvang."
- Over 580 pieces of user-generated content have been secured and are accessible for ongoing use.
- UGC is also repurposed as Pins on Pinterest to expand reach.
- Please note: Full performance reporting is available via a live dashboard and monthly written reports.



TJA Advertising Public Relations



Thank You!

SOCIAL MEDIA REPORT

April-June 2025



Apr-Jun 2025

OVERVIEW

03-05	Key Takeaways
06-08	Quarterly Data
09-14	Top Performing Content
15-16	Community Engagement
17-18	Quarterly Projects
19-20	Instagram Market Analysis

Apr-Jun 2025

KEY TAKEAWAYS

KEY TAKEAWAYS

Apr-Jun 2025

APRIL WINS

- Top 6 things to do in Solvang concept was high performing on Instagram and TikTok!
  - Instagram: 32k views, 2.4k likes, 20 comments, 794 shares, 550 saves.
  - TikTok: 28k views, 848 likes, 10 comments and 262 shares. We saw a +249% increase in views from the previous month from this strong performing video content in April.
- Press hits were the top viewed stories. We'll continue to share newsworthy mentions as they come up!
- Our announcements of Solvang's accomplishments with 10best were highly engaged with on Facebook. The initial post received just under 700 likes and reactions. Our posts typically receive 100-200 interactions on average on this platform.

MAY WINS

- Continued success with our strategy to position Solvang as an international escape, "no passport required". Our "Places in California that look like another country" video gained over 17k views on TikTok.
- We saw a +14% increase in accounts reached on Instagram, totaling over 147k for the month. Notably, 48% of these views came from non-followers, signaling that our content is successfully attracting new audiences.
- Content interactions on Facebook jumped +109%, hitting over 13k. Our reel, "Places in California that look like another country", gained 72k views and 2.7k reactions. With extended reel lifespans, we're continuing to see meaningful engagement, including 100+ comments per video, weeks after initial posting.

JUNE WINS

- Saw notable follower increases on Instagram and Facebook!
  - Our Instagram following surpassed the 80k milestone, closing Q2 at 81,351 followers. An increase of +6k new followers in the quarter.
  - Facebook follower growth doubled. The page now has 8.2k followers, with +1.5k net new followers gained in Q2.
- We revived the "sweets montage" format (a previously high-performing style) which became our standout reel of June and Q2. It received 60k views, 4k likes, 69 comments, 1.8k shares, 400 saves, +128 followers
- Our Instagram giveaway generated over 6k entries and gained just under 1k new followers directly from the post, highlighting the value of interactive promotions in expanding our reach.

KEY TAKEAWAYS

Apr-Jun 2025

OPPORTUNITIES

- Continued partnerships with influencers.
- Social forward trends + interactive graphics.
- More “sweets“ themed content - data shows this content is an audience favorite.
- Repurposing user generated content (UGC).
- Upcoming holiday themes.

Apr-Jun 2025

QUARTERLY DATA

3 MONTH CHECK-IN

Apr-Jun 2025

PLATFORM	TOTAL FOLLOWERS	NET GROWTH	ORGANIC ENGAGEMENTS	ORGANIC VIEWS
INSTAGRAM	81,352	+6,419	60,268	1,124,579
FACEBOOK	8,216	+1,599	11,087	2,868,155
TIKTOK	4,975	+429	6,617	176,010

QUARTERLY CHECK-IN

Apr-Jun 2025

PLATFORM	FOLLOWER NET GROWTH Apr-Jun 2025	FOLLOWER NET GROWTH Apr-Jun 2024	TOTAL # OF POSTS Apr-Jun 2025	TOTAL # OF POSTS Apr-Jun 2024	ACCOUNTS REACHED Apr-Jun 2025	ACCOUNTS REACHED Apr-Jun 2024	ORGANIC PROFILE VIEWS Apr-Jun 2025	ORGANIC PROFILE VIEWS Apr-Jun 2024
INSTAGRAM	6,419	5,500	38	47	316,159	248,762	23,524	22,524
FACEBOOK	1,599	1,107	32	45	774,096	777,872	9,781	N/A
TIKTOK	429	135	17	10	138,667	29,902	1,073	428
TOTAL	8,447	6,742	87	102	1,228,922	1,056,536	34,378	22,952

Apr-Jun 2025

TOP PERFORMING CONTENT

TOP PERFORMING CONTENT - INSTAGRAM

Apr-Jun 2025

IMPRESSIONS + LIKES



Posted : May 12, 2025 4:43 PM

Main Takeaway
Social Trend - Original graphic concepted for Solvang.

65k views, 3.7k likes, 32 comments, 1.9k shares,
182 saves, +73 followers

TOP PERFORMING CONTENT - INSTAGRAM REELS

Apr-Jun 2025

PLAYS, SAVES + LIKES



Posted : June 17, 2025 4:12 PM

Main Takeaway
Sweets montage video. High performing topic.

60k views, 4k likes, 69 comments, 1.8k shares,
400 saves, +128 followers

TOP LIKED POSTS-INSTAGRAM

Apr-Jun 2025



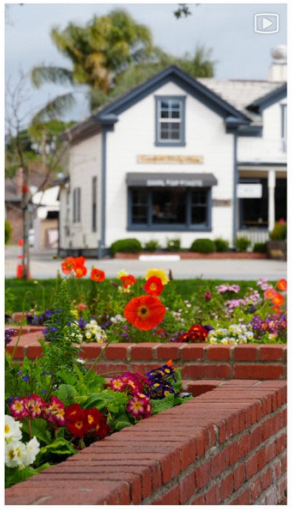
Posted : May 12, 2025 4:43 PM



Posted : June 17, 2025 4:12 PM



Posted : June 11, 2025 4:47 PM



Posted : April 8, 2025 6:15 PM



Posted : April 14, 2025 5:43 PM

Main Takeaways

Interactive graphics and video montages increase engagement + views.

TOP PERFORMING CONTENT - FACEBOOK

Apr-Jun 2025

REACH + ENGAGEMENT



Posted : May 7, 2025 6:41 PM

Main Takeaway

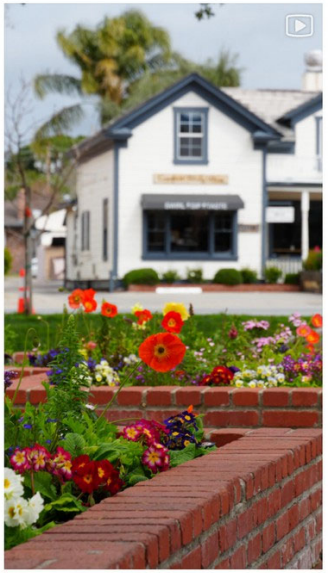
Audience responds well to overall experience videos that showcase Solvang landmarks and signage.

88k views, 2k likes, 138 comments, 335 shares, 69 saves

TOP PERFORMING CONTENT - TIKTOK

Apr-Jun 2025

VIEWS & LIKES



Posted : April 8, 2025 6:15 PM

Main Takeaway
High performing video style. Native text call outs perform well and keep viewers engaged through the whole video.

47k plays, 1.8k likes, 14 comments, 563 shares, 593 saves

Apr-Jun 2025

THE SOLVANG COMMUNITY

COMMUNITY ENGAGEMENT

Apr-Jun 2025



_michellemarasigan 1w · ❤️ by author

Only spent half a day here, but it felt like time bent just enough to let the magic in. Like wandering through a memory you didn't know you needed ✨

Reply Reply with a reel Hide ↓



discover_california_ 3w · ❤️ by author

This really captures the charm of Solvang 😍

Reply Reply with a reel Hide ↓



theventurelovers 2w · ❤️ by author

We LOVE Solvang for the Christmas time but we really need to go explore it in the summer too 🥹

Reply Reply with a reel Hide ↓



a_jeanius_life 1w · ❤️ by author

We visit a few times a year! It's one of "our thing" we do. ☺️

Reply Reply with a reel Hide ↓



phi2828 7w · ❤️ by author

I've loved this place for decades. This is my Disneyland. 😍

Reply Reply with a reel Hide ↓



thatsocalrealestategirl 2w · ❤️ by author

Solvang is such a beautiful city! And delicious bakeries!

Reply Reply with a reel Hide ↓



juicyjuice9660 1w · ❤️ by author

My wife and I visit solvang 3-5 times a year... it's our happy place for sure. It's calm and the drive between Lompoc, Buellton and Solvang never gets old..

Reply Reply with a reel Hide ↓



nalasdogblog 8w · ❤️ by author

Love it! Miss this town. We had such a great dog friendly experience here ❤️

Reply Reply with a reel Hide ↓

Apr-Jun 2025

QUARTERLY PROJECTS

Q2 PROJECTS

Apr-Jun 2025

Outside of our social media schedule planning and video editing, we:

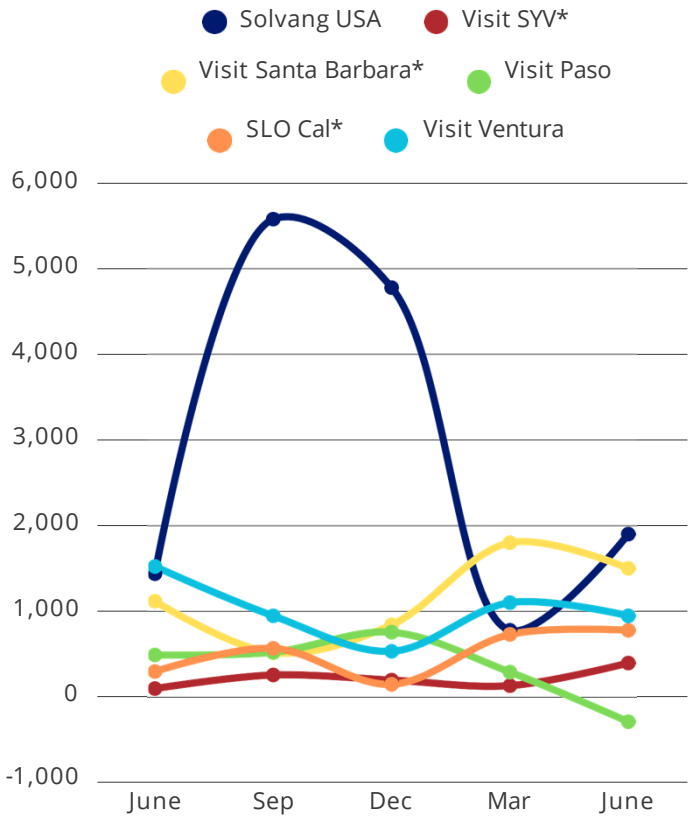
- Provided influencer support for Anna
- Monitored and reshared influencer content
- Curated a summer giveaway
- Sourced usable content from businesses/influencers

Apr-Jun 2025

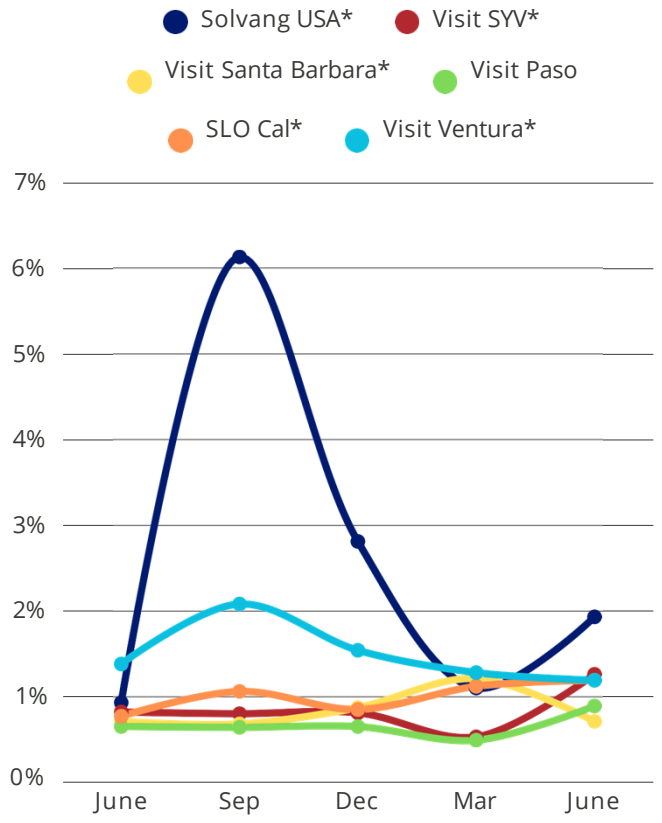
INSTAGRAM MARKET ANALYSIS

Apr-Jun 2025

NEW FOLLOWERS [30 days]



AVG ENGAGEMENT RATE [30 days]



Main Takeaway

Solvang's followers and engagement increased from previous reporting period, leading in both categories. The high point in September was a result of 4 videos that each had just under 1M views (seasonal content and influencer collaborations) that performed highly and carried into December. These were all time top performers on the account. The tourism industry's average engagement rate for IG is 0.4%. Solvang is well above average with just under 2%!


THANK
YOU

Solvang Tourism, Apr | May | Jun 2025 :: PR Briefs

*prepared by Anna Ferguson-Sparks, Stiletto Marketing – **June 25, 2025***

- ***APR | MAY | JUN 2025 Activities (recap)***

Press Communications

- Drafting + updating + distributing press releases / marketing copy for Solvang 'developments' and other happenings, as well as media outreach in support of new or existing Solvang businesses or other Solvang initiatives.



  - Included press release distribution: "*Solvang, California, Voted as 'Best Small Town in the West' in 2025 USA TODAY 10Best Readers' Choice Travel Awards, also Lands in Top Five for 'Best Small Town Food Scene'*"
  - Included continued press follow-up surrounding: "*April 5 & 6, 2025: Solvang, California, Hosts Inaugural 'Solvang Brick & Builds' Brick-Building Festival and Town-wide Competition*"



  - Included press release distribution: "*May 31, 2025: Danish Film, The Kiss, Oscar-Winning Filmmaker Bille August's Romantic Drama, to Screen at Solvang's Elverhøj Museum of History and Art during U.S. Premiere*"
  - Included press release + marketing copy creation and ***beginning*** distribution: "*Solvang Julefest, the Danish Village of Solvang, California's Annual Holiday Event, Returns to One of the Nation's 'Best Christmas Towns' November 28, 2025, through January 4, 2026*"
- Each of the above-listed press releases was used for editorial consideration as well as for other SolvangUSA marketing team projects. *(content for all of these sits in shared Google docs)*

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Content / Media Liaison

- Provided photos, Solvang information, and content suggestions to ***Small Market Meetings* Magazine** reporter, for a June issue story about "small towns across California with distinct ethnic enclaves or cultural identity."



- Continued / completed correspondence and coordination with Southern California-based movie distribution company (*WWMPC*) regarding the Spring U.S. release of **Danish film**, ***The Kiss***, and **MAY 31**, **2025**, **Solvang film screening event** at ***Elverhøj Museum of History & Art***: elverhoj.org/the-kiss-movie-premiere

- ***Reader's Digest:*** Solvang was invited to submit / nominate ourselves for the Nicest Places in America feature / list "and potentially land it on the cover of [the] magazine." *Submitted Solvang prior to June 1, 2025, deadline.*

- Facilitated one appointment for May 15, 2025, **Visit California social media video content shoot**, which was to include general village b-roll, Solvang Trolley (horses), Ingeborg's, The Landsby, and Crawford Family Wines.

Media Outreach

- Check SOS, HARO, Substack, and/or other media queries daily; submitted Solvang and/or individual businesses within City to fourteen (14) specific queries.
    - Included two positively-received submissions, one for the next round of *Newsweek*'s Readers' Choice Awards, and one for *Reader's Digest* on the topic of "Places to Visit for Fourth of July."
- Additional, ongoing media outreach or pitching not tied to SOS, HARO, Substack, or other specific queries.

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Content Submissions

- **Solvang content submissions to Visit California** for future PR / Media consideration:
  - *High Roller Tiki Lounge: How a 17-Year Disneyland Alum Brought "Tiki" to Solvang Wine Country* (call for "Dining That's All About the Atmosphere" – *restaurant or bar* – idea submissions)
  - *Solvang's "Final Girl Wines" Surrounds Sippers with Horror Film-themed Atmosphere and Artifacts* (call for "Dining That's All About the Atmosphere" – *restaurant or bar* – idea submissions)
  - *Solvang Wine Country Vistas with a Side of Golf: Views from The River Grill Restaurant* (call for "Professional Meetings and Events: Boardroom with a View" idea submissions)
  - *Solvang's Quiet Courtyards for Hidden Caffeine Sessions: Flower-fronted Coffeehouses and Bakeshops* (call for "Mocha Madness: Unexpected Locations to Grab a Cup of Coffee" idea submissions) ***– PUBLISHED – June 2025,*** "California's Coffee Shop Gems"
  - *Fall Fun in Solvang, CA, "The Danish Capital of America:" Pastries, Pumpkins, Scarecrows, Spirits* (call for "Shoulder Season" idea submissions)
  - *Elverhøj Museum of History and Art: Solvang's Authentic Danish Heritage on Display for Event Guests* (call for "Professional Meetings and Events: California's Creative Edge" idea submissions)

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Content Submissions *(continued)*

- **Solvang content and event submissions to Central Coast Tourism Council** for future PR / Media consideration:





  - **Summer events & seasonal activity highlights** (*June 14 SYV Pride Parade and Festival; Solvang July 4th Parade and Fireworks Festival; September's Solvang Danish Days*)
  - **Concerts, festivals & music under the stars** (*June-August Solvang Chamber of Commerce "Music in the Park;" Solvang Festival Theater's Summer 2025 Concert and Show Line-up*)
  - **New & noteworthy openings (hotels, restaurants, experiences)** (*"The Marlo" Hotel Launches in Solvang, Summer 2025; Thomas Dambo Troll,* Lulu Hyggelig*, Now on Display at California Nature Art Museum; Solvang Viking Museum: New Exhibits and Expanded Spaces*)
  - *Example of Solvang content usage:*
    - **Travel Itinerary: The Storyteller** (centralcoast-tourism.com/travel-itinerary-the-storyteller)



- **Solvang event submissions to Visit Santa Barbara** for online calendar posting(s): *https://santabarbaraca.com/events/solvang-danish-days*



- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Additional Items

- Supplied content suggestions and input to TJA + City (Candice) for April 2025 "*Solvang Voted Best Small Town in the West*" e-blast / newsletter to SolvangUSA consumer email listing(s). Content was also used for SolvangUSA.com website blog post. Provided additional input for new "What's Happening" / "nightlife" section of SolvangUSA.com website.
- Supplied content suggestions and input to TJA + City (Candice) for late-May/early-June 2025 "*What's Happening in Solvang*" e-blast / newsletter to SolvangUSA consumer email listing(s). Content was also used for SolvangUSA.com website blog post.
- Supplied content suggestions, input, and materials to TJA + City (Candice) for late-June 2025 "*Summer in Full Bloom!*" e-blast / newsletter to SolvangUSA consumer email listing(s). Content was also used for SolvangUSA.com website blog post. Similarly, assisting with content suggestions for "Sip Outside in Solvang" Localhood Story.
- Check-ins with the Solvang Visitor Center for updates and general catch-up sessions.
- Correspond regularly with islett (Liana + Kaylee) regarding @SolvangUSA social media topics, questions, content schedules, and for general check-ins.

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Additional Items *(continued)*

- Continued to assist Candice and our BRICK event coordinator, Allyson Gail, with logistics for early-April 2025 "Solvang Brick & Builds" event; included working the check-in / ticketing tables during the event weekend.
- Assisted Candice and Elverhøj Museum with logistics for May 31, 2025, Danish film screening event (*The Kiss*); included presence at event for any necessary tasks.
- Participated as part of the Tourism panel of speakers on behalf of SolvangUSA, at the Solvang Chamber of Commerce's June 5, 2025, "Santa Ynez Valley Economic Summit."

Q2 2025 Media Visits

In April we hosted three (3) influencers*, two of which were through a Visit California India Influencer Campaign. The India influencers were in town for a few hours as part of their trip from Los Angeles up the California Coast, while the third influencer had two overnights in Solvang, with a partial itinerary that resulted in multiple social media stories, one Solvang Reel, and an accompanying TikTok video.* ***In May we hosted and helped with two (2) influencer + media visits****, one of which was a foodie micro-influencer and food & travel writer, the other a writer brought in by The Winston's team to showcase the property and Solvang, in general.* ***In June we hosted two (2) influencer visits***, one an opportunity in conjunction with Visit California MX, and the second, one of our larger influencer collaborations meant to showcase some of Solvang's seasonal "cultural pursuits."

We are currently working on four (4) to five (5) confirmed or potential influencer + writer visits for late-August and September, skipping the busy-busy season in July. *All further visit results, trip confirmations, and details to follow in future monthly or quarterly reports.*

Apr/May/Jun 2025 Solvang Influencer Visit(s) – *Recap*

- ***APR | MAY | JUN 2025 Activities (recap, continued)***



theshayspence • Follow
Original audio

theshayspence how to spend a day in Solvang, California. I would personally like to thank the cast of vanderpump rules and/or the producers at bravo for putting this town on my radar.

•food spots: breakfast at @solvangrestaurant, lunch at @peasantsfeast, dinner at @coastrangerestaurant (and/or @ramenkotori)
•wines: @kingscareywines and @finalgirlwines
•hotel: @thelandsby

#travelreels #californiacheck #smalltown #travelbucketlist #bravotv #ustravel

1w

peasantsfeast Thanks for FEASTING with us!! Looks like you had an amazing weekend! 🥳🙏❤️🔥

1w 2 likes Reply

coastrangerestaurant Thank you for coming in!

1w 4 likes Reply

April 22

Shay Spence (@theshayspence) // 483K Instagram Followers

Shay Spence (@theshayspence)

*[**Please Note:** Shay visited in April, and these are all numbers as reported in April 2025 monthly wrap-up.]*

One (1) Solvang Reel on Instagram:
~2,075 Likes // 65 Comments // 615+ Shares // 43.9K Reel Views

+ One (1) Solvang video on TikTok:
31.1K Views // ~3,210 Likes // 84 Comments // 470+ Saves

- ***APR | MAY | JUN 2025 Activities (recap, continued)***



(this is a reference to the reality show that Shay mentions in his video // Ree Drummond, @thepioneerwoman, has ~4.4M Instagram Followers)

thepioneerwoman "SO VAIN!!!"
1w 5 likes Reply

brewsterwins I don't know why I love an all year Christmas store, but I do. Specially when they smell like cinnamon.
1w Reply

izzywonder06 I grew up going to Solvang, I love it there!
1w Reply

valerie_a_paul @sianalouise if you come to CA this page has great ideas
1w Reply

bourbon.huntress911 Did you get a danish waffle from @olsensbakerysolvang ?!

katckirk Soooooo cute!!!!! Definitely on our list for ne t Cali visit!!!
1w 1 like Reply

Hide replies

theshayspence @katckirk it's a must!
1w 1 like Reply

Ashlen
Christmas here is so so magical!!
4-22 Reply

Shay Spence · Creator
I know I must come back

Visit California INDIA Influencer Campaign

(April 24 Solvang visit – data below is as of May 2025 monthly report)

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Sharanya Iyer (@trulynomadly) // 511K Followers (*current*)
Visit California Instagram post (incl. Solvang): ~4,150 Likes // 58 Comments // + 4 Solvang Stories (including good Troll Stories)

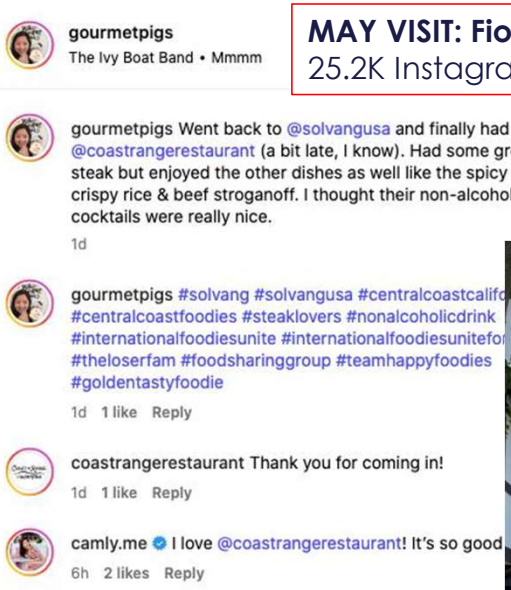


Aakash Malhotra (@wanderwithsky) // 1.9M Followers (*current*)
Visit California Instagram Reel (incl. Solvang): ~18.8K Likes // 105 Comments // + 2 Solvang Stories (great one with the Troll)



- ***APR | MAY | JUN 2025 Activities (recap, continued)***

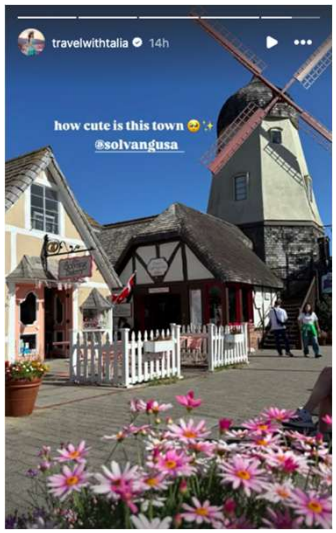




MAY VISIT: Fiona Chandra (@gourmetpigs) //
25.2K Instagram Followers







JUNE VISIT: Natalia Hasenkampf (@travelwithtalia) //
San Diego-based // 420K Instagram Followers

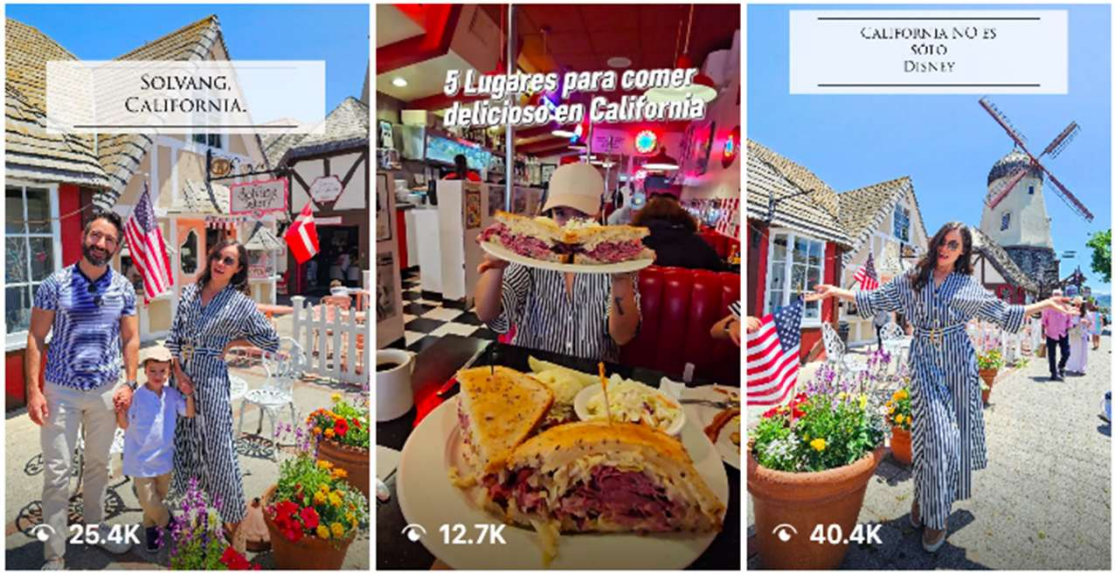
Natalia's June visit recap to be reported in July 2025.

Visit California MEXICO Influencer Campaign

(June 4-5 Solvang visit)

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Gaby Gomez (@modacapital) // 498K Followers
VisitCaliforniaMX Instagram Reel (incl. Solvang) + Foodie Reel (incl. Solvang) + Solvang-dedicated VisitCaliforniaMX Reel + ~8 Solvang Stories



Guillermo Martínez Curiel (@memocapital) // 101K Followers
VisitCaliforniaMX Foodie Instagram Reel (incl. Solvang locations)

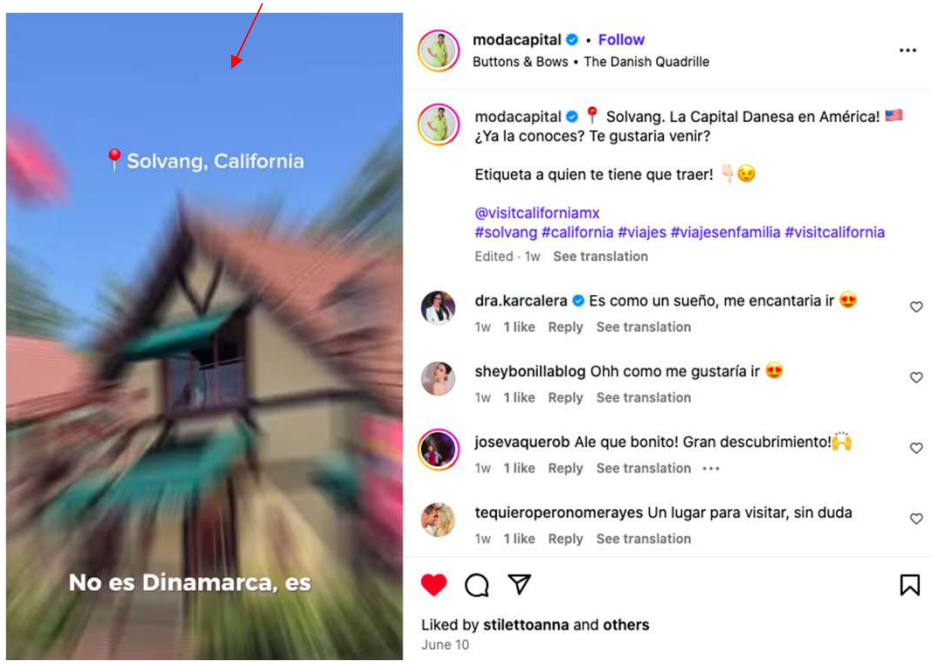


Visit California MEXICO Influencer Campaign

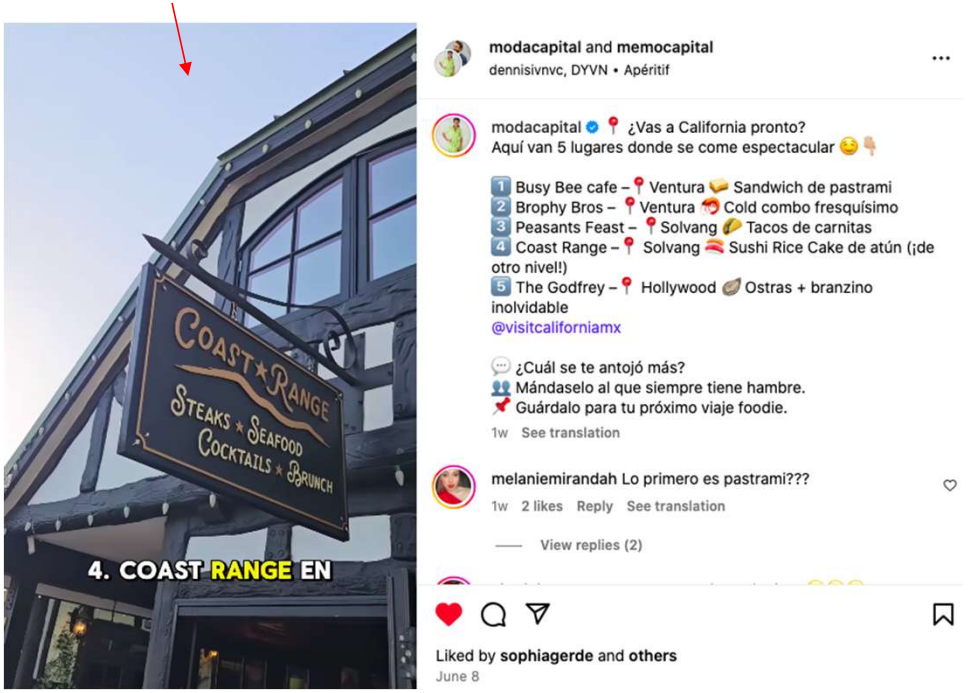
(June 4-5 Solvang visit)

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Gaby Gomez (@modacapital) // 498K Followers
VisitCaliforniaMX Instagram Reel (incl. Solvang) + Foodie Reel (incl. Solvang) + Solvang-dedicated VisitCaliforniaMX Reel + ~8 Solvang Stories



Guillermo Martínez Curiel (@memocapital) // 101K Followers
VisitCaliforniaMX Foodie Instagram Reel (incl. Solvang locations)



- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*) – Solvang "Brick & Builds" Clips**

Santa Barbara Independent — A Weekend of LEGOs, Builds, and Community in Solvang

NEWSBREAK

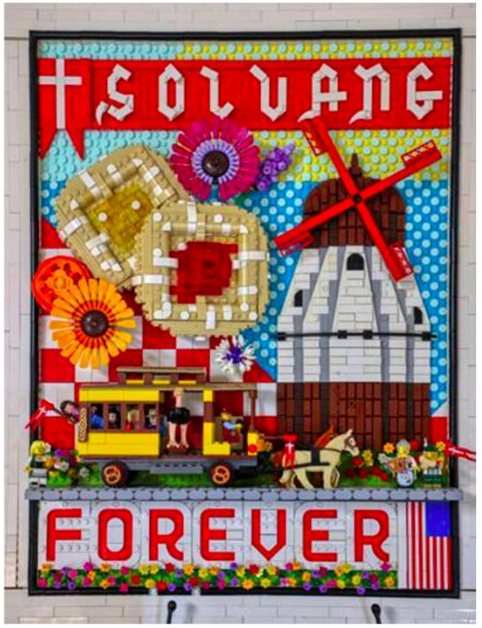
NEWS CHANNEL 12 3 11 TELEMUNDO COSTA CENTRAL — Beginning to Look a lot like Spring! Everything Happening this Weekend on the Central Coast (*< incl. Brick & Builds*)

Santa Ynez Valley Star — For a weekend, Solvang becomes Legoland

Solvang's Bricks and Builds event fills Veterans Memorial Building with imagination | Photos

Santa Ynez Valley News — Solvang's inaugural Brick & Build Festival sparks imagination, community spirit

Solvang Brick & Build contest winners shine at inaugural LEGO celebration



- ***APR | MAY | JUN 2025 Activities (recap, continued)***

- **SAMPLING OF MEDIA HITS (*April through June*)**

USA TODAY 10Best: Best small towns in the US that you'll want to visit again and again

Solvang voted 2025's 'Best Small Town in the West'

Southern California town voted best in the west by USA Today

This Southern California town is 'best in the West,' according to USA Today

California's Solvang named 'Best Small Town in the West' by USA Today. Here's why

Lots of people like a taste of Danish! Poll picks Solvang as 'Best Small Town in the West'

"Solvang has been named the best small town in the West for 2025."

The ***USA TODAY 10Best*** "news" of Solvang's 'win' as the #1 "Best Small Town in the West," and the announcement of Solvang's placement in the Top '5' in the "Best Small Town Food Scene" category, amassed numerous news stories – including stories about other top-placing locations that also mentioned Solvang as being on the winner lists.

*** A ***partial tracking*** of all the "10Best-related" media clips results in an ***unedited*** **publicity value of $798,600**, with **more than 1.9 Billion(!) in *combined* UVPM**, and **an audience reach** (*TV news, radio*) **of 297,110**.

SOLVANG
The Danish Capital of America

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

Posted: April 2025
Link to full story: https://www.travelandleisure.com/places-in-california-that-look-like-europe-11710014 *and on* AOL
***Combined* UVPM** (of all occurrences of article)**:** 606.3M
Est. Views (of this piece on ***T+L*** site, *only*): 26.9K
Unedited (combined) **"Publicity Value:"** $204,826
Social Engagements (of this piece on ***T+L*** site, *only*): 74

TRAVEL+ LEISURE
msn Aol. yahoo!life

These 8 Small Towns in California Look and Feel Just Like Europe—From a Danish Village to the Rocky Coastline of England

You can still have Euro summer without the expensive international plane ticket.

Solvang

- **Dupe for:** Denmark



Store-lined street in the town of Solvang, California.
Credit: Haizhan Zheng/Getty Images

Danish immigrants founded Solvang in 1911. They built a folk school and a church, printed Danish-language newspapers, and worked as dairy and crop farmers. Today, one of the oldest structures in town is the Bit O' Denmark restaurant, constructed in 1911. Pop in for an open-faced *frikadeller* (sliced meatball) sandwich or a plate of *flaeskesteg* (roast pork). The Elverhøj Museum of History and Art focuses on local Danish history and heritage and is well worth a visit. Plus, you can even view "Lulu," a wooden troll created by Thomas Dambo out of found objects like sticks, old pallets, and wine barrels, at the California Nature Art Museum.

When I bring my children to the area, we like to go windmill hunting. We stroll down Copenhagen Drive to see the Blue Windmill and then turn south on Alisal Road to see the grand Solvang Windmill. En route, we often snack on Danish pastries like *aebleskivers* (round pancakes filled with jam) or *Mazarin* cakes and roulades from Danish Mill Bakery.



Flowers in front of Solvang windmill in Solvang, California.
Credit: YaskoCreative/iStockphoto/Getty Images

(this was written by Chelsee Lowe, whom we hosted in Solvang in January)

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

The Mercury News
EAST BAY TIMES

10 charming California destinations that feel like Europe

If you can't take a European vacation, consider Solvang, Temecula or Catalina, Travel + Leisure writes

10 charming California destinations that feel like Europe

TRAVEL+ LEISURE

The April 2025 ***TRAVEL + LEISURE*** digital article, "**These 8 Small Towns in California Look and Feel Just Like Europe—From a Danish Village to the Rocky Coastline of England**," that prominently included Solvang, was picked up and repurposed by the Bay Area News Group in May. The amended listing and "new" article, now including 10 towns, spurred numerous new digital pieces.

******* A ***partial tracking*** of all the Bay Area News Group-derived media clips results in an ***unedited*** **publicity value of approximately $30,739**, with **more than 18 Million in *combined* UVPM**, and **an audience reach** (*print pieces*) **of 177,382**.



Flowers in front of Solvang windmill in Solvang, California.
Credit: YaskoCreative/iStockphoto/Getty Images

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

SFGATE

Demolition proposed for legendary Calif. roadside stop Pea Soup Andersen's

The landlord/developer relocated his family to the Santa Ynez Valley in 2021 and immediately started to invest in the area. In fact, a pair of large-scale developments are underway in downtown Solvang, courtesy of St. George. One major project, known as the Lilisod Hotel, located in the heart of Solvang at Alisal Road and Mission Drive, broke ground in December 2023, with construction still in progress, Solvang officials confirmed.

Posted: April 17, 2025
Links to full clips:
https://www.sfgate.com/centralcoast/article/pea-soup-andersens-development-20275987.php *and on* MSN
Combined UVPM: 991.1M
Est. Views (combined): 516.97K
Unedited (combined) **"Publicity Value:"** $37,463
Social Engagements: 214

"Mr. St. George is currently constructing a 9-unit cottage hotel that continues Solvang's rich Danish architectural traditions, featuring a charming European-style garden within the project's interior," Solvang planning manager Rafael Castillo wrote SFGATE on Tuesday. "He will soon begin construction on the adaptive re-use of the adjacent former bank building, transforming it into a new restaurant and market."

The second project, known as Denmarket Square, "will introduce residential units into long-vacant office spaces and provide a much-needed facade enhancement," Castillo continued. "The City of Solvang remains committed to working with Mr. St. George and other applicants to preserve and enhance the vibrancy of the historic Solvang Village."

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

11 Small Town Stays to Inspire Your Next California Road Trip

Solvang: The Hadsten

Located in the heart of the Danish Capital of America, in the Santa Ynez Valley, The Hadsten Solvang is in walking distance to the Village's Fab 5 Danish bakeries, Michelin recommended restaurants, wine tasting rooms, and unique little museums like one devoted to author Hans Christian Anderson. This recently renovated Tapestry collection hotel by Hilton makes an easy roadside stop or wine-tasting home base, with clean spacious rooms and a daily Happy Hour at their bar lounge with outdoor patio. A stay here includes a slew of 2-for-1 select tasting rooms in the vicinity.



(this was written by Melissa Curtin, whom we hosted in Solvang in February)

Posted: April 26, 2025
Link to full story: https://johnnyjet.com/11-small-town-stays-to-inspire-your-next-california-road-trip *and on* MSN
JohnnyJet.com UVPM: 58.4K (+ **MSN UVPM:** 960M)
Est. Views (of this piece on ***both*** sites): 485.4K
Unedited (combined) **"Publicity Value:"** $10,714

SOLVANG
The Danish Capital of America

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

Islands

These California Towns Bring Major European Vibes From French Villages To Tuscan Hillsides Santa Barbara's Spanish charm and the little town of Solvang



Posted: April 19, 2025
Link to full story: https://www.islands.com/1836030/california-town-major-european-vibe-french-village-tuscan-hillside
Islands.com UVPM: 3.59M
Est. Views (of this piece on their site): 27.9K

msn
Travel Bucketlist

12 American Destinations That Feel Surprisingly European

Posted: April 2025
Link to full story: on *MSN*
MSN UVPM: 960M
Unedited (combined, all instances) **"Publicity Value:"** $32,061

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

The 40 Most Charming Small-Town Downtowns in America

Solvang, California

Solvang, California, may have risen to fame thanks to the 2004 film, *Sideways*, but there's more to love about this small village in the Santa Ynez Valley than a wide assortment of wines. (Though yes, being home to more than 120 wineries is rather impressive.) Solvang was established in 1911 by Danes, which makes sense given the six charismatic windmills you'll see across this small town. You'll also find that Solvang is all about the most famous Dane of them all, the author Hans Christian Andersen. A town park and museum bear his name. There's also a massive bronze bust of a top hat-clad Andersen at **Solvang Park**.



Photo: Visit California

34 / 41

Posted: April 2025
Link to full story: https://www.hgtv.com/lifestyle/travel/charming-small-town-downtowns-pictures
Reported via multiple, subsequent stories (*combined digital UVPM*)**:** 54.5M
Unedited (combined) **"Publicity Value:"** $22,586

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*) – *The Kiss* Danish Film Screening (May 31) Event Clips**

Santa Barbara Independent — Reception, Discussion, and Screening Of Danish Film 'The Kiss' in Solvang

Sun — Elverhoj Museum screens Danish film The Kiss

Santa Ynez Valley News / Santa Maria Times — Elverhoj Museum hosts national screening of Danish film 'The Kiss'









Still image from the film 'The Kiss' | Photo: ©Christian_Geisnæs

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

SMALL MARKET MEETINGS

Meet California's Cultures

Solvang

Because of the temperate weather year-round, meeting groups can host events both indoors and out. The Elverhoj Museum of History and Art documents the history of Solvang, celebrates the city's Danish culture and the Danish-American immigrant experience. The gallery space can seat 60 people for film screenings or panel discussions, and the museum, which was a historic home, has a lawn in back for outdoor events of up to 100 guests.



Posted: May 1, 2025
Link to full article: https://smallmarketmeetings.com/articles/meet-californias-cultures
*(one excerpt from the **Solvang** section, pictured above)*

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

Solvang's Fourth of July festivities made the cover of the May 22, 2025, issue of the **Santa Maria SUN**, *and we had other events prominently included in the paper's annual Summer Guide.*

(Santa Maria SUN has a circulation of 12,000 papers weekly throughout northern Santa Barbara County to more than 53,000 residents, visitors, and college students, with controlled placement at 350 locations.)

Link to digital issue:
https://issuu.com/ntmg/docs/sun_may_22_2025?fr=sOTA1NDg1NjcwNTM
***Santa Maria SUN* website UVPM:** 14.3K
Social Engagements (*with digital article*): 27





- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

Los Angeles Times

11 coffee shops along the Santa Barbara coast for your next weekend road trip

MOTEL California

Good Seed Coffee Roasters

In a storybook town full of butter cookies and pancakes, Brad and Leyla Williams' Good Seed stands out with heritage grain sourdough breads, baked goods and coffee. Come for the cinnamon rolls and biscuits and stay for the coffee. Pair a cup with options from the Toast Bar, with a choice of semi-rye walnut or sourdough bread with vegan butter, pesto or whipped ricotta. Coffee is roasted in small batches locally in Santa Ynez. Brad's coffee knowledge includes a Q Grader certification, a designation that's analogous to the training to become a wine sommelier.

In May, Los Angeles Times *published an entire collection of California road trip-inspired travel content, some of which included mentions of Solvang and specific businesses in town, as well as spots in other Santa Ynez Valley villages.*
Posted: May 14, 2025, onward…
Link to full story(ies): https://www.latimes.com/food/list/best-coffee-shops-along-santa-barbara-coast-weekend-road-trip and https://www.latimes.com/travel/list/california-roadside-attractions-motels
LATimes.com UVPM: 43.6M
Est. Views (of the "Coffee Shop" piece on their site): 21.2K // **Social Engagements:** 135
***Unedited* "Publicity Value"** (combined, all instances – including syndication)**:** $272,636

Ostrichland USA, Solvang

yahoo!life

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*) – *June 14, 2025, SYV Pride Parade & Festival***

NOOZHAWK
THE FRESHEST NEWS IN SANTA BARBARA COUNTY

Santa Ynez Valley Pride Parade Brightens Downtown Solvang

Santa Ynez Valley Star

INCLUSIVITY, DIVERSITY CELEBRATED AT SYV PRIDE PARADE & FESTIVAL

NEWSBREAK

Santa Barbara Independent

SYV Pride Celebrates Pride Month with Various Inclusive and Fun Events

NEWSBREAK

KSBY

Sandcastle competitions, festivals, and art exhibits to fill your weekend

NEWS CHANNEL 12 3 11
TELEMUNDO COSTA CENTRAL

Congrats Grads and Yay Dads! Everything Happening this Weekend on the Central Coast

NEWSBREAK





The 2024 Santa Ynez Valley Pride Parade and Festival | Photo: Deborah Chadsey Photography

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*) – *June 14, 2025, SYV Pride Parade & Festival***

LOMPOC RECORD
Santa Ynez VALLEY NEWS
SANTA MARIA TIMES

Santa Ynez Valley Pride Parade celebrates diversity in full color



NEWS CHANNEL 12 3 11
TELEMUNDO COSTA CENTRAL



Segment Aired: June 15-16, 2025
Link to segment:
https://us.vocuspr.com/ViewNewsOnDemand.aspx?ArticleID=3043003_24679_498311472
Audience Reach: 8,916

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

We were able to secure this feature story about Coast Range's new chef-driven, non-alcoholic bar program in the JUNE / DRINKS issue of **805 Living Magazine**, *and similarly secured a story about the new NA drink program in the* **Santa Maria SUN**.

Santa Maria SUN has a *circulation of 12,000 papers weekly throughout northern Santa Barbara County to more than 53,000 residents, visitors, and college students, with controlled placement at 350 locations.*

Link to digital story in *Santa Maria SUN*:
https://www.santamariasun.com/food/coast-range-steakhouse-chef-and-owner-steven-fretz-introduces-nonalcoholic-drink-menu-16568094
***Santa Maria SUN* website UVPM:** 14.3K







805 Living Magazine *prints 25,000 copies 10x per year, with 100% pick-up rate, throughout four counties: Western Los Angeles, Ventura, Santa Barbara, and San Luis Obispo.*

Link to full digital issue: click here
***805 Living* digital edition page views per issue:** 41K

Sun

Coast Range steakhouse chef and owner Steven Fretz introduces nonalcoholic drink menu

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

You don't need a passport at these 7 U.S. destinations that feel just like an international vacation

Original article posted: June 1, 2025
Link to full article: https://familyvacationist.com/unique-us-family-vacations
Combined UVPM (*of original digital post + syndications*)**:** 117.6M
***Unedited* "Publicity Value"** (*combined, incl. most instances of syndication*)**:** $648,339

2. Solvang, California



Solvang is in California but feels like Denmark (Photo: Envato/Allegro_Sympatico)

Solvang, California



8 Educational Road Trip Ideas in the US for Families With Teens

Posted: June 19, 2025
Link to full article: https://www.newsbreak.com/cafemom-291109745/4060474855281-8-educational-road-trip-ideas-in-the-us-for-families-with-teens
NewsBreak.com UVPM: 14M // **Est. Views** (*of this post on their site*): 93.5K

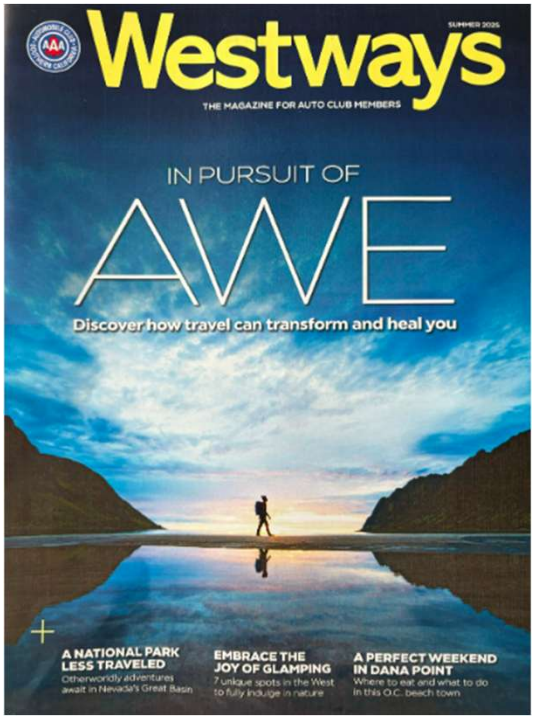
SOLVANG
The Danish Capital of America

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

Westways
THE MAGAZINE FOR AUTO CLUB MEMBERS

We were able to secure this story about California Nature Art Museum's Thomas Dambo Troll in the **SUMMER 2025** issue of ***Westways* Magazine**.

Westways has a circulation / audience of 4,900,000. The paid advertising equivalent of this ½-page space in the issue would be approximately $29,285.





GENTLE **GIANT**

Windmills, pastry shops, and fountains and sculptures inspired by Hans Christian Andersen have long greeted those visiting Solvang. But now the Danish-themed town has a new landmark: a massive troll named ***Lulu Hyggelig***.

Tucked into a tower in the California Nature Art Museum—and visible through windows on Solvang's main drag—*Lulu* was designed and built by popular Danish artist and recycling activist Thomas Dambo.

Dambo's whimsical trolls, which can be found in 17 countries, are made of discarded materials. *Lulu*'s long arms and legs, feathery scales, wild mane, and outstretched tongue are fashioned from disassembled wooden pallets, fallen trees, pine cones, and wine barrels from the region's vineyards. *Lulu* was built in just two weeks with the help of 50 volunteers.

Dambo's fans track his playful sculptures worldwide on trollmap.com, and *Lulu* is his first permanent installation in California. She's also the first to live indoors—where, at 35 feet outstretched, she appears to be busting out of her bright, cheery tower. *Adult museum admission, $5; closed Tuesdays and Wednesdays.* **STARSHINE ROSHELL**

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

The Mercury News
EAST BAY TIMES
Marin Independent Journal

Bay Area arts: 9 great shows and concerts to catch

From Mumford & Sons to giant forest trolls and classical music with a Spanish twist, there is a lot to see and do in the Bay Area this weekend and beyond.

Giant forest trolls are coming to the Peninsula in June

Danish "recycle artist" Thomas Dambo is hiding six huge troll sculptures at historic Filoli gardens.

Published / Posted: June 4 & 5, 2025
Links to full story(ies):
https://www.mercurynews.com/2025/06/05/bay-area-arts-9-great-shows-and-concerts-to-catch
and
https://www.mercurynews.com/2025/06/04/giant-trolls-thomas-dambo-south-bay-filoli-2025

(both articles included mention of the Thomas Dambo Troll at California Nature Art Museum, in sections about Thomas Dambo's new temporary Bay Area exhibit)

They're huge and hairy, have names like Ibbi Pip and Sofus Lotus and possibly eat humans. They're Giant Trolls, and they'll soon be coming to a forest near you.

On June 7, the exhibit "Trolls: Save the Humans" opens at the historic Filoli gardens in San Mateo County to run through early November. A half-dozen humongous creatures made of recycled materials like construction wood will take up residence among the redwood groves and meadow blooms. They're the work of Danish artist and dumpster diver Thomas Dambo, who has "hidden" his trolls in at least 17 countries including Ireland, Australia and China – there's even one skulking around in a nature museum in Solvang, California, called Lulu Hyggelig.

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

HOME STRATOSPHERE	*15 Small American Towns Celebrated for Their Unique Holiday Cheer* NEWSBREAK
msn	*Why These U.S. Cities Could See a Tourism Boost if Tariffs Raise Global Prices*
msn	*10 U.S. Destinations That Feel Like An International Escape*
msn	*The 30 best small towns in America*
La República	*Esta es la ciudad más tranquila de California: el escape ideal para los amantes de la naturaleza*
NEWSBREAK	*Wild, Weird, Underrated: Small Towns That Redefine California*
Aol.	*Best Weekend Getaways Near Los Angeles for a Quick Escape* NEWSBREAK
EL ESPAÑOL	*El pequeño pueblo de California de 6.100 habitantes que es mágico para una escapada de ensueño cerca de Los Ángeles*
yahoo!life	*Escape the City and Recharge With These Weekend Trips from LA*

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS**

European Destination Dupes

Posted: May 16, 2025
Link to full story: https://magazine.northeast.aaa.com/daily/travel/european-destination-dupes
Website's UVPM: 179.7K

Segment Aired: May 3, 2025 (*hosts chat about the USA TODAY 10Best 'wins'*)
Link to segment: https://us.vocuspr.com/ViewNewsOnDemand.aspx?ArticleID=3043003_24679_498056482
Audience Reach: 116.6K

American cities that look and feel like Europe

We've Tracked Down America's 36 Most Charming Main Streets – How Many Have You Visited?

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

Giant, gentle-hearted 'Trolls' have been spied among the redwoods (incl. mention of Solvang Troll)

15 Charming Storybook Towns Where Every Setting Tells a Story

¿No sabes qué hacer en las vacaciones? Aquí te mostramos opciones en el sur de California

5 Cheap Places To Retire That Feel Like a European Vacation

Cosa vedere in California: il meglio del Golden State

PRIDE 365: Southern California LGBTQIA+ events

El pueblo de estilo danés de California, con encanto europeo, panaderías y hasta molinos (Argentina)

Top 20 Scandinavian bakeries in the U.S., according to Yelp Elites (incl. Solvang Restaurant)

23 Hidden Gems Of The USA You Need to Visit Before They Become Too Popular

- ***APR | MAY | JUN 2025 Activities (recap, continued)***
  - **SAMPLING OF MEDIA HITS (*April through June*)**

HOME STRATOSPHERE — *16 Small Towns That Will Make You Feel Like You're in Europe Without Leaving the USA*

HOME STRATOSPHERE — *18 California Towns Where Investors Are Driving Home Prices Into the Stratosphere* NEWSBREAK

msn — *30 Towns That Haven't Changed in Decades*

msn — *30 Underrated Religious College Towns Across America You'll Fall in Love With* (*incl. Bethania Lutheran*)

the boutique adventurer — *41 Secret U.S. Vacation Spots Locals Want to Keep Hidden* msn

- ***APR | MAY | JUN 2025 Activities (recap, continued)***

Q2 2025 Press Releases and/or Content Creation

- **April 2025 "Solvang Brick & Builds" event follow-up**:
  - Distributed informal media emails serving as wrap-up of 2025 Solvang Brick & Builds event.
- **Solvang's 2025 *USA TODAY 10Best* 'Win(s)' announcement** (*also stored in shared Google doc*):
  - Creation / distribution of press release (+ marketing copy) to announce Solvang's 2025 'win(s)' in the *USA TODAY 10Best* Readers' Choice Awards ("*Best Small Town in the West,*" "*Best Small Town Food Scene*")
- **"What's New in Solvang" + Summer 2025 Events** (*draft copy being regularly updated*):
  - Gathering new Solvang business details, developments, or initiatives for press blast / marketing copy which is also being used for other marketing team efforts. Copy also includes summer Solvang event highlights.
- **May 31, 2025, Danish Film Screening Event at Elverhøj Museum** (*also stored in shared Google doc*):
  - Creation of press release (+ marketing copy) to announce May 31, 2025, Danish film screening event (*The Kiss*) at the Elverhøj Museum of History and Art. (*press release distribution was in early-May*)
- **June 2025 SYV Pride Events** (*also stored in shared Google doc, used for other marketing projects*):
  - Creation / distribution of press release (+ marketing copy) for SYV Pride June 2025 events.
- **ON THE SCHEDULE for LATE-JUNE into JULY:**
  - Creation and *beginning* distribution of preliminary press release (+ marketing copy) for **Solvang Julefest '25-'26** (*Nov / Dec / Jan 2026 event*). *Release / marketing copy resides in shared Google doc for team use*.
  - Press release distribution support, and marketing copy creation and maintenance, for **2025 Solvang Danish Days** festival (*September 19-21 event dates*).

Solvang Visitor Center Report

Q2* 2025

Prepared by Susan Lee, Managing Member, Solvang Hygge Huset LLC

(All information provided here is as of June 23, 2025, as this report was turned in early.)*

Q2 2025 Report:

At the Visitor Center, we collect information from guests when feasible and convenient. We inquire about their place of origin and how they became aware of Solvang. Additionally, we record other remarks, reasons for their visit, and group type (family, couple, friends, children, names, other).

Name/Group	Visiting From?	How did you hear about Solvang? / Other comments
April 2025		
2 Ladies	Argentina	Media, beautiful town!
Couple	New York	I was here as a kid in 1968 and wanted to come back
Mom & Son	Los Angeles	On Spring Break
Lady & Nephew	Hong Kong	I've always wanted to visit Solvang, and my nephew finally brought me!
Couple	Russia	Internet, Visit CA, "This is a beautiful little city"
Couple	Baltimore	I was here 30 years ago – Love it!
3 ladies (friends)	Philippines	Loved the folk dress, took lots of pictures with us
Family	Ventura	They have come to Solvang many times
Couple	Torrance	They have been here before
Family	Santa Barbara	Come to Solvang often
2 Friends	San Diego	Planning to come back for Danish Days
Couple	Canada	Driving through, nice stop on the way to Northern CA
Couple	Columbia	Came to Solvang on their Honeymoon! Friends told them they should come here.
Family	Ventura	I always like to visit Solvang, came on Spring Break
Man	Germany	Media, and his aunt lives in Los Angeles
Family	San Jose	First time visit, friends told them to come
Family	Orange County	A parent came as a child and now bringing their own family
Family	Belgium	Media and friends
2 Men	Hong Kong	Internet search on CA and Highway 1-driving places to see
Couple	Los Angeles	We hear about Solvang all the time. Came for a random Wednesday trip.
Family of 6	Israel	Mom had been here before; they were super excited to go try the mac 'n' cheese at Peasants Feast! Apparently, they had heard about it.

Family of 4	Aalborg, Denmark	"It's very fun to see much of what we love in Denmark right here! Very hyggelig"
Man	Yuma	Internet search
Couple	Oxnard	Heard from friends, it's my first visit
Family	Bay Area	Been here before, and we always come back
Couple	Australia	Media, love this cute town!
Couple	San Jose	We have been here many times
Family	Scotland	Originally from Greece, Beautiful town, reminds me of home, if I ever move to U.S. this is where I'm coming!
Group of 4	Latvia	Saw the article about "Best Town in the West." When they saw the article they added Solvang to their itinerary.
Couple	Iceland	Friends in Denmark, Loved the accordion Kirsten was playing and she let them play it too since they knew how.
Couple	New Zealand	Media, Stopped by on their way to San Francisco
Family	Orange County	Have been here before
Family of 4	France	Media
Family	San Francisco	Friends told them about Solvang
Couple	Las Vegas	2nd visit, been here many years ago and wanted to experience it again
Couple	France	Internet search on CA, wanted to see the Danish Capital of America
Couple	Brazil	Chat GPT! They said Chat GPT told them Solvang was one of the best places to visit in CA.
Couple	China	Internet search
Couple	Los Angeles	Everyone talks about Solvang- we came on the Amtrak Train and Bus
Couple	Bay Area	We visit at least once per year
Couple	Bay Area	Saw it on the map and wanted to come see this cute town
Family	China	Media, on our way to San Francisco
Mom & Son	Switzerland	Saw a book about Solvang, just here for a short visit, passing through
Couple	Holland	A friend told us to stop in Solvang
Couple	Los Angeles	First time visit right in Solvang; we used to always just stop at Pea Soup restaurant
Couple	Bay Area	Went to school at Cal Poly, came back for a visit, and visited LA, decided to stop in Solvang
Mother/Daughter	Los Angeles	I came to show my mom Solvang
Family	UK	Media
Group of Friends	France	Internet search
Couple	Las Vegas	A TV actor said she was from Solvang, so they wanted to come visit after an internet search
Lady	Germany	A friend told her to visit

Couple	Florida	Instagram! Working our way up to CA and Insta told us we had to come to Solvang
Couple	Romania	Love it!
Mother & Son	Southern Cal/Virgin Islands	Son has been here and brought his mom. She loves it.
May 2025		
Family	Denmark	Friends told them to visit
Lady	Poland	
Couple	New Jersey	Came to visit their son who is in college in San Luis Obispo, so they thought they would come to Solvang while here.
Couple	Orange County	Friends told them to come
Family	Mexico City	Social media
Couple	Holland	Saw Solvang in a magazine
Couple	Monterey	Word of mouth, wanted to come see the Danish town in our state
Couple	Vacaville	Word of mouth, been wanting to visit for years
2 Friends	Thailand	2nd visit, came 5 yrs ago, wanted to come back with my best friend, love it!
4 Friends	2 Colorado, 2 Utah	Word of mouth, we want to see everything, tell us what not to miss!
Couple	Los Angeles	First visit, we've always wanted to come
Couple	Argentina	Internet, social media
Couple	Netherlands	Friends told us to visit
Couple	Austria	Internet
Couple	Palmdale	Friends told us
Couple	Taiwan	A co-worker told me; 30 years I've been wanting to visit! Thanks to my boyfriend for bringing me, he made my wish come true!
Couple	Seattle	Came as a child, wanted to come back again
Older Couple	Hemet, CA	Friends love it! Asked for a picture with us and their dog named Penny so they could share it on Instagram.
Couple	Colorado	Internet, social media, they were excited to hear about Lulu the troll because they have seen one before
Couple	Connecticut	Internet search, they love the Danish black licorice
Couple	Alabama	Word of mouth- from a friend
Family	Israel	Friends- we love to travel
Couple	Los Angeles	Have been here before
Couple	Santa Barbara	Come to Solvang all the time
Couple	France	A friend
Couple	San Diego	I've been here before, and this time brought my girlfriend
Couple	Argentina	Internet
Family	San Diego	First time visit, our friends told us to come

Man	Germany	Internet search
Couple	Canada	
Family	Ventura	Been here before, brought my parents who are from London
Couple	San Diego	I brought my husband; he has Stage 4 cancer and Solvang has been on his bucket list. She shared with tears.
Family	Virginia	Internet
Couple	Australia	Friends told us
3 Ladies	Illinois	Saw a USA Today article, It's so cute here but it's also real! They loved the history of Solvang.
Father and Son	San Francisco	Social media, they said now they want to go visit Denmark
Couple	Michigan	Heard we have a Thomas Dambo Troll! They've seen one in MN and wanted to see ours.
June 2025		
Couple	Los Angeles	Friends, this is our first visit
Mom & Daughter	Canada	Internet
Couple	San Francisco	Friends, first time coming to Solvang
Family	Los Angeles	Family told us about Solvang
Couple	Denmark	Everyone in Denmark has heard of Solvang!
Couple w/new baby	Korea	Friends told us to visit Solvang when we go to CA
Mom & Son	Germany	Internet
Family	Santa Maria	Live 40 minutes away so we come to Solvang a lot
Lady	Washington State	Came to see the giant troll!
Couple	San Diego	They have been here before
Couple	Washington	I came as a kid and loved it so I brought my girlfriend this time
Man	England	Heard about Solvang from my friend
Group of Friends	Santa Barbara	
Couple	Bay Area	Family member told us about Solvang
Couple	San Diego	Friend
Family of 5	Chile	Staying in LA and everyone said to go to Solvang "The Great Danish Town"
Couple	South Dakota	Internet CA search, looking for some aebleskiver
Family	San Diego	Dad stationed at Camp Pendleton- We have Danish ancestry, so we love it here!
Family of 8	Chile	Internet, Loved the accordion, Mom plays the accordion, and she played in the VC
Lady	Watts	Friends told me, I finally made the trip, and I am loving it here!
Couple	Los Angeles	We always love Solvang!
Family	Hawaii	Family told us to come

Couple	San Diego	Word of mouth
2 ladies	Oxnard	
Lady	France	Travel book, I read about it and had to come!
Couple	Denmark	Friends, and we all know of Solvang in Denmark
Couple	Los Angeles	Dropped daughter at UCSB and decided to see Solvang
Family of 9	Germany	Love Solvang, loved the accordion, love the pastry!

Solvang Visitor Center Inquiries:

These are some of the questions we receive in the Visitor Center. We take note of some of the different ones we receive and some of the regular questions that guests ask.

Frequently asked:

- What are the things we must not miss seeing while in Solvang?
- Where are all the points of interest?
- Is parking free?
- How do we take the Trolley?
- Where do we buy Trolley tickets?
- Do you have a map of the city?
- Do you have a map of the wineries?
- Why does Solvang look like this?
- Where are all the windmills?
- Where are the restrooms?
- What is Danish food?
- What is the best bakery?
- Which is your favorite bakery?
- What can we do with kids?
- What is the history/story of this town?
- Where are the bakeries?
- When was Solvang founded?
- Where is a good place to ride our bikes?
- What is the weather going to be like?

Other Questions Asked this Quarter:

- Does the Solvang Trolley still have horses?
- Who has grass-fed meat in town?
- Why did the founders of Solvang move to the United States in the first place?

- Does Solvang, the word have a meaning?
- What is an actual authentic Danish pastry?
- Does Solvang really have Danish roots?
- Where can we feed the ostrich?
- Where can we find the great macaroni and cheese?
- Where can we ride a horse?
- What is sold at the Farmer's Market?
- What are the little yellow houses on the buildings?
- How many ancestors of the founding Danes still live here?
- What is there to do with young children?
- What percentage of your population is Danish?
- Why are there so many pretzel signs? (*Ha! This was a new one, great question*.)
- Are there any stores that have handmade crafts?
- Is The Little Mermaid statue an exact replica?
- How big is your Mermaid in comparison to the one in Denmark?
- Is it busy in Solvang during the summertime?
- Is the Mission closed in honor of The Pope?
- Are the magazines (Visitor Guide) free?
- Can you tell where we should go?
- Do you have a map of Santa Barbara?
- Do you have a map of California?
- How do we get to Santa Barbara?
- Why is it so foggy in the morning?
- Do you sell schnitzel?
- What are those round balls called again?
- Can we take a picture of you with your red hair?
- Is red hair Danish?
- Where is the Viking Museum?
- Where is the troll?
- Do you have a Solvang tip jar?
- How do we take the Amtrak bus and train to Los Angeles?
- I missed my bus! What should I do?
- Can you help me book my bus ticket; I don't know how to do it?
- Will the sun come out today?
- When will the sun come out today?
- When does the bus have a pick-up in Solvang?

- Is there a hop on, hop off bus?
- Is there an area where we can take a nice hike?
- We're new here and want to know what we should know?
- Where is the Farmer's Market and what time?
- Do you still have the Danish pastries here?

- Why are Danishes called "A Danish"? (ha!)
- Where can I get the Danish black licorice?
- Where can we get some chocolate?
- Who has the best ice cream?
- Where is the Dragon tail tower?
- Is there a map of the entire area?
- How can we visit a vineyard vs. just a tasting room?
- Where can we go apple picking?
- Do you have any monuments honoring Soren Kirkegaard?
- Why do you have Hans Christian Andersen and not Soren?
- Where can we buy a Cuckoo Clock?
- Is Danish the same as Holland?
- How many Thomas Dambo Trolls do we have in the United States?
- How many Danish bakeries are family owned and live in Solvang?
- How many people total live in Solvang?
- We are we right now?
- Who is playing in Music in the Park this year?
- What time will Music in the Park be?
- Where can we get real Danish food and what is the best?
- Where is the main or oldest windmill?
- What are Danish meatballs made of?
- How do you pronounce the 'o' in the Danish language?
- What do Danes call their folk costumes? Does it have a special name and is it the same as Norway?
- Why is there Hebrew written on the Round Tower? (These visitors thought maybe the Round Tower was a synagogue.)
- Where is the big red clog?
- What is the most popular area in town?
- What is the coolest airport to get a flight from San Diego?
- Wait! There were Danish Vikings?!!!
- What is the most famous bakery?

- Where is it? Answer: Where is what? Those little round things?
- Where can I go to see The Little Mermaid the best?
- Is there a tall hill where we can look down and see the whole town?
- Why has my water bill increased by $73.00?
- Do I live in Nyborg Estates?

- Is that Danish time on that clock? That is cute.
- When do the plays start at the theater?
- Is it cold at night at the plays? Should I bring a blanket?
- Is there a fee to get into Solvang?
- What does “Lego” mean?
- Where are the art galleries?
- Are windmills Danish?
- Do the windmills really work in Solvang?
- Can we go inside them?
- Do you have a local pharmacy right in town?
- Where can I get some aspirin and antacids?
- Do you have a local grocery store?
- Where can I get soft serve ice cream?
- Are there any wineries that serve full lunch/supper menu?
- Is there any place with live music tonight?
- Where do we buy the tickets for the play?
- What time does the box office open?
- Where is your official Solvang sign to take a picture by? We saw the one on the wall outside but it’s too brown. We want the one with the colors on it.
- Where can I get a mimosa and some bacon?
- Does the Solvang map show ALL the wineries?
- Does Solvang do anything for the 4th of July?
- Can you give me some suggestions of where I can propose to my girlfriend in Solvang next week? Maybe somewhere outdoors, where it could be a little isolated or quieter?
- Can we park on the street? Or are there a bunch of parking restrictions here?
- Where can I buy a windmill for my garden?
- Where can I buy a delicious pretzel?
- Are there any other Dambo Trolls built in California?
- Who has the best cake?
- Is the Pea Soup place really going to be knocked down?

- What are those buildings on that one corner going to be? They look like the houses for the three little pigs with that thatching! (ha)

Total Anniversary Buttons given out: 41

Total Birthday Buttons given out: 44

Boxes of Chamber maps for May and as of June 23rd: 23

These maps are available outside and inside the Visitor Center, on the counter, given directly to guests, and occasionally on the Trolley during tours.

A few extra things we do or have done to be difference-makers for our guests:

Lost and found items are brought to the Visitor Center, and we strive to return them to their owners. Community Service Officer Jennifer Calbillo has been instrumental in assisting us with this task, and we greatly appreciate her efforts. Jennifer is a difference maker.

We offer Solvang Bear Hugs to those who need a boost. These are our soft, SolvangUSA.com branded plush bears.

We offer Mermaid stickers and other decorative stickers to keep kids entertained while they wait.

Kirsten and Dean entertain with accordion music. In June, they were asked in the Visitor Center to wear their Danish folk dress and come play for a private Danish party. They did so free of charge.

We offer birthday buttons and anniversary buttons and occasionally sing to those who are celebrating.

We decorate for the holidays and other special occasions.

For the SYV Pride event day, a bowl of rainbow lollipops was placed on the counter for visitors seeking a sweet treat while in the Visitor Center.

We now have a "Viking treasure box" with fun items to offer guests, as is appropriate.

CITY COUNCIL STAFF REPORT

AGENDA ITEM 6.f

Meeting Date: July 14, 2025

SUBJECT: **Receive and file Solvang Council Goals 2024/26 Fourth Update**

PREPARED BY: Randy Murphy, City Manager

DISCUSSION:
As has been previously discussed, Council held a workshop in March 2024 and identified a list of 33 community goals. These goals were discussed during the subsequent budget process and Council identified the first sixteen as priorities during the subsequent biennial budget cycle. By way of reminder, many of the goals were not expected to be achieved within that timeframe. However, they are intended to help keep staff focused on areas that Council has determined to be most important.

Please note that all goals remain as originally approved by Council at the workshop. So, although Goal #17 still suggests that Lot 72 might be developed as a site for workforce housing, subsequent discussions by Council have removed it from consideration.

ALTERNATIVES:
None.

FISCAL IMPACT:
None.

ATTACHMENTS:
A. Update #4 to Solvang City Council Goals 2024/2026

1. **Analyze all parking improvement opportunities to relieve congestion and financial options. – Public Works/Planning**
   Funds budgeted to provide services related to off-site parking at the Mission and other locations. Recent discussions with Caltrans officials suggest options to channelize pedestrian movements on Mission may be attainable in the not-too-distant future. More to come.

   The City had a meeting on July 2, 2025 with Caltrans to discuss the following priorities:
   - Protected Left turn at Fifth St. (north bound) & Mission Dr. Intersection
   - Protected Left Turn at Alisal Rd. (south bound) & Mission Dr. Intersection
   - Restricted pedestrian crossings along Mission Dr. to intersection and possibly 2 mid-block RRFBs synchronized with traffic signals (Fifth, Atterdag, and Alisal).
   - Traffic Signal at Skytt Mesa Dr.

2. **Analyze limited uses in the Urban Growth Boundary for affordable and work force housing to meet State Law and community needs. – Planning**
   City staff will be preparing an item later this year to discuss the UGB and options the City Council has regarding the municipal code and potential analysis to remove, modify, etc. for water security, emergency ingress/egress, and potential future housing locations.

3. **Identify all existing opportunities for affordable housing in TRC especially from "walkable" locations. – Planning**
   Staff continues to explore options related to recent changes in the City's zoning ordinances that will allow conversions of single-use commercial properties into multi-use.

4. **Pursue Solvang becoming a regional Wastewater Treatment Provider. – Utilities**
   Staff has had recent conversations with LOCSD regarding their interest in the City treating its waste disposal. They are currently working on a proposed Agreement that will further define each Agency's roles and related costs.

5. **Start process to update outdated codes and ordinances. – Planning**
   The City Council has adopted a major overhaul of the City's Zoning Ordinance that went into effect January 8, 2025. City staff has identified additional work efforts that need to be completed in 2025. Those include amendments to the Sign Ordinance and Subdivision Ordinance, as well as landscaping, lighting, and fencing amendments. City staff will also have to codify the 2025 California Building Code (CBC) by Fall of 2025. – No changes

6. **Analyze means to improve police response and enforcement including private security, technology, and increased Sheriff services. – City Manager**
   Contract to award video surveillance services on July 14 agenda. Other improvements are still being sought.

7. **Assess opportunities and financing to improve traffic, pedestrian, and bicycle circulation in general and especially on SR 246. – Planning/Public Works**
   This is included as part of Goal # 1.

   We were not awarded the Caltrans Sustainable Transportation Planning Grants Application for the Mission Drive Operations Study. We have a debrief scheduled for August with Caltrans to go over the City's application.

8. **Develop more local events to broaden and even out tourism activities. – Marketing**
   In addition to previously mentioned events, staff added the promotion of *The Kiss* (a film production by Danish producer) in May at the Elverhøj that brough a different clientele to town and gathered locals and community leaders. Also, working with the Solvang Chamber to support Music in the Park and bringing the Jr Entrepreneur Fair to the park during concert July 30. And exploring a 50th

Anniversary for sister city Aalborg event and a J-day celebration (first Friday of November) – All Saints holiday (a festive Danish Holiday).

9. **Assess opportunities to support and use local organizations more effectively to meet community needs and volunteers. – Marketing**
   Staff continues to work with National Charity League, local schools, Boy Scouts, California Conservation Corp, etc for volunteer services for events or projects. (California Conservation Corp is a paid service but they offered a total of 10 days of free work through a grant this year). Marketing and Parks and Rec teams are also helping local events such as 4th of July, Danish Days, etc. to spread the word for volunteer opportunities through our social channels.

10. **Streamline the entitlement and building process make it easier for residents and businesses to improve their property. – Planning**
    The new Zoning Ordinance allows for more "by right" projects through the creation of a zoning ordinance process. City staff has established time frames for building permits and has taken over permitting functions and is now issuing permits 5 days a week and has completed a transition to accept all digital submittals. City staff has completed Planning Application checklists and Building Permit Checklists which are now available on our website. City staff has revamped its permitting systems and is now tracking metrics to ensure timely reviews of building permits to meet established building permit turnaround times. Building Permit turnaround times have fallen to between 20 and 25 business days for major construction projects, less than 10 business days for minor permits and less than 24 hours for over-the-counter permits. – No changes

11. **Evaluate market potential for expanding business meetings, retreats, and boutique conferences. – Marketing**
    Candice just attended IPW in Chicago working with Buellton and Visit SYV to bring tour groups, meetings, conferences, etc. to Solvang.

12. **Explore BID to support downtown in a manner that would have Chamber support. – City Manager**
    Discussions have been had with a consultant as well as the Chamber.

13. **Analyze increased water storage and/or supply with additional and/or larger reservoirs and development of injection wells for ground water storage for drought years independently or with other water purveyors. – Utilities**
    The City is currently working on development of HCA middle well. Part of this development is exploring the possibility of using this well as an injection well for groundwater storage. The City is also exploring grant opportunities for expansion of storage at Reservoir 3 site.

14. **Assess Library needs, opportunities, and funding. – Administration**
    Staff has discussed library expansion/relocation options with Goleta and Friends of the Library. Additionally, the contract for library services with the City of Goleta was just renewed.

15. **Assess regional opportunities on use and development of water infrastructure. – Utilities**
    Need further clarification from Council on what water infrastructure we are seeking to develop in cooperation with other surrounding agencies. Some ideas could be interties with City of Buellton, seeking to develop wells outside of City limits and delivering water through interties with neighboring agencies.

16. **Analyze feasibility to reuse wastewater either as reclaimed wastewater, enhanced treatment for well injection or as direct potable water. – Utilities (combine w 15)**
    This will be a continual effort, as we work towards construction and completion of the expansion and upgrades at the WWTP. Staff will continue to seek grant opportunities or other options for reuse of treated wastewater.

Council directed staff to work on the top 16 for FYs 24/5 to 25/6. Other goals that were identified during the process but not currently in focus:

17. **Evaluate feasibility of workforce housing opportunities with Alisal Ranch and Lot 72. – Planning**
18. **Assess opportunities to make existing transit more effective in the overall transportation needs of the community. – Public Works**
19. **Evaluate the opportunities to improve overall public safety services. – City Manager (combine w 6)**
20. **Develop a Danish Heritage Master Plan. – Planning**

21. **Assess the ability to expand and diversify commerce and industry to augment tourism dependent revenues. – City Manager**
22. **Analyze community meeting space needs and methods of achieving those needs with existing and additional facilities. – City Manager (combine w 11)**
23. **Develop a long-term infrastructure Maintenance Master Plan. – Public Works**
24. **Explore means to minimize the adverse impacts of tourism on the quality of life of the residents. – Marketing**
25. **Develop a five-year marketing plan for tourism and other business opportunities for a more sustainable and less volatile revenue base. – Marketing**
26. **Analyze the opportunities for broader business development. – Planning (combine w 21)**
27. **Develop options for meeting the cities' administrative and operational needs. – Administration**
28. **Develop a long-term infrastructure and funding plan. – Finance**
29. **Evaluate the Senior Service programs long term needs. – Administration**
30. **Update sign codes and home occupation ordinances. – Planning**
31. **Consider establishing mid-range housing requirements. – Planning**
32. **Develop strategy to reduce or eliminate PERS liability. – City Manager**
33. **Assess community outreach programs. – City Manager**

SANTA BARBARA COUNTY
CIVIL GRAND JURY



2024-2025

CONSOLIDATED REPORT

Representing the citizens of Santa Barbara County by investigating, evaluating, and reporting on the actions of local governments and special districts

2024-2025 SANTA BARBARA COUNTY
CIVIL GRAND JURY

CONSOLIDATED REPORT

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SANTA BARBARA COUNTY COURTHOUSE
GRAND JURY CHAMBER
1100 ANACAPA STREET
SANTA BARBARA, CALIFORNIA 93101
(805) 568-3301
sbcgj@sbcourts.org

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County Courthouse
1100 Anacapa Street
Santa Barbara, CA 93101



805 568-2291
sbcgj@sbcourts.org
http://www.sbcgj.org

Grand Jury
Santa Barbara County

June 30, 2025

The Honorable Patricia Kelly
Presiding Judge, Santa Barbara County Superior Court
312 E. Cook Street
Santa Maria, CA 93454

Dear Presiding Judge Kelly:

The 2024-25 Santa Barbara County Grand Jury hereby delivers its annual Consolidated Report. The Consolidated Report reproduces in serial order the 12 distinct investigative reports we have issued during the year and also includes an essay that summarizes the Jury's additional public activities. I am proud to submit this comprehensive overview of our efforts on behalf of the citizens of Santa Barbara County.

While no one on the Jury is allowed to reveal the substance of our private deliberations, I wish to share some observations from a process perspective that illustrate the character and commitment of my colleagues on this panel. During this term, behind closed doors I have observed Jurors collaborate effectively, advocate passionately, compromise appropriately, indulge others patiently, persist diligently, and sacrifice their time and efforts generously. Grand Jury service is not motivated by personal gain or glory; it is the epitome of selfless community service. The Jury's shared values, goals, and dedication are the impetus that has driven us to our accomplishments. This Consolidated Report distills them for the community.

Our work benefitted tremendously not only from our Jurors' central contributions, but also from the support of outstanding court staff who are highly motivated, efficient, and proud to work on the team led by Court Executive Officer Darrel Parker. The Jury thanks each and every one of them who have contributed meaningfully to our achievements, as well as Mr. Parker for his effective leadership and always helpful guidance.

Grand Jury legal procedures are complex and unique. A jury could not function effectively in this realm without extensive legal consultation and advice. Senior Deputy County Counsel Michael Muñoz devoted countless hours to assist us, many during evenings and on weekends whenever sensitive issues emerged unexpectedly. Mr. Muñoz consistently shared relevant knowledge that enhanced our investigations and helped to guide us toward more effective outcomes as we probed a broad range of community concerns during our term. We are most grateful for his many contributions to our efforts.

Finally, I wish to thank former Presiding Judge Pauline Maxwell, who impaneled this Jury and guided it for the first half of our term; as well as yourself for your consistent support of the Grand Jury and your diligent review of our reports during the second half of our term.

The Santa Barbara County Grand Jury was a hallowed institution before this year's Jurors set foot inside its chambers. We have done our best to maintain and enhance its reputation and stature as a unique community asset. As our term reaches a close, we convey best wishes to those who will follow us and share our gratitude for the opportunity to serve. This Jury departs with optimism that the findings and recommendations of its investigations may serve to make this wonderful County an even better place in which to live.

Respectfully yours,



Dale Kunkel
Foreperson

INTRODUCTION TO THE SANTA BARBARA COUNTY GRAND JURY



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MISSION

“The Santa Barbara County Civil Grand Jury is dedicated to serving as an independent and impartial watchdog, promoting accountability and transparency in local government. Through thorough investigations and thoughtful recommendations, we strive to identify opportunities for improving the efficiency, effectiveness, and responsiveness of public agencies in serving the needs of all Santa Barbara County residents. By fostering a culture of civic engagement and good governance, we aim to strengthen public trust and enhance the overall quality of life in our community.”

VISION

"To be the trusted guardian of good governance and community wellbeing in Santa Barbara County, empowering residents through independent oversight, transparent reporting, and collaborative partnerships that drive continuous improvement in public services and strengthen the bond between the community and its government. Guided by the vision of 'One County, One Future', we strive to ensure that Santa Barbara's government and public institutions work together seamlessly to create a vibrant, prosperous, and equitable future for all."



2024 - 2025

SANTA BARBARA COUNTY CIVIL GRAND JURY

MEMBERS

DARREN L. BROWN* - ORCUTT

RYAN M. BROWN - SANTA BARBARA

BRIAN COX - SANTA BARBARA

KENT W. DUNN - SANTA BARBARA

JEFFREY LONG - SANTA BARBARA

JOHN RICHARDS* - ORCUTT

ANNIE SANCEDO - SANTA BARBARA

KIETH STAUB - SANTA BARBARA

DR. KEN WAXMAN - SANTA BARBARA

ROBERT WHITTIER - ORCUTT

REYNALDO YBARRA - GOLETA

EXECUTIVE COMMITTEE OFFICERS

DALE KUNKEL - SANTA BARBARA
FOREPERSON

GWEN RIGBY* - SANTA BARBARA
PRO-TEM

MARCIA GREEN - SANTA BARBARA
TREASURER

SUNANDA BHARGAVA - SANTA BARBARA
CORRESPONDING SECRETARY

JACQUELINE ANKER - SANTA BARBARA
RECORDING SECRETARY

DAN VORDALE - LOMPOC
SPEAKER COORDINATOR

CARLYLE DECKER - SANTA BARBARA
IT COORDINATOR

*DENOTES HOLDOVER JUROR





2024-2025

Jury Photo

Special Thanks to Kelly West of
Kelly West Photography

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A UNIQUE OPPORTUNITY FOR CIVIC ENGAGEMENT

Summary of 2024-2025 Civil Grand Jury Activities

Serving on the Santa Barbara County Civil Grand Jury is a unique opportunity to engage deeply with local government and contribute to the public good. While the role is primarily voluntary, with a modest daily stipend and mileage reimbursement, the experience offers invaluable rewards to those who serve. One of the most significant benefits is the unparalleled access to the inner workings of local government. In that sense, the Grand Jury is much like a practical and immersive civics lesson for those who serve.

Throughout the past year, the Grand Jury benefited from presentations by a wide array of public officials and community leaders. These interactions not only inform the Grand Jury's work but also help build a comprehensive understanding of the challenges and priorities faced by the County. Elected officials, department heads, and other key figures shared their expertise and insights, fostering open communication and transparency. This exchange of information allowed the jury to ask critical questions, clarify processes, and ultimately make well-informed recommendations in the reports included herewith.

The educational experience of serving as a grand juror is a meaningful opportunity. Each jury leaves its term with a deeper appreciation for public service, a stronger grasp of local governance, and the satisfaction of having contributed to the community.

This year, the Grand Jury had the privilege of meeting with numerous officials, whose contributions were vital to its understanding and deliberations. The following list highlights the individuals who spoke to the jury as invited guests in a non-investigatory environment. It is a longstanding tradition state-wide that grand juries invite leading community officials to share knowledge and opinions about local concerns to help ground the Grand Jury's activities and efforts throughout the year. The list also provides a transparent view and an account of some of the non-investigatory time spent by the 2024-2025 Grand Jury.

The members of the Grand Jury wish to thank the following individuals:

- The Honorable Pauline Maxwell, Presiding Judge, Santa Barbara County Superior Court 2022-2024
- The Honorable Patricia Kelly, Presiding Judge, Santa Barbara County Superior Court 2025-2027
- Mark Infanti, Mayor, City of Solvang
- La Mer Kylie-Griffiths, Assistant Public Defender, Santa Barbara County Public Defender's Office
- Jarrett Morris, Lieutenant & Sheriff's Adjutant, Santa Barbara County Sheriff's Office
- Raquel Zick, Public Information Officer, Santa Barbara County Sheriff's Office

- Lisa Plowman, Director of Planning and Development, County of Santa Barbara
- John Savrnoch, District Attorney, County of Santa Barbara
- Bill Brown, Sheriff-Coroner, County of Santa Barbara, Santa Barbara County Sheriff's Office
- Laura Capps, Chair of the Board of Supervisors representing the 2nd District
- Joan Hartmann, Santa Barbara County Supervisor representing the 3rd District
- Bob Nelson, Santa Barbara County Supervisor representing the 4th District
- Darrel Parker, Court Executive Officer & Jury Commissioner, Superior Court of Santa Barbara County
- Holly Benton, Chief Probation Officer, County of Santa Barbara Probation Department
- Michael Muñoz, Deputy County Counsel, County of Santa Barbara, Grand Jury Legal Advisor
- Kelly Gordon, Chief of Police, Santa Barbara City Police Department
- Dr. Susan Salcido, Superintendent, Santa Barbara County Schools
- Kelly McAdoo, City Administrator, City of Santa Barbara
- Daniel Nielson, Director, Santa Barbara County Social Services
- Chris Chirgwin, Chief Information Officer, County of Santa Barbara
- Michael Prater, Executive Director, Santa Barbara Local Agency Formation Commission
- Tanja Heitman, Assistant County Executive Officer, Santa Barbara County Executive Office
- David Silva, Mayor, City of Buellton
- Mark Hartwig, Fire Chief, Santa Barbara County Fire Department

Proclamation

In a special session that underscored the profound and sometimes unforeseen duties of protecting our civic institutions, the Santa Barbara County Civil Grand Jury took the rare step of issuing a public proclamation to honor a moment of exceptional bravery. On November 7, 2024, in a ceremony held in the Jury Assembly Room in Santa Maria, the Grand Jury presented a Proclamation of Heroic Bravery to Mr. Steve Neil, a security guard whose quick thinking and courageous actions prevented a greater tragedy at the Santa Maria Superior Courthouse. This honor is one the Grand Jury bestows only on rare occasions, reserved for citizens who demonstrate extraordinary service to the community. The commendation followed a harrowing incident on September 25, 2024, when an individual threw a backpack containing a homemade explosive device into the courthouse lobby. The subsequent detonation injured five people. As the assailant fled toward his vehicle, where he had stored additional weapons for a larger planned attack, Mr. Neil, a guard with Triumph Security, took immediate action. Without hesitation, he



pursued the suspect, successfully subduing and detaining him until law enforcement officers arrived. His decisive intervention in the face of extreme peril undoubtedly saved lives and protected the sanctity of the court.

In recognizing Mr. Neil, the Grand Jury acknowledged an act that went far beyond the expected duties of his post. Grand Jury Foreperson Dale Kunkel stated, “Mr. Steve Neil placed himself at great peril to protect others, and to defend the Santa Barbara County Superior Court, the institution that is the home of the Grand Jury. We honor and applaud him for his heroic action that saved lives.” The ceremony served not only to commend a single heroic act but also to highlight the vital role that dedicated individuals play in ensuring the safety and security of the public spaces central to our justice system. The Grand Jury felt it was imperative to publicly share its praise and appreciation for Mr. Neil's selfless courage.



Grand Jury

Santa Barbara County

Proclamation

HONORING THE HEROIC BRAVERY OF

STEVE NEIL

Whereas: on September 25, 2024, a dangerous incident occurred at the Santa Maria Courthouse, where an explosive device was detonated; and

Whereas: this attack was premeditated by an individual who further intended to cause widespread harm, evidenced by his possession of weapons, ammunition, Molotov cocktails and other explosive devices; and

Whereas: in the face of imminent danger, Steve Neil a dedicated Court Security Officer with Triumph Protection Group demonstrated extraordinary courage and quick thinking by taking decisive action that prevented the bombing suspect from fleeing the scene; and

Whereas: Steve's actions not only ensured the safety of those present but also exemplified the highest ideals of selfless public service and heroism; and

Whereas: his commitment to the safety and well-being of our community reflects the values we hold dear in Santa Barbara County; and

Whereas: the Santa Barbara County Civil Grand Jury recognizes the importance of honoring individuals who act selflessly in the face of peril;

Now, Therefore, be it Resolved, that the 2024-2025 Santa Barbara County Civil Grand Jury, on behalf of a grateful County, extends our deepest appreciation with utmost admiration to Steve Neil and wish him continued success in all his future endeavors.

Be it Further Resolved, that this proclamation serves as a testament to his bravery and dedication to public safety, inspiring others in our community to uphold these values.

Passed and Accepted by the Plenary, Santa Barbara County Civil Grand Jury, State of California this 7th day of November 2024, by an acknowledged motion and unanimous vote by all members present.

Attest: _____

Dale Kunkel, Foreperson

Denise El-Amin - Jacqueline Anker - Sunanda Bhargava - Darren Brown
Ryan Brown - Brian Cox - Carlyle Decker - Kent Dunn - Marcia Green
Jeffrey Long - John Richards - Gwen Rigby - Annie Sancedo- Daniel Vordale
- Dr. Kenneth Waxman - Robert Whittier - Reynaldo Ybarra- Keith Staub

Tour – Public Safety Training Complex, Allan Hancock College, Lompoc, CA

This year, the Grand Jury had the unique opportunity to tour the Public Safety Training Complex (PSTC) at Allan Hancock College in Lompoc. Spanning 68 acres, this state-of-the-art facility is a premier training site for programs in Administration of Justice, Emergency Medical Services, Fire Technology, Law Enforcement, and Wildland Fire Technology. The tour provided Jurors with a firsthand look at the cutting-edge resources and rigorous training environments that prepare public safety professionals to serve the community. Such visits deepen



the Jury's understanding of essential county operations, and the investments made in public safety and emergency preparedness.

The Jury's decision to visit the PSTC was based on the fact that several agencies in Santa Barbara County rely on the PSTC to train their employees. These include local law enforcement agencies such as the Santa Barbara County Sheriff's Office and municipal police departments, including those in Santa Barbara, Lompoc and Santa Maria. Fire departments, including city and county fire agencies utilize the facility for Fire Technology and Wildland Fire Technology training. Additionally, Emergency Medical Services (EMS) providers, including ambulance services and public health departments, benefit from the complex's resources. The facility also supports training for probation officers, corrections personnel and other public safety roles, ensuring that employees across the County are equipped with the skills and knowledge necessary to serve and protect their communities effectively.



In the last 12 twelve months, 36 graduates from the Public Safety Training Complex joined the Santa Barbara County Sheriff's Office. Of the new hires, 31 were assigned to work as Custody Deputies helping to fill consistent shortages within the department. The remaining five Deputies who received law enforcement officer training were assigned to Patrol Operations.

Tour – Santa Barbara County Historic Courthouse

The Grand Jury also participated in a special docent-led tour of the Historic Santa Barbara County Courthouse. Renowned for its stunning architecture and rich history, the County Courthouse serves not only as a symbol of justice but also as the location of the Grand Jury chamber where the Jury performs the bulk of its work. This provides a secure and confidential space for deliberations and plenary meetings. The tour offered Jurors a deeper appreciation of the County Courthouse's historical significance while underscoring its vital role in supporting the Jury's responsibilities.





Touring the entire Courthouse enriched our understanding of the role of grand juror by connecting us to the historical and institutional significance of our work. Walking through the courthouse's storied halls and learning about its architectural and civic legacy underscored the gravity and responsibility of our duties aligning us with our mission and vision. Having privileged access to the Grand Jury Chamber where we deliberate, analyze findings, and hold plenary meetings reinforces the importance of our contributions to government oversight and accountability. The experience has fostered a deeper sense of pride and purpose among the members, highlighting our place in the broader continuum of civic service and justice. Special thanks and acknowledgment to Georgia Gates Derr, Group Tours Coordinator, Santa Barbara County Courthouse Docent Council for her generous time guiding the tour.

Election Observation

During the November 2024 General Election cycle, select members of the Grand Jury served as election observers for the Santa Barbara County Election Division, providing an invaluable civic service rooted in transparency and accountability. Their role encompassed observing the full spectrum of election activities, from the opening and closing procedures at polling sites to the meticulous processes at the central counting site. Jurors carefully monitored election-related activities, made detailed notes, and gathered information from the precinct index, ensuring adherence to proper protocols. They also observed the canvass of vote activities following the election, as well as the processing of vote-by-mail and provisional ballots. While maintaining a respectful, non-intrusive presence, jurors engaged with poll workers, voters, and supervisors, asking questions to deepen their understanding of the proceedings without interfering with the conduct of the election. This hands-on experience reinforced the Grand Jurors' commitment to ensuring integrity in public processes and also enriched the Jurors' insight into the democratic systems that underpin local governance.

Elector Group	Counting Group	Cards Cast	Voters Cast	Registered Voters	Turnout
Total					
	Poll	25,159	25,159		10.27%
	Mail	162,717	162,717		66.43%
	Total	187,876	187,876	244,943	76.70%

Certified Election Results

Santa Barbara County Coroner's Bureau

As part of our year-long commitment to understanding the critical functions of County operations, this Jury followed the previous Grand Jury and participated in an enlightening tour of the Santa

Barbara County Coroner's Office. This specialized department, part of the Santa Barbara County Sheriff's Office, plays a vital role in determining the time and cause of death, particularly in cases of sudden or unexpected fatalities. Jurors gained insight into the meticulous processes involved in identifying deceased individuals, notifying next of kin, and returning personal belongings to grieving families. Jurors learned how the Coroner's Office maintains detailed death records that serve a variety of critical purposes, from supporting criminal investigations to resolving insurance claims and monitoring public health trends. The tour provided a profound understanding of the Office's responsibilities and its essential contributions to public safety, justice, and community well-being.



Tour – Santa Barbara County Main Jail and Northern Branch Jail

During the year, the Grand Jury also undertook visits to both the Northern Branch Jail and the Santa Barbara County Main Jail as mandated by California Penal Code Section 919(b) which requires the Grand Jury to "inquire into the condition and management of the public prisons" within the County. Each tour offered a stark look at the complexities of incarceration within the county. At the Northern Branch Jail, jurors observed the modern design and intended operational model, which aims to provide a more direct supervision environment with increased access to medical, mental health, educational, and vocational services. This contrasted with our visit to the Santa Barbara County Main Jail, an older facility that has faced challenges related to



overcrowding, infrastructure, and the provision of adequate healthcare services. These visits provided us with a comprehensive view of the County's correctional system, highlighting both the progress made in modernizing facilities and the ongoing need to address systemic issues impacting inmate well-being and rehabilitation.

Through these tours, we gained a deeper understanding of the physical and operational realities of the county's jail system, including the challenges of providing adequate medical and mental health care, managing overcrowding, and ensuring the safety and security of both inmates and staff. The insights gleaned from these visits helped to inform us during our deliberations leading to findings and recommendations regarding the management and improvement of correctional facilities within Santa Barbara County.

Tour – Susan J. Gionfriddo Juvenile Justice Center – Santa Maria



In order to better understand the county's justice system, the Grand Jury toured the Susan J. Gionfriddo Juvenile Justice Center located in Santa Maria. This facility plays a critical role in rehabilitating and supporting at-risk youth while ensuring public safety. During the visit, jurors observed the Center's operations, including its secure housing units, educational programs, and counseling services designed to address the unique needs of juveniles in the justice system. Staff members provided an overview of the center's rehabilitative approach, which emphasizes accountability, skill-building, and the development of positive behavioral patterns to help youth reintegrate into the community. Jurors also learned about the challenges faced by the Center, including resource limitations and the complexities of addressing mental health issues among its youth. The visit offered valuable insight into the county's efforts to balance rehabilitation and accountability, underscoring the importance of early intervention in fostering long-term success for young people.

Tour – Charles Meyer Desalination Plant and the Corona Del Mar Treatment Plant



The Grand Jury conducted insightful tours of two pivotal facilities that play a critical role in maintaining the water security of Santa Barbara County: The Charles Meyer Desalination Plant in Santa Barbara and the Corona del Mar Water Treatment Plant in Goleta. At the Charles Meyer Desalination Plant, jurors

observed the cutting-edge reverse osmosis technology that transforms seawater into potable water, a process vital to ensuring the region's resilience against drought and climate variability. Serving as a key component of Santa Barbara's water supply, the plant is capable of providing up to 30% of the city's water needs during times of scarcity. The tour emphasized the plant's operational intricacies, environmental considerations such as energy efficiency, and its importance in complementing other local water sources.



At the Corona del Mar Water Treatment Plant in Goleta, jurors explored the facility's role in producing safe, high-quality drinking water for the region. The plant, which processes water from Lake Cachuma, employs advanced filtration and disinfection methods to meet stringent state and federal water quality standards. The tour provided a comprehensive overview of how the plant integrates with the broader water distribution system, ensuring reliable service to residents and businesses in Goleta and surrounding communities. Jurors also learned about the challenges of maintaining infrastructure, adapting to regulatory changes, and planning for future demand amid ongoing water supply uncertainties.

These visits offered the Grand Jury a deeper understanding of the region's multifaceted water management strategies and highlighted the importance of investing in infrastructure to ensure the long-term sustainability and reliability of Santa Barbara County's water supply.

Conclusion

Drawing from these comprehensive tours and experiences throughout the year, the Grand Jury gained an invaluable understanding of the multifaceted operations that sustain Santa Barbara County's infrastructure, public safety, and essential services. From observing the democratic process during the November 2024 Presidential Election to examining the complexities of water security at desalination and treatment facilities, from understanding the delicate work of the Coroner's Office to witnessing the challenges within both adult and juvenile correctional systems, each visit reinforced the interconnected nature of County governance. The educational journey through these diverse facilities not only enriched the Jury's perspective on local government operations but also helped develop a deeper appreciation for the complexities and responsibilities inherent in public service, ultimately strengthening the ability to fulfill the Grand Jury's oversight role with greater insight and understanding.

SANTA BARBARA COUNTY AGENCIES RESPOND TO 2023-2024 GRAND JURY REPORTS



FILED MARCH 6, 2025

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SANTA BARBARA COUNTY AGENCIES RESPOND TO 2023-24 GRAND JURY REPORTS

SUMMARY

The 2023-24 Santa Barbara County Grand Jury issued nine reports. The current 2024-25 Grand Jury has assembled the responses to the prior Jury's reports. The following report is based on the responses that agree or disagree with the Jury's findings and recommendations. This Response Report is also meant to allow the public to become more familiar with their local agencies by reading their answers to the Grand Jury's reports, found on its website: www.sbcgj.org. Overall, Santa Barbara County agencies agreed with the 2023-24 Jury's findings 46 times (64.8% of the time) and stated that they either have implemented or will implement the Jury's recommendations 56 times (58.4% of the time).

INTRODUCTION

In California, each county grand jury writes reports after looking into the operations of various local government entities. These reports are sent to the local agencies, who then are required to write a response to the jury's findings and recommendations that are addressed to them. The agencies can agree with the jury's findings and recommendations, and this can lead to changes in how policies are implemented. Agencies can also disagree with the jury, which can happen just as often. In these cases, the agencies explain their position and their actions in their responses.

Either way, the investigative process informs the public how our local government agencies work. While the agencies might not always agree with a grand jury, everyone is working together to improve their function in the community. This is, at its core, a collaborative effort.

A grand jury is considered the watchdog for the public. Grand jury members are able to directly interview members of the government and private citizens and gather information that is not always available to the public. In this way, a grand jury has a unique ability to "shine the light" on our civic processes.

The 2024-25 Santa Barbara County Grand Jury invites the public to contact it regarding areas of future investigations. A form to request an inquiry can be found on the Grand Jury website: www.sbcgj.org. Letters can be mailed to: Santa Barbara County Grand Jury, 1100 Anacapa Street, Santa Barbara, CA 93101.

DISCUSSION

The following reports are listed in order of their publication date during the 2023-24 Santa Barbara County Grand Jury's (Jury) term. The first report was published on March 22, 2024, and the last report was issued on June 26, 2024.

Lompoc Tourism Improvement District Management Agreement 2019-2028
March 22, 2024

The Grand Jury investigated the finances of the Lompoc Tourism Improvement District (LTI) and the monitoring of those finances done by the City of Lompoc. A Grand Jury report from the 2011-2012 Jury had also identified Lompoc's failure to adopt a non-profit audit policy, which was again mentioned in a 2013-14 Grand Jury report.

The Grand Jury analyzed the annual reports prepared by LTI and identified a $500,000 discrepancy between the carry-over funds and expenditures. It also noted that $800,000 of the funds collected had been placed in a money market fund. The Grand Jury found that the City of Lompoc had exercised no financial control over the LTI and had not required an audit or implemented other monitoring measures. The 2023-24 Jury recommended that the City of Lompoc require financial reporting from the LTI and also that the City monitor the expenditures of the LTI.

In response, the City of Lompoc disputed some aspects of the financial analysis, agreed with two of the findings of the report, and partially disagreed with four, mostly related to its limited oversight role on the finances of the LTI. The City advised that none of the recommendations would be implemented because the City does not have the authority to implement financial controls over the LTI. The City serves only as a "passthrough" for funds collected from the hospitality industry and dedicated to LTI. The City noted that its agreement that created the LTI only required that the LTI issue an annual report, and that requirement had been met.

Potential Perceived Conflict of Interest for Death in Custody Investigations
April 15, 2024

The Grand Jury explored ways in which the Sheriff-Coroner could avoid a perceived conflict of interest when autopsies are conducted for in-custody deaths. While recognizing the Jury's concerns, the Sheriff's Office disagreed with the Jury's finding of a real or perceived conflict of interest in the Sheriff-Coroner's jurisdiction over in-custody deaths. The Sheriff-Coroner responded that the experience and expertise of its staff ensured impartial and ethical investigations into these deaths. To allay doubts about influence over its own investigative team, the Sheriff-

Coroner pointed out that the Coroner's Bureau falls outside the Custody Division's chain of command, and the pathologist acts independently. As for the Jury's finding that there is no succession plan for hiring pathology technicians, there was no answer to the finding itself.

The Jury also recommended an independent investigation into all deaths in custody. The Sheriff-Coroner responded that this has been implemented, as the District Attorney does specifically investigate all cases of use-of-force or restraint by officers, and this practice may be expanded to all deaths in custody. The Sheriff disagreed with the Jury's recommendation that an independent medical team be used for all deaths in custody, as this would be cost-prohibitive and duplicative of its own services.

For the Jury's recommendation of a succession plan for officers with the specific skills needed in the Coroner's Bureau, the Sheriff avowed that they have been working on this with the County, and a plan would be finalized by September 2024; that is, the Jury's recommendation would be implemented.

Wellpath Contract Services Provided to Santa Barbara County and the Sheriff's Office
April 19, 2024

The Grand Jury issued its report on the Wellpath contract during the negotiations between the Sheriff's Office, Wellpath and the Board of Supervisors (Board) in April 2024. Because of this parallel timing, the Sheriff's responses, due within 60 days of the issuance of the Jury's report, reflected the inability to announce any definitive changes to the contract. When the Board of Supervisors published its responses to the Jury report 30 days later, it responded similarly to the findings and recommendations of the Jury although it was more specific about the changes being made to the Wellpath contract. The true measure of response came when the contract was finalized in June 2024 and the Jury's concerns were met with the positive changes in the Wellpath contract.

The Jury focused on four areas for discussion of the contract: lack of accountability for staff vacancies, lack of 24/7 mental health coverage, accounting shortfalls, and lack of timely annual reporting. According to the Sheriff's Office, it has cooperated with Wellpath on strategies to mitigate the impact of staff vacancies, and together they have invested in recruitment. As for accounting for staff vacancies, the Sheriff's Office wrote that the pandemic and the opening of a new jail complicated how to count staff. Although the Sheriff confirmed the shortfalls, the response partially disagreed with the Jury's finding.

The Board of Supervisors generally mirrored the Sheriff's responses. The Board did point out that Wellpath's annual report for service to the Probation Department was not late; it was only its

annual report for the Sheriff's Office—a partial disagreement with the Jury's finding. Otherwise, there were no Board comments on the findings.

Contract negotiations were underway at the time that the Sheriff's Office was preparing its responses. Recommendation items on the table included additional positions, accountability, billing procedures, and oversight from Public Health. Its response for most of the Jury's recommendations were "will be implemented." As for increased training on critical mental health issues, the Sheriff's Office felt that both Wellpath nurses and custody officers are well trained, and it did not need to impose more training. Likewise, telepsychiatry was defended as available at all times, although the Jury's recommendation was for a thorough assessment of telepsychiatry's efficacy, with particular attention to the issue of available care during the overnight hours.

Both the Sheriff and the Board could not respond to all recommendations because matters such as compensation and incentives for hiring nurses were not under their purview, but that of Wellpath. Both entities responded that they would not implement those Jury recommendations.

The Board was able to commit to anticipated staffing increases as its responses to the Jury took form further along in the negotiation process. It also had taken steps to assure contractual compliance by approving two new positions in the Public Health Department expressly for working with Wellpath in the jails. These medical advisors will assess performance of Wellpath staff. The Board also directed Behavioral Wellness (BWell) to staff mobile crisis units to be available to respond to situations at the jail during evening and nighttime hours, as advised by the Jury. The Board is encouraging a cooperative working arrangement between BWell and the jail staff. For on-time annual reports, the Board placed responsibility on the Sheriff's Office more than on Wellpath and denied the recommendation to penalize Wellpath for late reports.

When the Board considered the Seventh Amendment to the current Wellpath contract in June 2024, it addressed the Jury's concerns about staffing and increased Wellpath's budget by $13,232,153.75. The amendment added 16.6 FTE (full-time equivalent) positions, which included 2.5 FTE positions in mental health care. The tardy annual report was anticipated in the next month at the writing of the Board's responses. Moreover, the Board of Supervisors reported that cost reimbursements for Wellpath services not rendered were in progress. Overall, the Board acknowledged the Jury's concerns.

Civil Grand Jury Compensation
May 30, 2024

The 2023-24 Grand Jury reviewed its compensation and recommended an increase. Disagreeing with the Jury, the Board of Supervisors indicated that they raised Jury compensation in 2001, or

23 years ago and not 25, and in doing so increased the compensation more than for what most grand juries in other counties in California currently receive (42 out of 57 counties) and more than what trial jurors receive. The Board agreed with the finding that commuting to South County for those living in North County does add to the overall budget expense because of the mileage money they receive from driving rather than telecommuting.

For the Jury's recommendation that the Board raise the per diem from $25/day to $50/day, as received by two counties in Southern California, the Board questioned the Jury's comparison of Santa Barbara County with Los Angeles and Orange Counties, rather than the 42 other similarly sized or smaller counties for pay equivalencies. Moreover, the Board did not see raising the per diem compensation as a method for attracting a more diverse applicant pool; the Jury's schedule itself restricts who applies for the Jury, as meetings occur during normal working hours and 20 hours per week are suggested, which precludes many who do not have that time to devote to the Jury.

For the costs of commuting to South County, where the Jury has a private room with office amenities, it would not help the budget to dedicate similar space in North County according to the Board because more jurors would be commuting in the opposite direction for those meetings. Instead, the Jury should find a room which has an optimal set-up for virtual meetings in North County, and the County and the Court are currently identifying sites for that purpose. The Board agreed to implement only one of the two Jury's recommendations.

Santa Barbara County Coroner Facility and Equipment: A Hazardous Environment
June 13, 2024

In several reports over the past years, the Grand Jury found that the Sheriff's Office operates an outdated and hazardous Coroner's facility. The Sheriff's Office agreed but relies on the Board of Supervisors to approve improvements at the facility and prioritize its replacement in the Calle Real Campus Master Plan.

In the two months following the issuance of the 2023-24 Jury's report criticizing the Coroner's building as a health hazard, the Sheriff's Office made the repairs recommended by the Jury. Thus, it disagreed with the Jury's findings that repairs were needed immediately because they had already been completed. The Sheriff's Office then was able to answer the Jury recommendations for a new roof, mold abatement, and exterminator treatment with "has been implemented" or "will be implemented" soon. Rather than hire independent contractors as recommended by the Jury, the Sheriff's Office used the County's General Services Department to address the problems.

The responses from the Board of Supervisors mostly followed those of the Sheriff's Office, noting that satisfactory repairs had taken place. Additionally, the Board saw no reason to go outside the County's General Services Department for repairs, and the passing of inspections by the Environmental Health Department validated the work. Likewise, the Board saw no need to add a safety officer at General Services when other departments already provide such services. The Jury's photos of mold, wood rot, and termite damage did not persuade the Board that action by outside parties would be preferable.

The Sheriff's Office and the Board of Supervisors split on moving up the replacement of the Coroner's facility in the Calle Real Campus Master Plan as a priority before the end date of 2039. The Sheriff's Office endorsed this action, but the Board of Supervisors referred to a decision in the Five-Year Capital Improvement Program to improve, not replace, the aging building. The Board, who controls the budget, judged that after the recent repairs, replacement would be "costly with limited benefit."

As for the Jury's recommendation that there be six months of testing of the new toxicology instrument, the Sheriff's Office felt that thorough reviews and verification of results were adequate. Added toxicology testing would be excessively costly and unwarranted.

Detention Facilities in Santa Barbara County
June 17, 2024

In its visits to the Detention Facilities in the County, the Jury determined a need for improvement at two sites: a cell door at Cuyama Sheriff's Substation and uncomfortably small cells and poor air ventilation at the Santa Barbara Superior Court Holding Facility.

According to the Sheriff's Office, the cell door in Cuyama had been officially inspected and certified. As for the Superior Court Figueroa Courthouse cells, the Sheriff's Office acknowledged the recommendation to remove the single cells and agreed to work with General Services to conduct a thorough analysis of the situation before the end of 2024 while at the same time saying that the single cells have a purpose when separating some inmates. The Sheriff's Office responded that it would work with General Services and commission an analysis of indoor air quality.

Individuals in Crisis
June 21, 2024

The Grand Jury addressed the past practice of not allowing Santa Barbara County law enforcement officers to write a Welfare and Institutions Code section 5150 hold for people in an acute mental

health crisis that endanger themselves or others. It discovered that the origin of this practice was a money saving step after the passage of State Proposition 13 in 1978. There were no legal impediments to allowing law officers to write a 5150 hold rather than restricting this process to clinicians of the County Behavioral Wellness Department (BWell). Since the 1978 state law, BWell has assumed the role of intervening in emergency situations for people with mental health disorders with its Mobile Crisis Teams. However, with recent staff shortages, BWell's responses to such situations have not always been timely. The Jury encouraged the addition of law enforcement officers with training in issuing 5150 holds.

The Board of Supervisors and the Sheriff's Office agreed with the policy of training law officers for mental crisis intervention and stated in fact this has been a part of the Academy training and has been put into effect with the Co-Response teams (one law officer and one BWell clinician) for a number of years. Yet while agreeing in principle, both the Sheriff's Office and the Board of Supervisors did not see a need for more training for law enforcement officers. The Board of Supervisors pointed to a recent study that showed the local Co-Response teams received low volumes of calls and therefore concluded that the recommendation to increase such units would not be implemented. The Sheriff's Office stated that it would defer to the Co-Response Teams and BWell's Mobile Crisis Team before instructing Sheriff's deputies to respond to mental health emergencies. The one city that responded to this report, Lompoc, will train its police officers in the assessment for 5150 holds. In essence, these parties agreed that having more police officers available for issuing 5150 holds, when necessary, would benefit the persons involved and the community, but the need for empowering more officers does not appear to be a pressing issue at this time.

Although required, the cities of Santa Barbara and Santa Maria did not respond to this report.

Homeless Encampments in Santa Barbara: Becoming Part of the Community Again June 25, 2024

In 2021, the County of Santa Barbara adopted a Homeless Encampment Resolution Strategy. This action plan was scheduled for renewal in June 2024, which motivated the Grand Jury to assess "successes and the continued challenges" of encampment programs. The Jury's report coincided with the hearing before the Board of Supervisors (Board) and the adoption of a renewal.

The Jury's findings and recommendations were essentially a study of what had worked and what didn't work in clearing, or "resolving," encampments, and the Board agreed with all the Jury's findings. The Board of Supervisors – which had already been working with a team approach for sweeps, clean-up of encampments, the principle of Housing First, warnings before weather

emergencies, mapping and collaborative funding – responded that it had implemented the Jury's recommendations in these areas.

Even though the Board stated that County agencies cleaned up after encampments, it showed resistance to supplying more sanitation measures, e.g., porta-potties. The City of Goleta affirmed a similar position and stated that to do more would enable the homeless individuals to stay there as in a "de facto shelter" rather than try to improve their living situation, an estimation that the City of Carpinteria seconded. Carpinteria also pointed out that providing sanitary facilities in encampments would divert resources from their housing initiatives. Santa Barbara also declined to add any bathroom facilities because it would suggest a sponsored encampment. Also, the City of Santa Barbara is unique in that there are several day centers for the unhoused and many parks where bathrooms are available. Lompoc felt that it was complying with this recommendation by sending the residents elsewhere, where there were sanitary facilities. The city councils of Guadalupe, Solvang and Buellton, on the other hand, could not confirm any actual response because there are no encampments in their cities. There seems to be a unified approach among cities to sanitation in encampments. They recognized that it is essential for health and safety but were wary about enabling the unhoused to stay in encampments rather than strive for better housing options.

Although required, the city of Santa Maria did not respond to this report.

Deaths in Custody in Santa Barbara County Jails:
Our County Jails Meet Many Needs
June 26, 2024

In the six deaths in custody cases that the 2023-24 Grand Jury investigated, errors were discovered and for the most part, the Sheriff's Office acknowledged them. The Sheriff's Office agreed with ten of the fourteen findings by the Jury.

To some degree, many of the Jury's recommended actions had already been initiated with Public Health and Behavioral Wellness (BWell) Departments sharing some supervision of medical and mental health care in the jail. In other cases, the Sheriff readily adopted the Jury's suggestions of changing intake forms for better communication and supervision checks. Another distinguishing feature of the Sheriff's responsiveness to change was the newly required revision and oversight of protocols for its healthcare provider, Wellpath. In these ways, the Sheriff's Office could answer most of the Jury's findings with "Agree" and most of the recommendations with "Will be implemented" or "Has been implemented." This confirms the era of cooperation occurring within the criminal justice system in Santa Barbara County, generated by the 2020 *Murray* Case and Disability Rights California.

The Sheriff's Office agreed with the Grand Jury's findings on the circumstances in the six deaths. When the Sheriff's Office disagreed that there was not enough observation, it was mostly a matter of opinion over the degree of direct observation and the timing in cases of those who have just entered the jail. Newly booked inmates are critically vulnerable at this time, a point emphasized by the Jury. The Sheriff's Office agreed with this matter of critical timing for the one suicide where there was no immediate supervision. For the other five cases, the Sheriff's Office pointed to evasive measures on the part of the inmates. The Sheriff's Office and the Jury also disagreed over the intensity of harm done during restraint of an inmate as well as the danger posed to others in the jail because of outbursts.

Further, the Sheriff disagreed with the finding that the release of documents to the Grand Jury was delayed, citing changes made in the Office to specifically have documents available earlier.

As for the Jury's recommendations, the Sheriff's Office disagreed with four recommendations, saying it would not implement them, but stated that of the other 16 recommendations, 12 had been implemented and four would be. The Sheriff has been working with the Board of Supervisors and two other County Departments, Public Health and BWell, to effect change.

As for the details of the Jury's recommendations, the Sheriff's Office was most responsive when creating forms that could improve the communication of critical information and when collaborative working partners are involved. The Sheriff's Office also declared that it will henceforth expect more accountability from Wellpath, the healthcare provider. Other improvements will come with Public Health positions inside the jail being staffed; the new healthcare officers will oversee Wellpath and complement its services.

The Sheriff's Office disagreed with the Jury's recommendation of utilizing alternative housing – specifically when troubled inmates first arrive at the jail – saying that they could not be lawfully detained outside the jail, other than in a hospital.

The Board of Supervisors underscored the "collaborative system improvements" that were the source for many of the findings and recommendations of the Grand Jury. It encourages the new partnerships, while diplomatically recognizing the main responsibility and decisions rest with the Sheriff.

The Board's ratification of the Wellpath contract on June 25, 2024, moved the Sheriff's Office, the Public Health Department, and Behavioral Wellness forward in supporting new programs, e.g., the medically assisted drug treatment program, or MAT, and the diversion and re-entry program READY. The Board also supported the Public Defender's pilot program in the Northern Branch

Jail being implemented in the Main Jail. The Jury's report emphasized how collaboration among county departments will benefit inmates.

CONCLUSION

The 2023-2024 Santa Barbara County Grand Jury's findings and recommendations endorsed many actions taking place in and among county agencies, serving to highlight positive changes. The Jury would like to acknowledge what it notes as a high degree of cooperation among agencies and the Jury in this past year. Overall, agencies agreed with the Jury's findings 46 out of 71 times (64.8%), and over half of the Jury's 96 recommendations either have been implemented or will be (31.3% Have Been Implemented and 27.1% Will Be Implemented). The Jury's reports spotlight the agencies' actions so that the citizens of the County can participate to best ensure that the changes are carried out in a timely manner.

The Jury thanks the agencies and other local entities that provided their responses to the 2023-24 Jury's reports in a timely manner. The Jury further commends them for their commitment to implementing the Jury's recommendations and improving the services they provide to our local communities.

FINDINGS AND RECOMMENDATIONS

Finding 1: County agencies agreed with most of the 2023-24 Jury's findings and implemented a majority of the 2023-24 Jury's recommendations, which reflects an encouraging level of cooperation among local agencies and the Jury.

This Response Report has no recommendations.

REQUIREMENTS FOR RESPONSES

This Response Report does not require a response from any governmental agency.

IS THE SANTA BARBARA COUNTY PUBLIC HEALTH DEPARTMENT PREPARED FOR THE NEXT EPIDEMIC?



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IS THE SANTA BARBARA COUNTY PUBLIC HEALTH DEPARTMENT PREPARED FOR THE NEXT EPIDEMIC?

SUMMARY

Another epidemic in Santa Barbara County is not merely a possibility—it is an inevitability. The emergence of new infectious agents that may cause devastating outbreaks is occurring at an alarming rate. The 2024-2025 Grand Jury has identified shortcomings in Santa Barbara County's readiness for a new epidemic. Our County must adopt a proactive approach to preparedness. This includes utilizing up-to-date technologies, implementing proactive risk assessment and disaster planning strategies, strengthening early detection, and improving communication to prepare for bioterrorism threats. (References 1-3)

The Santa Barbara County Public Health Department is the front line. While federal and state agencies may provide guidance, it is the County Public Health Department's responsibility to plan for and respond to infectious epidemics that might occur in Santa Barbara County.

BACKGROUND

Infectious disease epidemics, such as COVID-19, have devastating effects on communities. They overwhelm existing health care resources, result in massive illness and death, and have terrible consequences for public health, education, and the economy.

County public health departments have defined responsibilities under California law (California Health and Safety Code, Part 3, Chapter 2, Sections 101025 – 101165). County health departments are tasked with protecting public health, which includes planning for, preventing, and managing outbreaks of infectious diseases. Their responsibilities include:

1. Surveillance and Monitoring: Tracking the spread of diseases and identifying outbreaks through data collection and analysis.
2. Preparedness Planning: Developing and maintaining public health emergency response plans, including those for epidemics and pandemics.
3. Education and Outreach: Informing the public about disease prevention measures and providing resources to mitigate the spread of illnesses.
4. Coordination: Working with state and federal agencies, healthcare providers, and other local entities to respond effectively to public health threats.
5. Vaccination and Treatment: Organizing vaccination campaigns and ensuring access to medical treatment during an epidemic.

Three potential sources of new epidemics could impact our County:

- Natural disease epidemics. There is potential for current endemic disease to mutate and create epidemic risk. For example, new and more virulent strains of COVID-19 or influenza viruses could emerge (such as avian influenza). Further, with increases in international travel and migration, diseases which were once isolated to confined regions of the world may rapidly become global. Examples include Mpox and Ebola, once confined to East Africa; mosquito-borne diseases such as malaria, Zika, and West-Nile virus; and, polio, historically isolated to localized populations. (References 4-6)
- Laboratory leaks. Technology to alter infectious microorganisms using genetic engineering has rapidly evolved, has become widely available, and is now being utilized in numerous research and commercial laboratories across the globe. There are currently no international regulations to ensure the safety of this technology, resulting in a risk of new virulent pathogens escaping and disseminating. (References 7-8)
- Bioterrorism. Genetic engineering may also be utilized to alter dangerous microorganisms to create potential biological weapons. Such engineering has been detected in Russia, China, North Korea, and Iran, and among independent terrorist organizations. The weaponization of such agents as Smallpox, Anthrax, Corona, Ebola, and influenza viruses is a real and present threat. The strategic importance of the Vandenberg Space Force Base makes this a potential target that would threaten the greater Santa Barbara County. (References 9-11)

Given these threats, there is a high likelihood of an infectious epidemic occurring again in Santa Barbara County.

METHODOLOGY

The Grand Jury used the following investigative methods:

- Requests for information from County departments.
- Interviews with public health experts, epidemiology experts, community physicians, representatives from Vandenberg Space Force Base, County department employees and County officials.
- Review of information on websites of:
    - The Santa Barbara County Public Health Department
    - The World Health Organization (WHO)
    - The Centers for Disease Control and Prevention (CDC)
    - The National Association of County and City Health Officials (NACCHO)
    - The California Department of Public Health

    - The US Department of Homeland Security
    - The California Office of Emergency Services
- Review of news articles reporting new epidemic threats.
- Review of scientific literature and recently published books (see References section at the end of this report).

DISCUSSION

According to its website, the CDC recommends several key strategies for developing a comprehensive local epidemic preparedness plan:

- Surveillance and Monitoring: Establish robust systems for continuous surveillance and monitoring of disease trends. This includes collecting data from hospitals, laboratories, and public health departments to identify unusual patterns or increases in disease incidence.
- Risk Assessment: Perform ongoing evidence-based risk assessments to determine which infections are most likely to occur. This involves analyzing the most current epidemiologic data to prioritize potential threats.
- Emergency Operations Plan (EOP): Develop an Emergency Operations Plan that includes specific actions for before, during, and after an outbreak. This plan should outline procedures for screening, testing, contact tracing, physical distancing, isolation, and mask use.
- Communication and Coordination: Ensure effective communication and coordination with law enforcement, first responders, healthcare providers, and hospital staff. Establish clear channels for sharing information and coordinating responses.
- Resource Allocation: Allocate resources effectively, including vaccines, treatments, and medical supplies. Ensure that there are sufficient stockpiles and distribution plans in place.
- Training and Exercises: Conduct regular training and practice exercises with all partners involved in the response. This helps ensure that everyone is prepared and knows their roles in the event of an outbreak.
- Public Education: Educate the public about the importance of preparedness and the steps they can take to protect themselves. This includes promoting vaccination, hygiene practices, and awareness of symptoms.

The Santa Barbara County Public Health Department is aware of the risk of future epidemics and the important role that it must play in epidemic preparedness and response. However, based on numerous interviews and review of recent scientific literature, the Grand Jury has identified that there are some important approaches to epidemic preparedness that are currently not utilized in Santa Barbara County. These include the use of new technologies to identify and document the specific infectious agents that pose the greatest risks of potential future epidemics. Such tools can be utilized to formulate the current risk assessment to identify the pathogens most likely to cause

an epidemic in Santa Barbara County. Additionally, based upon evidence-based and disease-specific risk assessment, the Santa Barbara County Public Health Department could develop disaster response plans specific to each potential epidemic risk.

Determination of Epidemic Risks

The Grand Jury has learned from testimony and from literature review that the following three proactive approaches would improve the preparedness and response to potential new infectious epidemics in Santa Barbara County.

Current Technologies

The first important tool to lessen potential epidemic risk is use of up-to-date technologies. The Santa Barbara County Public Health Department currently relies upon reporting of selected diseases by Santa Barbara County hospitals and health care providers. These events can be entered into a state program called the California Reportable Disease Information Exchange (CalREDIE). Reports from other California counties are also available through CalREDIE. However, witnesses have testified that CalREDIE program does not provide sufficient information, in part because many potentially dangerous diseases that occur in Santa Barbara County and elsewhere in California are not reported. There is usually no reporting for non-hospitalized patients, even if they have symptoms of an infection that could pose a risk of spread. Hospitals might also not report potentially dangerous infections to CalREDIE because of HIPAA concerns. In addition, patients with unusual and unexplained symptoms might not be reported, as their diseases are not recognized as reportable. Furthermore, the current system only includes selected cases that have been reported from within California. It does not systematically utilize or analyze data from national or international threats.

The currently available computer software platforms have the power to provide much more robust information regarding risk assessment and the early detection of possible epidemic threats. Such systems utilize artificial intelligence to collect and analyze infectious risk signals from many sources, not just locally, but also around the state, nation, and globally. Data are gathered not just from case reports, but also from testing laboratories, pharmacy sales, migration and travel data, and more. Geo-mapping and big data analytics are utilized to assess the likelihood of potential threats to local jurisdictions. Such software allows local public health departments to perform evidence-based risk assessment to facilitate proactive preparedness for potentially dangerous organisms and infections. (References 12-18)

Examples of contemporary software tools available to county health departments now include:

A. ESSENCE: The Electronic Surveillance System for the Early Notification of Community-based Epidemics, available from the US Department of Defense.
B. Bio Sense Platform: A cloud-based platform for agencies to analyze data and identify potential epidemic risk.

C. Epi Info: A platform that supports outbreak investigations, including risk analysis.
D. HealthMap: A platform that provides real-time tracking of emerging health threats globally and analyzes local threats.
E. ArcGIS: A geospatial platform allowing public health departments to map and analyze epidemic risks.
F. BlueDot: An AI model that collects world-wide data to track infectious disease and provides early warning of potential local risks.
G. Metabiota: A software platform that uses AI to project the likelihood of potential outbreaks.
H. Epidemic Intelligence from Open Sources (EIOS): An open-source, web-based system for epidemic intelligence from WHO.
I. PHC Global: New software platform for epidemic detection, which may be available for beta testing.

Wastewater Testing

A second important tool for the determination of epidemic risk is epidemic wastewater testing. The technology to detect threatening infectious microorganisms that may cause epidemics by testing their presence in wastewater has rapidly evolved and is now widely implemented, including in most California counties. In Santa Barbara County, wastewater treatment plants have traditionally tested wastewater for organisms such as E-coli, which pose a threat to streams and beaches.

However, more sophisticated testing for organisms that might cause epidemics has not been widely implemented. One notable exception is a site in Lompoc where epidemic wastewater testing is ongoing with the support of a private grant. These data are reported to a California database, data.wastewaterscan.org. The Goleta Sanitary District has also recently begun to perform testing, in partnership with the California Department of Public Health. There was a previous testing site funded by a nonprofit agency in the City of Santa Barbara, but this is no longer operating. There is currently no testing in other major population centers, including Santa Maria.

Wastewater testing for pathogens to track potential outbreaks and coordinate early responses is now an essential component of epidemic preparedness, which is the legal responsibility of California county public health departments. Many California county public health departments have assumed the responsibility to assure that wastewater testing for potential epidemic pathogens has been implemented in their counties. These public health departments include those in the counties of Los Angeles, San Francisco, Sacramento, Santa Clara, Fresno, Riverside, Orange, Kern, and Alameda. However, the Santa Barbara County Public Health Department does not operate or supervise any wastewater testing facilities, nor does it routinely receive results. In addition, while the Public Health Department might informally review some wastewater testing results, there is currently no defined process or procedure for the Public Health Department to review local and regional wastewater test results nor to incorporate these reviews into risk analysis. (References 19-22)

Information Sharing

The third important tool in determining epidemic risk is optimal communication. The County Public Health Department currently has useful communication with the California Department of Public Health and with officials from other county health departments in the state. These conversations facilitate important information sharing regarding public health issues throughout California.

In addition, communication amongst local care providers is an important component of effective epidemic preparedness. Sharing information regarding suspicious infections and other potential risks that have been identified in the County can provide early warning of new epidemic risks. Several California public health departments have established community task forces or advisory groups for epidemic preparedness. These task forces typically include public health officials, healthcare providers, emergency responders, community leaders, representatives from jails and prisons, and sometimes representatives from local businesses and schools. Their goals include:

- Early detection of new infections in the community
- Coordinating response plans: Ensuring that local hospitals, clinics, and first responders have a unified strategy.
- Public communication: Developing clear messaging for residents about risks, prevention, and available resources.
- Adequate resource allocation: Planning for supplies, vaccines, and treatments.
- Community engagement: Addressing specific needs of vulnerable populations.

The California Department of Public Health works with county health departments to facilitate these efforts. Many public health departments, including those in Los Angeles and San Francisco, have established dedicated pandemic planning groups. The Santa Barbara County Public Health Department has recently participated in meetings with local healthcare providers, including physicians as well as representatives from healthcare and educational institutions about local epidemic risks. However, these community meetings have not occurred regularly, nor are any recommendations documented or formally communicated. Furthermore, representatives from other important stakeholders such as public health officials from surrounding counties have not been included in these meetings, nor have representatives from the county jails, Vandenberg Space Force Base, nor the Federal Correctional Complex in Lompoc.

Risk Assessment and Disaster Planning: Proactive or Reactive?

Although Santa Barbara County engaged a consultant to develop an epidemic disaster plan in 2024, it is not specific to Santa Barbara County. The plan has not been fully disseminated or practiced and does not identify specific responses to potential high-risk epidemics. The current plan lacks detailed responses for specific epidemics identified through risk analysis as having a high likelihood of occurrence. Most importantly, the plan remains reactive.

In contrast, a proactive approach would involve performing ongoing evidence-based risk assessments derived from the most current epidemiologic data to determine which infections are most likely to occur in Santa Barbara County. Based on these risk assessments, the County could develop specific disaster plans for each potential epidemic infection. (References 23-26)

An example of a process to perform proactive risk assessment would be to utilize all available information through up-to-date computer software with artificial intelligence, wastewater testing data, and effective communication to identify those infections which pose the greatest potential risks to the citizens of Santa Barbara.

The following is a hypothetical example of a proactive risk assessment.

Based upon global and regional event reporting, geo-mapping, and artificial intelligence, the greatest epidemic risks to Santa Barbara County might be:

1. Avian influenza
2. Mpox
3. New coronavirus strain
4. New influenza strain
5. Introduction of anthrax by bioterrorism
6. Introduction of smallpox by bioterrorism
7. Reemergence of polio
8. Mosquito-borne influx of Zika virus infections
9. Mosquito-borne influx of West Nile Virus
10. Mosquito-borne influx of Dengue Fever

Currently, the epidemic response plans in Santa Barbara County are primarily reactive. If an epidemic outbreak occurs, the County will respond by determining the necessary actions and then begin to implement them. This reactive approach is likely to result in delays in detecting the outbreak and providing the necessary resources for effective responses, including testing, vaccination, antimicrobials, isolation, communication, and medical care.

In contrast, the Santa Barbara County Public Health Department could implement a proactive approach. In response to risk assessments, ongoing disaster planning can be performed based upon the epidemics of greatest threat. For example, if an evidence-based risk assessment identified that a potential avian influenza epidemic posed a significant risk, a specific disaster plan would be formulated in advance. Such a plan might include how the County would:

- Rapidly deploy testing.
- Acquire and distribute vaccinations and anti-viral medication.
- Provide necessary healthcare resources.
- Determine and institute appropriate isolation and contact tracing strategy.

- Mobilize the necessary human and material resources to implement the disaster plan.
- Communicate current information to health care providers and to the public.
- Protect vulnerable populations, including those confined to jails and long-term care facilities.

This proactive planning process can and should occur for each high-risk epidemic threat defined by the evidence-based risk analysis. (Reference 27)

A proactive strategy would help ensure that Santa Barbara County is better prepared to respond swiftly and effectively to future epidemic threats.

Responses to Infectious Epidemics: Reactive Versus Proactive Approaches

Reactive Approach: Current Santa Barbara County Process



Proactive Approach: Recommended Process



As illustrated in the diagram above, if a new infectious epidemic began infecting citizens of Santa Barbara County under the current reactive approach, there may be delayed detection and a delay in formulating a response plan. In contrast, under the suggested proactive approach, the start of the epidemic would be detected without delay and the response would already be formulated and ready for implementation.

Bioterrorism

The widespread availability of genetic engineering technology has enabled hostile organizations and nations to develop potential weaponized microorganisms, significantly increasing the threat

of bioterrorism. Santa Barbara County is particularly vulnerable to a microbiological bioterrorism attack, especially given the strategic importance of Vandenberg Space Force Base.

The federal government recognizes bioterrorism as a significant risk and actively monitors and gathers information on this threat. Witnesses have testified that federal agencies, including the Department of Defense and the Department of Homeland Security, are employing significant resources to detect potential bioterrorism attacks. Bioterrorism preparedness is essential for county health departments to protect public safety, coordinate rapid responses, and prevent widespread casualties. While federal agencies help identify the risks of bioterrorism, county health departments must be prepared to effectively respond. However, there is currently no formal communication regarding these risks between the Santa Barbara County Public Health Department and federal agencies.

In contrast, a number of California county public health departments actively collaborate with federal agencies regarding bioterrorism threats through communication protocols and partnerships with agencies including the CDC, Department of Homeland Security, the Federal Bureau of Investigation, and the Department of Defense. Examples of California county public health departments that regularly communicate with federal agencies about bioterrorism threats include those in Los Angeles County, San Francisco County, Sacramento County, San Diego County, Alameda County, and Orange County. (References 28-29)

Bioterrorism poses an additional risk that new epidemic diseases could be spread in Santa Barbara County.

CONCLUSION

As new strains of infectious diseases develop, our local health care services struggle to protect the community, as happened at the inception of the COVID-19 pandemic. This is a dangerous state of affairs for Santa Barbara County. A more proactive approach by the County Public Health Department can ensure that the citizens of the County have ready access to healthcare and medications.

Much of what is necessary to be ready for another outbreak is already available. The Santa Barbara County Public Health Department needs to avail itself of advanced software, wastewater testing, working task forces, and begin proactive disaster planning for specific threats to public health. The County Board of Supervisors would be wise to recognize the risks of delayed proactive actions, support the Public Health Department's acquisition of the innovative technologies, and encourage the employment of new networking organizations.

FINDINGS AND RECOMMENDATIONS

The 2024-2025 Santa Barbara County Grand Jury finds that:

F1. The Santa Barbara County Public Health Department has not developed proactive pathogen-specific risk assessments based upon evidence-based risk analysis.

F2. The Santa Barbara County Public Health Department has not developed proactive pathogen-specific disaster plans based upon evidence-based risk analysis.

F3. The Santa Barbara County Public Health Department has not employed current, more comprehensive software for the early detection of potential epidemic risks.

F4. The Santa Barbara County Public Health Department has the obligation to ensure wastewater testing is carried out throughout Santa Barbara County but is not currently fulfilling its responsibility.

F5. Even though bioterrorism is a growing threat, Santa Barbara County has not established effective channels of communication with federal, regional, and other stakeholders to learn of and apply threat assessment at the local level.

F6. The Santa Barbara County Public Health Department has not established a process to assure effective communication between regional healthcare providers regarding local epidemic risks.

The 2024-2025 Santa Barbara County Grand Jury recommends that:

R1. The Board of Supervisors require the Santa Barbara County Public Health Department to perform ongoing evidence-based assessments to determine the potential pathogens that pose the highest risk in Santa Barbara County. Risk assessments should be updated every three months, or more frequently if new threats are identified. To be implemented by September 1, 2025.

R2. The Board of Supervisors require the Santa Barbara County Public Health Department to develop disaster plans specific to each of the pathogens identified by risk assessment to be at highest risk of causing an epidemic. Disaster plans should be updated every three months, or more frequently if new threats are identified. To be implemented by September 1, 2025.

R3. The Board of Supervisors require the Santa Barbara County Public Health Department to identify, acquire, and implement current, more comprehensive software for the early detection of potential epidemic risks. To be implemented by December 1, 2025.

R4. The Board of Supervisors require the Santa Barbara County Public Health Department to ensure that sufficient wastewater testing sites are operational in Santa Barbara County, to include at least the major population centers. To be implemented by September 1, 2025.

R5. The Board of Supervisors require the Santa Barbara County Public Health Department to seek to institute regular communication with relevant federal agencies, including Vandenberg Space Force Base, regarding the current threat of bioterrorism, and incorporate this information into risk analysis and disaster planning. To be implemented by September 1, 2025.

R6a. The Board of Supervisors require the Santa Barbara County Public Health Department to establish a community task force for epidemic preparedness by instituting regular meetings and inviting participation by health care providers within Santa Barbara County, as well as public health representatives from surrounding counties, the county jails, Vandenberg Space Force Base, and the Federal Correctional Complex, Lompoc. To be implemented by September 1, 2025.

R6b. The Board of Supervisors require the Santa Barbara County Public Health Department to ensure that the recommendations of the community task force be documented, shared, and acted upon by responsible entities within Santa Barbara County. To be implemented by September 1, 2025.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors - 90 Days
Findings 1, 2, 3, 4, 5, 6
Recommendations 1, 2, 3, 4, 5, 6a, 6b

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DO VACCINTION RATES IN SANTA BARBARA COUNTY CREATE A PUBLIC HEALTH RISK?



FILED MAY 29, 2025

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DO VACCINATION RATES IN SANTA BARBARA COUNTY CREATE A PUBLIC HEALTH RISK?

SUMMARY

If our friends and neighbors are unvaccinated against childhood diseases for whatever reason, the entire community may be put at risk. Over past decades, there has been increasing public discourse about the potential risks of vaccines, which may help to explain why vaccination rates have decreased across the United States. Exacerbating this trend has been an unfortunate lack of information about the differences between the various vaccines, most importantly the significant difference between childhood vaccinations and others.

This report focuses on vaccinations that protect against serious childhood diseases such as mumps, measles, and polio. The investigation examines the level of community protection in Santa Barbara County provided by vaccinations administered to children and adults. It also considers vaccination concerns in the county's juvenile detention facilities and adult jails, both of which are congregate settings from which a disease outbreak could quickly grow and impact the public.

Santa Barbara County does an excellent job of assuring that children who attend public and private schools receive mandated vaccinations. However, there are no readily available data in Santa Barbara to determine the level of vaccination rates in adults, who make up over 75 percent of the County population. It is therefore unknown whether there are significant numbers of unvaccinated individuals in the County. If this is the case, there is a real risk of a resurgence of dangerous diseases in our community. The Grand Jury recommends studies to determine whether our County has reached a tipping point below which reduced vaccination levels pose a significant risk of an outbreak.

BACKGROUND

Many studies over decades have shown that mandated vaccinations given in childhood to prevent communicable diseases, such as measles, mumps, chicken pox, diphtheria, pertussis, and polio have been proven to provide enormous benefits. For example, a recent report from the Centers for Disease Control and Prevention (CDC) projected that among U.S. children born from 1994 to 2023, routine childhood vaccinations prevented approximately 508 million illnesses, 32 million hospitalizations, and more than 1 million deaths. Global projections from the World Health Organization (WHO) indicate that since 1974, routine childhood vaccinations have averted 154 million deaths worldwide. That total includes 101 million infant deaths, accounting for 40 percent of the observed decline in global infant mortality (Reference 1-3). Following the California

requirement for school immunization in 1977, the number of cases of measles in the state decreased by over 99 percent, and by 2000 measles had been eliminated.

Herd Immunity

Herd immunity refers to the indirect protection against an infectious disease that occurs when a large enough proportion of a population becomes immune, either through childhood vaccination or previous infection. When most individuals are immune, the overall amount of pathogen transmission is reduced, which in turn protects those who are not immune, such as people who cannot be vaccinated for medical reasons. This protective effect depends on the virus' basic reproduction rate, with highly contagious diseases requiring a higher percentage of immune individuals to interrupt transmission. Consequently, maintaining high vaccination coverage is essential for achieving and sustaining herd immunity, thereby preventing large-scale outbreaks and reducing disease burden across the entire community (Reference 4-5).

The loss of herd immunity would occur if childhood vaccination rates dropped below the required thresholds brought on by:

1. Increased vaccine hesitancy causing people to refuse vaccines; and
2. Global mobility bringing infections into communities with lower immunity.

The Common Good: Balancing Rights and Responsibilities

Concerns about vaccine safety and mandates must be balanced with an appreciation of the enormous benefits of certain childhood vaccines against dangerous diseases, including measles, mumps, rubella, chicken pox, diphtheria, whooping cough, and polio. Accurate information is critical to address public distrust of vaccine mandates and recommendations from governmental and public health agencies.

In any community there must be a consideration of the common good, which involves a balance between individual rights and the responsibility of the individual to society. There has been a growing number of individuals who are questioning whether or not to vaccinate themselves and their children. This concern about vaccinations is associated with a growing distrust of government recommendations regarding vaccines, in part associated with confusing media coverage about the effects of vaccinations. The trend has been termed vaccine hesitancy, which has been determined by the World Health Organization to be one of the greatest current threats to global health. Currently, many citizens of Santa Barbara County and across the United States are vaccine hesitant; they believe they should have the freedom to choose whether or not to receive vaccinations. The question can be rephrased in terms of whether the choice regarding vaccination is a right or whether vaccination is a responsibility of individuals to protect other citizens in the community (Reference 1, 6-9).

There are some useful analogies when discussing the issue of mandatory vaccination. Our society has decided that individuals do not have the right to drive while intoxicated, because doing so puts the lives of other citizens at risk. Requiring seatbelts when in automobiles and wearing helmets when operating motorcycles are losses of freedom. However, there is consensus that seatbelts and helmets are responsibilities because they lessen the burden on the community of caring for preventable injury and disability. Similarly, the freedom to use a cellphone while driving has been removed because of the risk of preventable crashes.

Some vaccinations—but not all—fall into this same category. For some vaccinations, there is a risk of spread of dangerous diseases if enough individuals choose to refuse vaccination. This is because there is a threshold of vaccinated individuals which creates the level of herd immunity that protects the greater population. This is particularly true of childhood vaccinations. Failure to accept such vaccinations puts the greater community at risk. In other words, it can be argued that it is the responsibility of individuals to forgo their freedom to refuse vaccination for the good of the community. In contrast, there are some other types of vaccinations that have benefits for vaccinated individuals, but have not been proven to protect the community, and, while controversial, it is reasonable to allow individuals the freedom to choose whether or not to receive these vaccinations.

The Grand Jury fully supports the right of individuals to choose whether to receive vaccines that may offer only personal benefit. Such vaccines include those against COVID, influenza, RSV, shingles, and others (see Appendix). However, childhood vaccines which have been proven to protect herd immunity are essential for the health of the entire Santa Barbara population. These include the vaccine against measles, mumps and rubella (MMR), the polio vaccine, the tetanus and diphtheria vaccine (Tdap), and the varicella (chicken pox) vaccine. Therefore, this report will focus upon this important subset of childhood vaccinations.

Vaccination Rates

In California, children entering kindergarten are required to be vaccinated against certain communicable diseases. As a result, vaccination rates have remained above the national level and are at more than 95 percent overall.

After a 2015 measles outbreak, California implemented stricter laws (SB277 (2015)) eliminating non-medical exemptions for school vaccinations. As a result, overall vaccination rates in California have remained relatively high. Santa Barbara childhood vaccination rates have remained above the California average; however, regional rates within California vary. In 2023, about one-third of California counties reported measles, mumps and rubella (MMR) rates for children below the herd immunity threshold of 95 percent, and a number of counties had rates below 90 percent, including Sutter County (76%), El Dorado County (80%), and Glenn County (81%) (Reference 10-12).

Importantly, the Jury has found no data on the vaccination rates in adults, who comprise more than 75 percent of the population, neither nationally nor locally. As of 2025, most adults in Santa Barbara County who attended school in California can be assumed to have been vaccinated, but the actual number who were not vaccinated is unknown. There are no available data on vaccination rates for adults in Santa Barbara County, so the overall vaccination rates in the population have not been documented. Potential unvaccinated people in the County include:

- Santa Barbara County adults who did not receive school vaccinations prior to the 2015 change in the exemption law;
- Unvaccinated individuals who moved to Santa Barbara County as adults;
- Unvaccinated workers who commute to Santa Barbara County from adjacent counties;
- Unvaccinated domestic and international tourists;
- Children who are home schooled;
- Children with medical exemptions; and
- Unvaccinated immigrants living in Santa Barbara County.

Disease Outbreaks

Measles

The decline in vaccination rates in the United States has led to recent outbreaks of preventable diseases. For example, due to successful vaccination, the Centers for Disease Control and Prevention (CDC) declared measles to be eliminated in the United States in 2000. However, due to decreased rates of vaccination, measles has reemerged. For example, there was a 2015 outbreak linked to Disneyland, which resulted in at least 131 infections among California residents. Also, there were six measles outbreaks in California totaling 73 confirmed cases in 2019, primarily associated with healthcare settings (Reference 13-14).

As of May 6, 2025, there is currently an active reemergence of measles cases across the United States. In Texas, there have been more than 702 cases in 2025, resulting in numerous hospitalizations and two childhood deaths. This outbreak has spread to neighboring Oklahoma and New Mexico, where one adult has died, and at least fifteen other states, including California, where nine cases have been confirmed. The current measles outbreaks are directly related to low vaccination rates (Reference 15-16).

National and local data on vaccination rates are available for children attending public schools. Nationally, the rates of vaccination have progressively declined in school-aged children over the past two decades, and this rate of decline is accelerating. For children entering public kindergarten in 2019, the national rate of MMR vaccination was 95 percent but decreased to 93.1 percent in 2023. A notable shift has been that the number of states achieving herd immunity levels has fallen. Nearly 75 percent of states had MMR coverage below the 95 percent target in 2023, and 12 states plus the District of Columbia fell below 90 percent. Measles outbreaks are likely to continue to

spread in populations that have fallen below the 95 percent herd immunity vaccination rate (Reference 12, 17).

The vaccination rate against measles in the overall Santa Barbara County population is unknown. At the time of this report, there have been no measles cases reported in Santa Barbara County in 2025. However, if the rate of vaccination is below the herd immunity threshold of 95 percent in the overall population, Santa Barbara County is at risk of a measles outbreak.

Whooping Cough

There has also been a resurgence of whooping cough in the United States, causing the highest number of cases in a decade. In 2024, over 35,000 cases were reported, a five-fold increase from 7,063 in 2023. While 2025 data is incomplete, the number of whooping cough cases in the United States appears to continue to increase. In California, available data show that there were over 2,000 whooping cough cases between January and October of 2024, an increase from a total of 400 cases in 2023. These 2024 cases resulted in 62 infant hospitalizations and one death (Reference 18-20).

In Santa Barbara County, there were 12 whooping cough cases reported in 2024 as of October 2024 (Reference 21). Again, increasing whooping cough cases appear to be related to decreased vaccination rates. If immunity in a population is below the herd immunity threshold of 92-94 percent, a whooping cough outbreak is a risk (Reference 22). The immunization rate against whooping cough in the overall Santa Barbara population is unknown.

Chicken Pox

Chicken pox (varicella) remains a threat in the United States, but rates of infection have declined dramatically since widespread varicella vaccinations in the mid-1990s. Before the development of a vaccine, an estimated 4 million cases of chicken pox occurred in the United States each year. The infection rate has since decreased by over 95 percent. There were approximately 5,000 cases reported nationally in 2019, although not all states have mandatory chicken pox reporting. The number of reported chicken pox cases decreased between 2020-2021, most likely associated with fewer children attending school during the COVID-19 pandemic. However, rates of reported chicken pox cases have increased nationally since 2022. In California, the Department of Public Health only requires reporting of chicken pox cases that result in hospitalization or death (Reference 23-25).

Data are not available on the number of chicken pox cases in Santa Barbara County, but no hospitalizations or deaths have been reported in 2025 to date. If the immunization rate of vaccination against chicken pox falls below the herd immunity threshold of 90 percent, an outbreak of chicken pox is a threat. The immunization rate against chicken pox in the overall Santa Barbara population is unknown. Of note, vaccination against chicken pox may also reduce the risk of shingles later in life.

Mumps

Mumps remains endemic in the United States, but rates of infection are currently relatively low. In 2024, there were 259 reported cases in the United States. However, mumps remains common in Africa and Asia in communities with low vaccination rates. The World Health Organization reports that there were at least 387,000 cases of mumps globally in 2024, and probably more as most countries do not have mandatory reporting (Reference 26-28).

The herd immunity threshold for mumps is 75-86 percent (Reference 22). If vaccination rates fall below this threshold in a population, a mumps outbreak is a risk. The vaccination rate against mumps in the overall Santa Barbara population is unknown. No mumps cases were reported in Santa Barbara County in 2024.

Rubella

Rubella, also known as German measles, is a viral infection that can cause severe disease. It is especially dangerous if contracted during pregnancy, as it can lead to serious birth defects. Rubella was declared eliminated from the United States in 2004, due to the effectiveness of widespread MMR vaccinations. However, the disease persists in countries with low vaccination rates. There have been no recent cases in Santa Barbara County. The vaccination rate against rubella in Santa Barbara County is unknown. The herd immunity threshold for rubella is 80-85 percent. If the MMR vaccination rate were to fall below that threshold, populations would be at risk of reemergence of rubella (Reference 22).

Diphtheria

Diphtheria cases have not been reported in the United States in recent years, but the disease continues to cause severe illnesses and deaths in countries with low vaccination rates. The herd immunity threshold for diphtheria is 85 percent. If the rate is below this threshold, diphtheria could reemerge in US populations. The vaccination rate against diphtheria is unknown in the overall Santa Barbara population (Reference 22, 30).

Polio

Polio (poliomyelitis) is a highly infectious viral disease. Polio often causes only mild symptoms, but in a subset of infections the virus invades the nervous system and can then cause paralysis and death. Polio was historically a common cause of death and disability in the United States. Following introduction of vaccines, polio was eradicated in the United States by 1979; this was a major public health success. Unfortunately, however, polio has now reappeared in the United States, with one recent case of paralytic polio appearing in Rockland County, New York (Reference 31-32).

There are two types of polio outbreaks currently occurring globally. Vaccine-derived polio is caused by infection from the weakened polio virus found in oral polio vaccines. In rare cases, the weakened polio virus can circulate in under-immunized communities, mutate and become a strain capable of causing polio outbreaks. The case that was detected in New York was from a vaccine-derived polio strain transmitted by a traveler to the United States. These oral polio vaccines are no longer approved in the United States but continue to be utilized in parts of Africa and Asia. In addition, the more virulent naturally occurring wild poliovirus continues to remain endemic in several countries, including Pakistan and Afghanistan. While wild polio virus cases have not been reported in the United States since 1979, there continues to be a potential risk, particularly if vaccination rates decrease below the herd immunity rates of 80-86%. The vaccination rate against polio in the total Santa Barbara population is unknown (Reference 22, 33-34).

Table: Herd Immunity Thresholds and Vaccination Rates in Santa Barbara County

Disease	Herd Immunity Threshold	Overall Vaccination rate in Santa Barbara
Measles	95%	Unknown
Mumps	75-86%	Unknown
Rubella	80-85%	Unknown
Chicken Pox	90%	Unknown
Diphtheria	85%	Unknown
Pertussis	92-94%	Unknown
Polio	80-86%	Unknown

Vaccinations in Immigrants

Applicants for immigration are currently required to receive the following vaccinations: MMR, Polio, Tdap, Hepatitis A and B, Varicella, Meningococcal disease, and Influenza. Immigrants are required to be vaccinated during a medical examination conducted by a physician certified by the United States Immigration Service. However, data on compliance with mandated vaccinations is not available for documented immigrants. Additionally, there are no data available to document the number of immigration medical examinations or vaccinations that are performed, either in California or in Santa Barbara County. Thus, the actual vaccination rates in this population are unclear.

Further, there are no data available on the vaccination status of the estimated 44,000 undocumented immigrants in Santa Barbara County. The most relevant study found by the Jury was published by the National Center for Farmworkers Health in 2023, which primarily examined migrant farmworkers, including documented and undocumented individuals, from a number of U.S. counties (not including Santa Barbara). This survey showed that vaccination rates were low, with MMR vaccination rates of 68 percent and Tdap vaccination rates of 59 percent. While the

vaccination rates of Santa Barbara County immigrants or migrant workers have not been studied and are unknown, the above considerations provide reason to believe that they may also be low (Reference 35).

Vaccinations in the Santa Barbara County Jails

The inherent conditions in jails and prisons create a high-risk environment for infectious disease outbreaks. Correctional facilities are particularly vulnerable to disease outbreaks due to factors such as overcrowding and limited healthcare resources. Implementing robust infection prevention and control measures, including vaccination programs, is essential to mitigate the risk of outbreaks in these environments. While California does not have a legal requirement for vaccination in county jails, the Federal Bureau of Prisons requires a review of each inmate's immunization status. For inmates who are unvaccinated, vaccines are administered with the inmate's consent. In addition to childhood vaccinations, other vaccinations, such as against respiratory viruses, meningitis, and hepatitis may also prevent disease outbreaks in jail populations (Reference 36).

To highlight the risks, there have been instances of serious disease outbreaks in U.S. detention facilities. Notably, in 2016, a measles outbreak occurred at a privately operated Immigration and Customs Enforcement (ICE) detention facility in Arizona (Reference 37). Other well-publicized examples are outbreaks of chickenpox which occurred in 2012 in the San Quentin State Prison, highlighting the need for better prevention and disease control measures in detention centers (Reference 38). In the Santa Barbara County jails, there have been no recent reports of outbreaks of childhood diseases, but the experience during the pandemic illustrates the risk.

The experience with COVID-19 disease during the pandemic illustrates the challenges of managing outbreaks in the County jails. Outbreaks of COVID-19 in the Santa Barbara County Jails were severe and poorly prevented or contained. In February of 2021, 26 inmates contracted COVID-19. Subsequently, in August of 2021, 83 additional inmates and 5 staff contracted COVID-19. In December of 2021, another outbreak of COVID-19 occurred at the Santa Barbara County Main Jail, when 249 inmates contracted the disease, nearly a quarter of the jail's population. In May of 2022, 64 further COVID-19 cases occurred at both the Main Jail and the Northern Branch. During these outbreaks, 338 staff members of the Sheriff's office also contracted the disease.

METHODOLOGY

The Jury conducted the following:

1. Interviews with public health officials, infectious disease physicians, and staff of the California Department of Public Health involved with the California Immunization Registry (CAIR), researchers from the University of California, Santa Barbara, staff of California Forensic Medical Group, Inc. (Wellpath) and, staff of the County of Santa

Barbara Health Department (County Health) and Santa Barbara County Office of Education.
2. Review of data from the websites of the County of Santa Barbara Health Department, the California Department of Public Health and CAIR, the Centers for Disease Control and Prevention (CDC), and the World Health Organization (WHO).
3. Review of published scientific literature and news articles (see References section at the end of this report).

DISCUSSION

Vaccination in Children Attending School

The vaccination team of County Health has demonstrated that they are dedicated to meeting state law requirements for vaccinations in children attending public and private schools. They have done an exemplary job of educating schools on vaccination requirements and collecting data on compliance. The rates of vaccination in children attending Santa Barbara public and private schools exceed the state averages and are above the 95 percent threshold to protect herd immunity.

California does not allow exemptions for religious preference or for personal belief. Families with students attending public and private schools in Santa Barbara have complied with this law.

There are vaccination exemptions allowed for children for legitimate medical reasons, such as immunosuppression. Such exemptions require certification by physicians who are registered with the State (CAIR). The rate of reported medical exemptions in Santa Barbara County school children is approximately 1 percent, consistent with the numbers in other California counties.

County Health Department does not collect data on vaccination status for children who are home-schooled. A 2020 report documented that 8.7 percent of California children were being educated in home school; the number of home-schooled children was increasing, and this trend was likely to continue. There are no data available on the number of home-schooled children in Santa Barbara County. Thus, the number of unvaccinated children attending home schools in Santa Barbara County is unknown (Reference 39-40).

Vaccination Rates in Adults in Santa Barbara County

Adults comprise more than 75 percent of the Santa Barbara County population. County Health has not studied, nor does it have data on the vaccination status of this adult population. Thus, the vaccination rates of adults in Santa Barbara County are unknown.

Potential data regarding the adult vaccination rates in Santa Barbara County could be available from the California Immunization Registry (CAIR). CAIR is the primary statewide vaccine

database used by healthcare providers, schools, and public health officials. It records vaccines administered in and reported by clinics, pharmacies, hospitals, and public health departments. The primary function of CAIR is to provide vaccination information on individuals. California residents can request their personal vaccine records from CAIR online, and healthcare providers can access the CAIR database to obtain the vaccination status of individual patients.

At the present time, CAIR does not provide aggregated population data on vaccination rates, neither at the state nor county level. In discussion with California Department of Public Health and County Health Department staff involved with CAIR, there is acknowledgement that useful population vaccination data could be extracted from the CAIR database. However, at the present time, this has not been done.

How Could Santa Barbara County Obtain Data on Adult Vaccination Rates?

There are several additional methods which have been utilized in other populations to estimate adult vaccination rates. These include:

- The Centers for Disease Control and Prevention has a population Immunization Survey Tool. This tool utilizes statistical samples of populations to determine rates of vaccination against multiple diseases. A survey in Santa Barbara utilizing this tool could estimate the adult vaccination rate. Survey results could also identify whether there may be certain vulnerable populations within the County that may have especially low vaccination rates (Reference 41).
- Pharmacies have data related to the vaccines they administer. This data could be obtained from the pharmacies for study.
- Insurance claims help track vaccine uptake across different demographics. Such data could be collected to provide information on the number of adults receiving vaccinations.
- Current wastewater testing technology allows antibody testing to estimate the degree of immunity in the community. This technology is new but is rapidly developing. Wastewater testing has the additional benefit of acting as an early indicator to detect the presence of a disease outbreak in the community (Reference 42-43).
- Individuals who do not know their immunization status can have their immunity tested with blood tests (titers). This method can also be utilized in specific high-risk populations such as jails or chronic care facilities to determine vaccination rates, both in individuals and in populations (seroprevalence). For example, Genesis Healthcare, a national network of nursing homes, uses titers for staff and residents with uncertain vaccination records. As another example, the California Department of Corrections and Rehabilitation uses MMR and hepatitis B titers to check immunization status of high-risk prisoners. In 2020, the Santa Clara County Public Health Department performed a community-based seroprevalence study using titers on sample populations to estimate the incidence of immunity against COVID-19 (Reference 44-46).

These methods, used alone or in combination, can be utilized to determine vaccination rates in populations. Data could be obtained to estimate vaccination rates not only in the population as a whole, but also in vulnerable communities within the population. Obtaining these data is an important first step in assessing the need for vaccination improvement, both in the overall population and in subsets who would benefit from vaccination outreach efforts tailored to address barriers such as culture and language.

At the current time, none of these methods have been utilized to measure adult vaccination rates in Santa Barbara County.

Public Education and Information

County Health Department has engaged in public education to attempt to increase community vaccination rates. County Health maintains an immunization webpage (https://www.countyofsb.org/1637/Immunization) that provides excellent information. Most of the County Health information and educational effort has focused upon school vaccinations and seasonal respiratory vaccinations such as influenza.

To its credit, County Health released a statement in March 2025 to the local press recognizing that measles was a threat in Santa Barbara County and recommending that the public get vaccinated (Reference 47). However, the public statement did not identify where or how individuals could receive vaccinations, nor did the statement identify which groups in Santa Barbara County may be at particular risk.

Furthermore, to date there have not been sufficient initiatives or resources allocated to identify, educate, and provide access to adult populations who may not have received childhood vaccinations. Additional efforts which would have further benefit include:

1. Public Education & Awareness Campaigns
    - Publish reliable information to dispel vaccine misinformation.
    - Leverage media – social media, TV, radio, and community events can spread vaccine awareness.
    - Personalize messaging – Tailor outreach for different communities, addressing specific concerns such as cultural and ethnic differences.
2. Improve Access & Convenience
    - Offer vaccines in more locations – Pharmacies, workplaces, schools, and community centers.
    - Mobile & pop-up clinics – Bring vaccines to underserved or rural areas.
    - Extend clinic hours – Evening and weekend availability can help working individuals.
3. Partner with Healthcare Providers
    - Train doctors & nurses – Ensure they consistently recommend vaccines.

- Use reminder systems – Texts, calls, or emails to notify people when they're due for shots.
- Integrate vaccines into routine care – Offer them during regular check-ups.

4. Implement Policy & Mandates
    - School & workplace requirements – Enforce vaccination for students and employees in healthcare or public service.
    - Financial incentives – Discounts on insurance, tax credits, or small rewards for getting vaccinated.
    - Remove financial barriers – Ensure vaccines are free or low-cost through public programs.
5. Engage Community Leaders & Influencers
    - Partner with faith-based, non-profit, and cultural organizations – Trusted leaders can encourage vaccination.
    - Use peer ambassadors – Train community members to advocate for vaccines.

Combining these strategies can increase trust, accessibility, and motivation, leading to higher vaccination rates and better public health outcomes.

Vaccinations in Santa Barbara County Jails and the Juvenile Justice Center

Medical care in the County jails is provided by Wellpath. The County Board of Supervisors has designated County Health to oversee the medical care provided by Wellpath. At the present time, the Santa Barbara County contract with Wellpath does not require that medical providers check inmates for childhood vaccination status, nor that they provide childhood vaccinations to those who are unvaccinated.

The County's jails do not include determining childhood vaccination status in their medical intake or evaluation processes. As a result, neither County personnel nor Wellpath employees have any information about whether or not inmates have received childhood vaccinations. The Sheriff's Office, working with Wellpath, has not established a program to offer vaccination to inmates who have not received childhood vaccinations. Thus, the number of unvaccinated in the County's jails is unknown.

The only vaccination that has been administered in the County's jails over the past three years is the influenza vaccine. This is also the only vaccine stocked in the jails' pharmacies. In 2023, 46 influenza vaccines were administered in the jails; in 2024, 46 doses were administered. No influenza vaccines have been administered as of March 2025.

The County jail pharmacies do not store or provide any childhood vaccinations. There is no record of a childhood vaccination being administered in the County's jails over the past three years.

As the vaccination status of inmates is unknown, there is also no process to isolate unvaccinated individuals from the general jail population.

In contrast, the Juvenile Justice Center of Santa Barbara County does have a robust vaccination program administered by Wellpath. Medical staff at the Juvenile Justice Center inquire about childhood vaccination status on intake of all new detainees. In addition, the vaccination history of new detainees with undocumented vaccination status is verified with the California Immunization Registry. The Juvenile Justice Center pharmacy stores and dispenses a variety of vaccines, including vaccines against MMR, Varicella, Hepatitis A and B, Tdap, polio, HPV, meningitis, influenza and COVID-19.

CONCLUSION

Vaccination rates against childhood diseases have decreased in many communities in the United States. As a result, there has been a disturbing trend of new outbreaks of dangerous diseases across the County. In the overall Santa Barbara County population, the vaccination rates against childhood diseases are unknown. If the numbers of vaccinated individuals have fallen below herd immunity thresholds, our County is also at risk of outbreaks.

The Jury recommends that County Health carry out studies to determine childhood vaccination rates. These studies should focus upon adults, and be inclusive of diverse populations, including immigrants and migrant workers. In addition, the Jury recommends that two particular at-risk populations require special attention: children who are receiving home schooling, and inmates in the County jails.

COMMENDATIONS

1. The 2024-25 Santa Barbara County Grand Jury commends the County of Santa Barbara Health Department for its work in achieving high vaccination rates among children in public and private schools.

2. The 2024-25 Santa Barbara County Grand Jury commends the Santa Barbara County Probation Department for its work in monitoring and achieving high vaccination rates in incarcerated youths.

FINDINGS AND RECOMMENDATIONS

Finding 1: The lack of County-wide childhood vaccination data for homeschooled children means that County Health knowledge of community immunity levels is incomplete.

Recommendation 1: The Grand Jury recommends that the County Board of Supervisors require County Health to study and estimate childhood vaccination levels of homeschooled children in the County. To be implemented by December 1, 2025.

Finding 2: The lack of County-wide childhood vaccination data for adults means that County Health knowledge of community immunity levels is incomplete.

Recommendation 2: The Grand Jury recommends that the County Board of Supervisors require County Health to study and estimate childhood vaccination levels of adults in the County. To be implemented by December 1, 2025.

Finding 3: The Sheriff's Office has not determined childhood vaccination rates of inmates in County jails, potentially placing the inmates and staff at risk.

Recommendation 3: The Grand Jury recommends that the Sheriff's Office collect data during health intake screenings at the County's jails to determine childhood vaccination rates. To be implemented by December 1, 2025.

Finding 4: There is no program in place at the County's jails to provide childhood vaccinations to unvaccinated inmates, increasing risk for the inmates and staff.

Recommendation 4: The Grand Jury recommends that the Sheriff's Office implement a program to administer required childhood vaccinations to unvaccinated inmates. To be implemented by December 1, 2025.

Finding 5: There is no procedure in place at the County's jails on when or how to isolate unvaccinated inmates, increasing potential risk of a disease outbreak in the jails.

Recommendation 5: The Grand Jury recommends that the Sheriff's Office develop and enforce a procedure on when and how to isolate unvaccinated inmates. To be implemented by December 1, 2025.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests that each entity or individual named below respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors - 90 Days
Findings 1, 2, 3, 4, 5
Recommendations 1, 2, 3, 4, 5

Santa Barbara County Sheriff's Office - 60 Days
Findings 3, 4, 5
Recommendations 3, 4, 5

GLOSSARY

The California Immunization Registry (CAIR): The California vaccine registry developed in 1997 that contains information on individuals who have been vaccinated.

Childhood Vaccinations: Immunizations required by the State of California to be given to infants, children, and adolescents to protect them from serious infectious diseases.

Chicken Pox (also known as Varicella): A highly contagious viral infection. It primarily affects children but can occur at any age. The disease is usually mild, but can result in hospitalization and death, especially in high-risk populations.

COVID-19: A highly contagious viral infection, usually spread by airborne droplets from infected individuals.

Diphtheria: A serious bacterial infection that is highly contagious. Diphtheria can cause severe disease resulting in hospitalization and death.

Endemic: A disease that is consistently present within a population. Unlike epidemics, endemic diseases persist over time without causing large-scale outbreaks.

German Measles: See Rubella

Herd Immunity: A form of indirect protection from infectious diseases that occurs when a large percentage of a population becomes immune to infection.

Influenza: A highly contagious seasonal viral infection spread by respiratory droplets from infected individuals. It can result in serious complications, hospitalizations, and deaths.

Santa Barbara Juvenile Justice Center: The Santa Barbara County facility focusing on the detention, rehabilitation, and supervision of minors who have been detained. It is operated by The Santa Barbara County Probation Department.

Measles: An extremely contagious viral infection spread by respiratory droplets from an infected individual. Measles can result in hospitalization and death, and in serious complications including pneumonia, brain inflammation, and blindness.

MMR: The vaccine against measles, mumps and rubella.

Mumps: A viral infection spread by respiratory droplets or contact with contaminated surfaces. It can cause severe disease resulting in hospitalization and death.

Pertussis (also known as whooping cough): A highly contagious bacterial infection caused by the bacterium Bordetella pertussis. It can result in serious complications, hospitalization, and death, especially in infants.

Polio (also known as poliomyelitis): A highly contagious viral disease that can lead to serious complications (including paralysis) and death. Polio was previously nearly eradicated worldwide but remains endemic in parts of the world where vaccination rates are low.

RSV (Respiratory Syncytial Virus): A highly contagious virus spread through respiratory droplets or direct contact. It can cause severe disease, especially in infants and older individuals.

Rubella (also known as German Measles): A highly contagious viral infection spread by respiratory droplets. Rubella is especially dangerous for pregnant women, as it can cause severe birth defects.

Seroprevalence: The use of blood tests (titers) to determine the number of individuals in a population who have immunity against an infectious disease.

Shingles (also known as herpes zoster): A painful infection caused by reemergence of the latent varicella virus.

Tdap: The immunization against tetanus, diphtheria, and pertussis.

Tetanus: A serious bacterial infection caused by bacterial spores entering the body through cuts, wounds, or burns.

Titer: A blood test performed on an individual to determine whether antibodies are present to indicate immunity to a specific disease.

Vaccine hesitancy: Vaccine hesitancy refers to a delay in acceptance or refusal of vaccines despite the availability of vaccination services. It is influenced by factors such as mistrust in healthcare systems, misinformation, cultural or religious beliefs, concerns about vaccine safety, and complacency regarding disease risk.

Varicella: See chicken pox.

Whooping cough: See pertussis.

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APPENDIX

Vaccinations Not Covered by This Report

Vaccinations for Respiratory Viruses

1. COVID-19 Vaccination

COVID-19 vaccines have been developed to protect against the SARS-CoV-2 virus, which causes COVID-19. Several vaccines are available, including mRNA vaccines (Pfizer-BioNTech and Moderna) and viral vector vaccines (Johnson & Johnson). These vaccines are not 100% effective in preventing infections nor in eliminating contagiousness but have proven effectiveness in reducing severe illness and death. However, COVID-19 vaccinating has been disappointing in not providing herd immunity. This is in part because the coronavirus rapidly mutates, making immunologic protection temporary.

2. Influenza Vaccination

The influenza vaccine is administered annually to protect against the flu, a respiratory illness that can lead to severe complications, especially in young children, the elderly, and individuals with certain health conditions. The efficacy of the influenza vaccine varies by year, as the virus continuously mutates. Although influenza vaccine is not 100% effective, it does decrease the risk of becoming infected and decreases the severity of disease and risk of hospitalization and death if infection occurs. However, the influenza virus mutates, so immunity is seasonal at best. Thus, the influenza virus does not provide permanent herd immunity.

3. Respiratory Syncytial Virus (RSV)

RSV is a common respiratory virus that can cause severe disease, especially in infants and older adults. To combat this, childhood and adult vaccines have been approved. Herd immunity is not achieved by RSV vaccination, but individuals are protected. Nirsevimab is recommended for all infants younger than eight months. While not a true vaccine, it is a monoclonal antibody that provides protection for approximately five months, covering the typical RSV season duration. For adults older than 60, several vaccinations against RSV are available.

4. Pneumococcal vaccines

Pneumococcal vaccines protect against pneumococcal disease caused by pneumococcus bacteria, which can cause pneumonia, meningitis, and bloodstream infections. These vaccines do not result in herd immunity but are protective against severe disease in high-risk individuals. They are recommended for children under 2 years old, adults over 65, and individuals with certain health conditions.

5. Hemophilus influenza vaccinations (H. Flu)

H. Flu vaccination protects against infections caused by the Hemophilus Influenza virus, which can cause serious disease in infants and young children but is also a risk in certain adult populations, such as individuals with kidney disease and those with weakened immunity.

Vaccines for Other Viruses Proven to Benefit Individuals and Special Populations

1. Hepatitis A

Hepatitis A is primarily transmitted through ingestion of contaminated food or water but can also be transmitted through sexual contact or illicit drugs. Hepatitis A vaccinations may provide some degree of herd immunity, particularly in high-risk populations. Hepatitis A vaccination is recommended for children as well as for high-risk adults and for international travelers.

2. Hepatitis B

Hepatitis B is a viral infection that can lead to acute infections of the liver. In addition, chronic hepatitis B infection can lead to cirrhosis and liver cancer. Hepatitis B may be spread from infected mothers to babies, through sexual transmission, or through blood-blood. Herd immunity against hepatitis B may be achieved if 50-80 per cent of a population is vaccinated. The CDC recommends hepatitis B vaccination for all children and adults.

3. HPV (Human Papillomavirus) Vaccine

The HPV vaccine protects against the human papillomavirus. While a threshold for achieving herd immunity is not established for HPV, vaccination has been demonstrated to reduce the prevalence of the disease. HPV is usually asymptomatic, but infection is associated with developing several cancers, including cervical cancer, as well as genital warts. HPV is primarily transmitted by sexual contact with infected individuals. It is recommended for preteens and young adults.

4. Meningococcal Vaccine

The meningococcal vaccine protects against meningococcal disease, a serious bacterial illness that can cause meningitis and bloodstream infections. Transmission occurs through respiratory droplets or close contact with an infected person. Herd immunity against meningococcus has not been clearly demonstrated, as there are different types of the disease, and efficacy of immunization may also decrease over time. However, meningococcal vaccination in high-risk populations has been shown to significantly reduce the risk of disease. Vaccination is especially recommended for adolescents and young adults, particularly those living in close quarters such as dormitories, as well as in some high-risk populations such as those in sub-Saharan Africa.

5. Shingles Vaccine

The shingles vaccine protects against shingles, a painful rash caused by the reactivation of the varicella-zoster virus (the same virus that causes chickenpox). It is recommended for adults over 50 years old.

6. Rotavirus Vaccine

Rotavirus is a highly contagious virus that causes severe gastroenteritis, particularly in infants and young children. Oral vaccines protect against severe infections and are recommended for administration as a two-dose series, beginning in infancy.

7. Tetanus Vaccine

Tetanus is a serious bacterial infection caused by bacterial spores entering the body through cuts, wounds, or burns. Previously common in the United States, tetanus is currently rare due to the widespread administration of tetanus vaccine to children. Elsewhere in the world, where vaccination rates are low, tetanus remains a common cause of serious illness and death. Tetanus vaccine does not achieve herd immunity, as the disease is not spread between people. However, the vaccine offers enormous individual benefit.

Travel Vaccinations

These vaccines are not meant to provide herd immunity but are protective for individuals traveling to locations where infections may be present. They may also be required for entry into certain countries.

1. Yellow Fever Vaccine

The yellow fever vaccine is required for travel to certain countries in Africa and South America. Yellow fever is a viral disease transmitted by mosquitoes, and vaccination is necessary to prevent outbreaks.

2. Typhoid Vaccine

The typhoid vaccine protects against typhoid fever, a bacterial infection spread through contaminated food and water. It is recommended for travelers to areas where typhoid is common.

3. Rabies Vaccine

The rabies vaccine is recommended for travelers who may be at risk of exposure to rabid animals, particularly in areas where rabies is prevalent. Rabies is a fatal viral illness if not treated promptly.

4. Cholera Vaccine

Oral cholera vaccines are available for travelers who may be at risk of disease from contaminated water. The protection from these vaccines is limited to a period of months.

Other Vaccines

1. Smallpox Vaccine

The smallpox vaccine was the first successful vaccine to be developed and has played a crucial role in the eradication of smallpox, a devastating infectious disease. The World Health

Organization declared smallpox eradicated in 1980, thanks to an extensive global vaccination campaign. Although smallpox is not a current naturally occurring threat, the vaccine is still produced and stored as a precautionary measure against potential bioterrorism.

2. M-Pox Vaccine

The M-Pox vaccine is designed to protect against monkeypox, a viral disease similar to smallpox but generally less severe. The vaccine is recommended for individuals who may be at high risk of exposure, such as laboratory personnel, certain healthcare workers, and individuals participating in M-pox outbreak response efforts. While its efficacy is uncertain, it could be a useful public health resource for high-risk individuals or if an M-Pox outbreak became widespread.

3. Anthrax Vaccine

Anthrax is a serious infectious disease caused by the bacterium Bacillus anthracis. The anthrax vaccine is primarily recommended for individuals who are at higher risk of exposure, such as military personnel, laboratory workers handling anthrax, and individuals who work with animals or animal products that may be contaminated. The vaccine can help prevent all three types of anthrax infections: cutaneous, inhalation, and gastrointestinal. Anthrax vaccine would become a valuable public health resource in the event of a bioterrorism attack.

4. Malaria Vaccine

The malaria vaccine is a groundbreaking development in the fight against malaria, a mosquito-borne disease caused by Plasmodium parasites. Malaria remains a significant global health challenge, particularly in sub-Saharan Africa, where it is a leading cause of illness and death. The vaccine offers a promising tool for reducing the burden of malaria, especially among young children who are most vulnerable. It is currently recommended for use in areas with moderate to high malaria transmission and is administered in multiple doses to ensure optimal protection.

4.Ebola Vaccine

Vaccines against the Ebola and other hemorrhagic fever virus, such as Marburg disease, have been developed but have largely only been tested in animal models. They are not currently widely utilized but might be a valuable tool in case of a large-scale outbreak.

5. HIV Vaccine

The HIV vaccine is a critical advancement in the fight against the Human Immunodeficiency Virus (HIV), which causes AIDS. Despite significant progress in treatment and prevention, HIV remains a major global public health issue, particularly in regions like sub-Saharan Africa. The development of an effective HIV vaccine has been a challenging endeavor due to the virus's high mutation rate and ability to evade the immune system. Current research includes various approaches such as vector-based vaccines, protein subunit vaccines, and mRNA vaccines. While

no fully effective HIV vaccine is available yet, ongoing clinical trials and scientific breakthroughs provide hope for a future where HIV can be prevented through vaccination.

6. ZIKA Vaccine

The Zika vaccine is a significant stride in combating the Zika virus, which has emerged as a notable public health threat in recent years. Transmitted primarily by Aedes mosquitoes, the Zika virus can cause severe birth defects in unborn children when pregnant women are infected. The development of a Zika vaccine has been driven by the urgency to protect those most at risk, particularly in regions prone to mosquito-borne diseases.

Vaccination efforts have focused on creating immunity in populations where Zika virus outbreaks are likely, including parts of South America, Central America, and the Caribbean. Researchers are exploring various vaccine platforms, including DNA-based vaccines, inactivated virus vaccines, and vector-based vaccines, to ensure safe and effective immunization.

Clinical trials have shown promising results, with several vaccine candidates moving forward in the development pipeline. The Zika vaccine aims to provide long-term immunity and prevent the severe consequences associated with congenital Zika syndrome. As these vaccines become more widely available, they will play a crucial role in safeguarding vulnerable populations and curbing future outbreaks.

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WATER MANAGEMENT IN SANTA BARBARA COUNTY



FILED JUNE 13, 2025

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WATER MANAGEMENT IN SANTA BARBARA COUNTY

Keep Up the Good Work

SUMMARY

Water availability has been a concern in the region of Santa Barbara County since the earliest settlements of the Chumash. The most recent drought, ending in 2023, refocused attention on the need to both conserve water and to seek new sources. Water scarcity is an ongoing fact of life in the County. The unique geography of the South Coast makes it particularly susceptible to drought; however, the entire County faces a scarcity of both ground and surface water.

Historically, groundwater resources have been depleted by both agricultural and urban uses, without regard for sustainability. Seawater intrusion into our aquifers due to overuse of the groundwater is a real threat.

The last three winters have seen heavy precipitation across Santa Barbara County leading to full reservoirs and somewhat replenished aquifers. Nevertheless, complacency is not a luxury County residents can afford. As another drought is inevitable, the 2024-25 Santa Barbara County Grand Jury (Jury) undertook an investigation to determine whether Santa Barbara County as a whole is adequately prepared.

The Jury reviewed ongoing concerns about water availability, particularly in light of state-mandated increases in housing in the County. The Jury considered the recommendations of past Grand Juries regarding the water management situation in the County and found that circumstances have substantially improved since the issuance of these previous reports. The professionalism and commitment of all individuals interviewed as well as the high degree of constructive coordination among the County Water Agency, local water districts, and local groundwater sustainability agencies impressed the Jury.

BACKGROUND

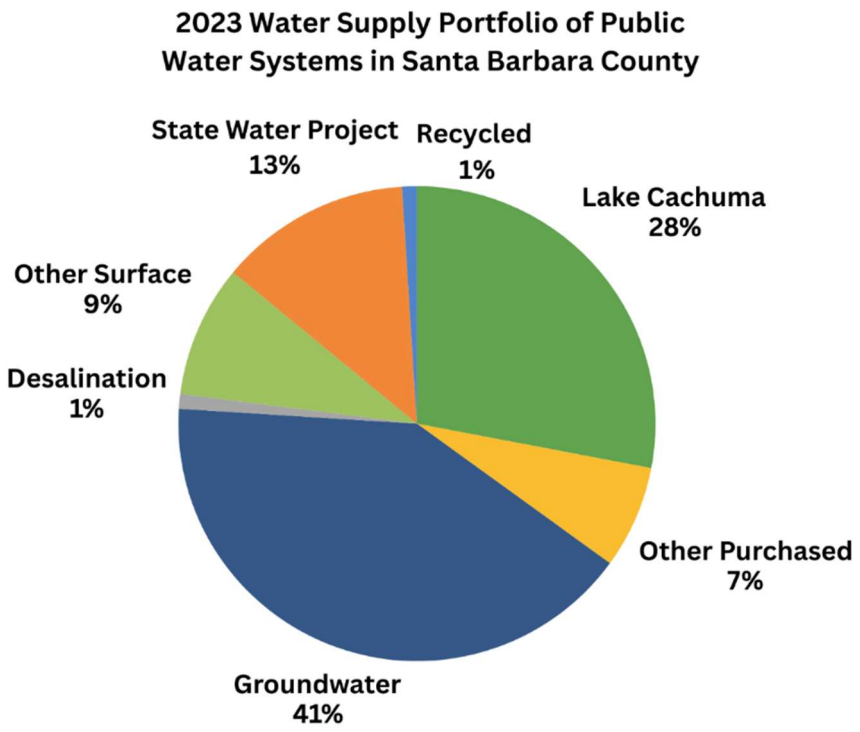
Santa Barbara County is not small. Although all of the County must contend with water supply issues, the conditions in different parts of the County can vary greatly. For example, the weather station at Gibraltar Dam records an annual average rainfall of 26.5 inches, Santa Barbara City has an average of 18.5 inches, and Santa Maria records an average of only 13.4 inches. In addition, those averages don't show the extreme variability from year to year in the County's rainfall: of the last 10 years, six have had below average rainfall (only 48 percent of average in 2021) and four have had above average rainfall (203 percent in 2023).

Water Sources

Because of our mountainous topography, there are several watersheds in the County, each independent of the other. The Cuyama River follows the northern boundary of the County for much of its path and feeds a largely agricultural area until it flows into the reservoir created by Twitchell Dam. Water is released from the dam as needed for the Santa Maria River and to replenish the groundwater used by Santa Maria and other communities in the North County.

Much of the water for the County comes from the Santa Ynez River. It flows through the center of the County and feeds the groundwater needs for the communities of Solvang, Santa Ynez, Buellton and Lompoc. It also supplies much of the water used by South Coast communities from reservoirs created by dams: the Gibraltar Reservoir was created by the Gibraltar Dam in 1920; the Jameson Reservoir was created by the Juncal Dam in 1930; and Lake Cachuma was created by the Bradbury Dam in 1953. There are tunnels through the mountains from each of these reservoirs that carry water to the South Coast.

Figure 1



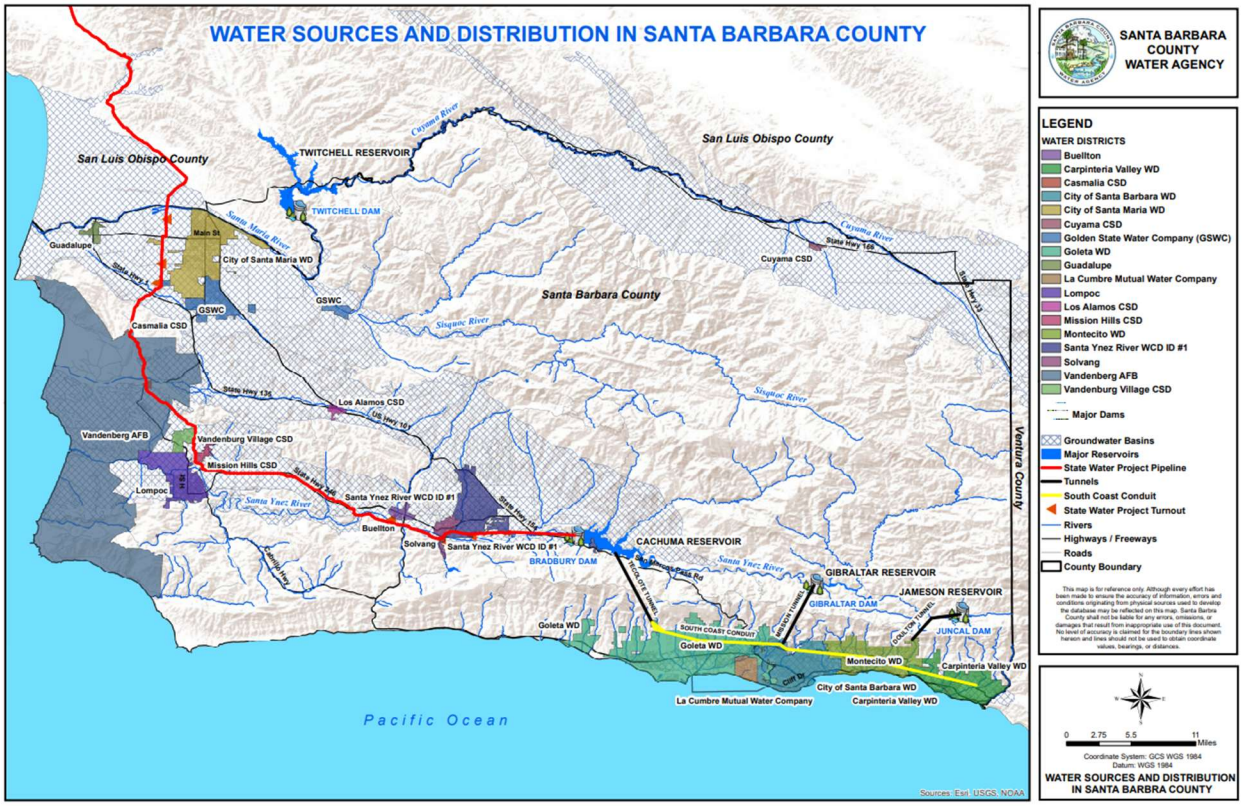
Source: WaterWise Santa Barbara

Lake Cachuma is the major water source for most of the South Coast water. Up to 65 million gallons can flow through the Tecolote tunnel each day; the Goleta Water District diverts about 5 million gallons daily to its water treatment plant, and the rest goes into a tunnel that feeds Santa Barbara, Montecito and Carpinteria.

The California State Water Project provides water to some County communities. That water flows from Northern California into Lake Cachuma as required. The City of Santa Barbara, the City of Santa Maria, the Montecito Water District, the Santa Ynez River Water Conservation District, Improvement District No. 1, the City of Buellton, the Goleta Water District, the City of Guadalupe, and the Carpinteria Valley Water District all have contracts with the State that allow access to that water. However, this source is unreliable and much more expensive than other resources; it is used only in times of severe drought.

The many sources of water used in Santa Barbara County are shown above in Figure 1. Figure 2 shows that those sources are widely distributed throughout the County.

Figure 2



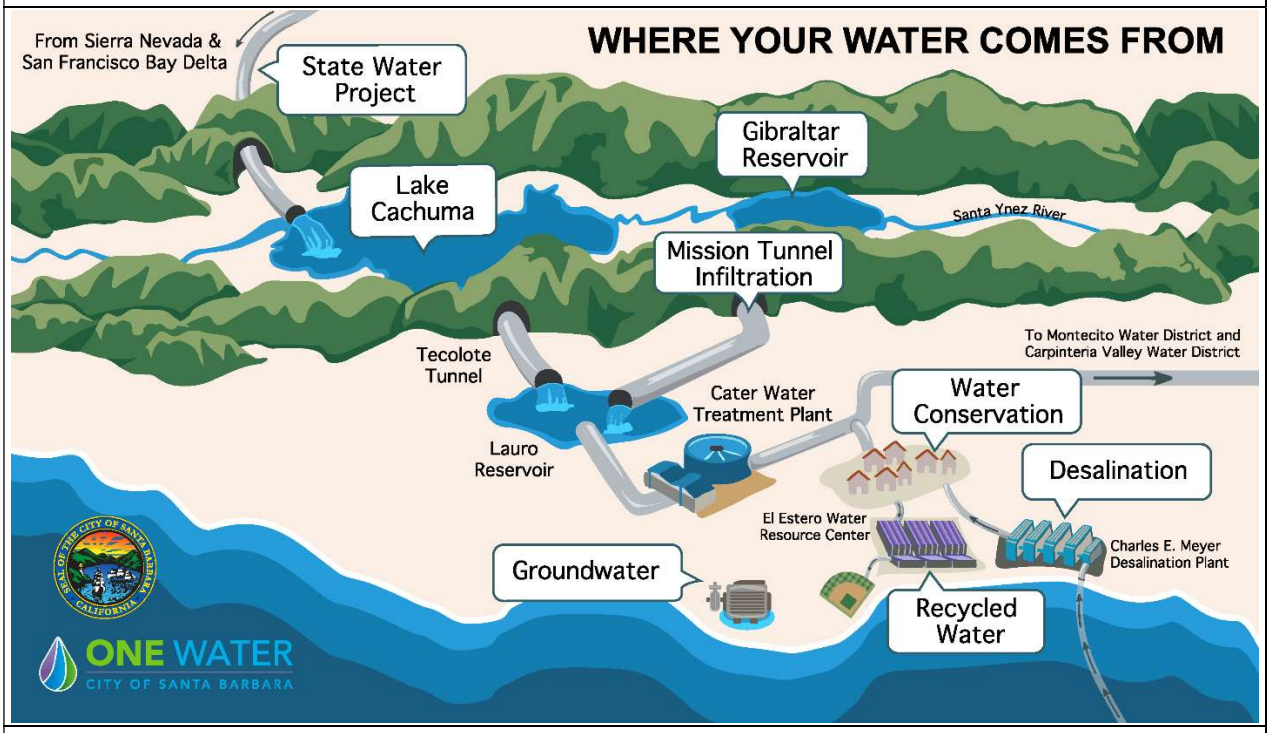
Source: County of Santa Barbara Public Works

The City of Santa Barbara was one of the first cities in California to incorporate desalinated water into its program in the 1980s. Its first plant was completed in 1992 at a cost of $34 million, shared with Montecito and Goleta. Because of the abundant rainfall in that and subsequent years, the plant was put into standby mode, and a portion of the reverse osmosis membrane equipment was sold. Not until 2015, in response to exceptional drought conditions, did the City Council vote to modernize and reactivate the plant. In May 2017, at a cost of $72 million, partially offset by a $10

million grant from the State Department of Water Resources, the plant began contributing water into the City's water system. The plant can now produce up to three million gallons of water per day, or about 30 percent of the City population's current needs. Plans are underway to expand the existing plant to meet future needs as the City's population grows. The plant's design is modular, so its expansion is cost effective and only limited by the physical space it will occupy.

Several local communities also have successful programs to recycle wastewater to meet the demand for non-potable water. The City of Santa Barbara and the Goleta Water District are particularly successful utilizing this supplemental source. Figure 3 illustrates how the City of Santa Barbara gets its water.

Figure 3



Source: City of Santa Barbara Public Works Department

Water Management

A number of different entities manage the distribution and conservation of water in the County:

- Cities have the responsibility for supplying water to their residents, although they may contract with private companies to provide that service, as Santa Maria does with the Golden State Water Company.
- Water districts are generally charged with the distribution of water to end users and are responsible for water supply, quality, and infrastructure. There are water districts in the Carpinteria Valley, Montecito, Goleta Valley, and the central portion of the Santa Ynez Valley, including the communities of Solvang, Santa Ynez, and Buellton. Similar functions

are performed by community services districts in smaller communities such as Cuyama, Los Alamos, and Vandenberg Village. These are independent special districts governed by elected boards.

- Mandated by the State's 2014 Sustainable Groundwater Management Act (SGMA), Groundwater Sustainability Agencies (GSAs) are responsible for managing groundwater resources and watershed basins identified as having over-drafted groundwater. Their mandate is to bring basins into balance between pumping and recharge. There are GSAs for the Carpinteria Valley, Montecito, the San Antonio Creek Valley, the Cuyama Valley, and the Santa Ynez Valley. Generally, these agencies have been created by the local water districts and community services districts work closely with them.

The GSAs are required to develop plans to balance extraction with recharge while considering factors like aquifer characteristics and the area's climate. Key aspects of groundwater basin management include:

- Monitoring groundwater levels and collecting data on groundwater usage.
- Creating a groundwater sustainability plan (GSP) as required by the Sustainable Groundwater Management Act. These plans provide a roadmap to sustainability by obtaining and assessing data on current water usage and groundwater resources, identifying sustainable groundwater levels, and developing policies and tools to restore groundwater resources.
- Monitoring aquifer recharge.
- Planning and coordinating water use and groundwater replenishment by managing surface and groundwater resources.
- Using data to create water basin computer models.
- Communicating issues of groundwater management and the need for replenishment with residents, farms, and businesses within the basin.
- Monitoring and enforcing compliance with groundwater regulations.

All GSAs in the County now have plans in place that have been approved by the California Department of Water Resources to ensure long-term groundwater sustainability.

The County also has its own Water Agency to monitor water resources and work with other agencies as required, creating such initiatives as "WaterWise Santa Barbara," which seeks to inform, educate, and encourage water conservation. The County Water Agency has the specific responsibility to contract with the State and the federal government for water supplies. It also conducts a cloud seeding program to increase precipitation.

Water districts in all of Santa Barbara County know and understand that the drought cycle is a fact of life. Recognizing that fact, water districts face challenges in providing water for residential, commercial, and agricultural needs as well as meeting state-mandated housing requirements.

METHODOLOGY

The Jury reviewed previous Grand Jury reports and recommendations as well as documents prepared by many of the entities that are involved in the supply and management of water in Santa Barbara County. We interviewed staff of the following:

- Santa Barbara County Water Agency
- Goleta Water District
- Carpinteria Valley Water District
- Carpinteria Groundwater Sustainability Agency
- Santa Ynez River Water Conservation District, Improvement District No. 1
- San Antonio Basin Water District
- San Antonio Basin Groundwater Sustainability Agency
- Santa Maria Valley Water Conservation District
- City of Santa Barbara Water Resources Division
- Cuyama Basin Groundwater Sustainability Agency

We also addressed water availability and management issues in interviews with elected officials and senior staff of the County and several cities, including Santa Barbara, Goleta, Carpinteria, Solvang, and Buellton.

Additionally, the Jury toured the City of Santa Barbara's desalination plant and the Goleta Water District's water treatment facility.

A planned visit to the Bradbury Dam and review of local water agency involvement in the management of the water resources in Lake Cachuma was cancelled by the United States Bureau of Reclamation, a federal agency that supervises the dam, due to personnel and policy uncertainty.

DISCUSSION

Each local city, district, and agency has its own unique approach to how it sources, processes, and delivers water to consumers due to the varied geography of North and South Santa Barbara County.

The 2016-17 Grand Jury conducted an extensive review of water management and issued a report recommending, among other things, that the Santa Barbara County Water Agency assume a coordinating role for water management. Although this recommendation of coordination through the County Water Agency was not implemented, it is apparent now that staff of the County Water Agency maintains relations with the other agencies and works collaboratively as necessary. The implementation of the State's Groundwater Management Plan and the requirement for sustainability plans are positive developments in the outlook for water in the County.

The Jury also learned that the residents of Santa Barbara County have responded to public campaigns that emphasize the need to conserve water. For example, the average daily per capita water use in the Goleta Valley Water District is now less than 50 gallons, compared with the state average of 85 gallons per person per day. Agriculture has adapted to water shortages by identifying alternative crops that are still profitable but less thirsty.

Each of the water agencies and districts that the Jury investigated has prepared plans to cover expected water use in the future, to plan for infrastructure improvements, and to develop additional water resources as required. The Jury has reviewed each of these plans and confirmed that they take into account forecasted population growth, changes in agriculture use, groundwater replenishment, climate change, and some new technologies to meet demand. Increased use of recycled water is also included in the plans.

The Jury was particularly concerned that the substantial increases in housing mandated by the State for the next six years could compromise future water supplies. To the contrary, each of the agencies and districts the Jury investigated has plans in place to provide needed water. The rural districts stated that an increase in residential use would not add significantly to future water needs, given the already heavy demand by agriculture. All of the cities the Jury investigated have made provisions to secure additional water for residential use, whether from their traditional sources or from innovative sources such as recycled water or the desalination plant in Santa Barbara.

Despite these overall positive findings, those responsible for treating and distributing water in Santa Barbara County should be aware that there are still issues to be addressed in providing water to its residents:

- Some new technologies can provide needed water, but they are very expensive. For example, water from the desalination plant in Santa Barbara is currently around 75 percent more expensive than treated water from the Tecolote tunnel.[1] Experience has shown that in our "wet" years the commitment to maintaining alternative technologies can wane with the result that communities are forced to invest large sums to recover those capabilities at the next drought.
- All of the infrastructure that serves County residents is aging, and much is in need of repair. Capital plans have been created to replace or repair infrastructure, such as upgrading water pipes, but completing the work will incur significant costs. In this time of restricted budgets and multiple needs, it is important that the commitment to these projects continue.
- It has been seen in the past that a few "wet" years lull the residents of Santa Barbara County into complacency, and water use increases again. It is essential that emphasis on water conservation remains central in agencies and districts' public discussion and outreach about water.

[1] Treated water from the Tecolote tunnel now costs $1,982 per acre/foot. Water from the desalination plant currently costs $3,400 per acre/foot.

CONCLUSION

Water continues to be a scarce resource in Santa Barbara County, one which must be managed if the needs of the County—residential, commercial, and agricultural—are to be met. The Jury investigated the current status of water management in the County and was pleased to learn that not only are the current, relatively abundant, water resources being well managed, but also that all of the agencies the Jury examined have solid plans in progress or ready for implementation for the next inevitable drought.

Water agencies and districts in Santa Barbara County know and understand that the drought cycle is a fact of life. Recognizing this, water agencies and districts face challenges in providing water for residential, commercial, and agricultural needs as well as meeting state-mandated housing requirements. Nevertheless, each entity the Jury interviewed has plans in place to both meet fluctuating drought pressures as well as future demand due to population growth and development.

Yet the people of Santa Barbara County, and the officials tasked with providing their water, should not be complacent in these good tidings. Appropriately meeting Santa Barbara County's water needs in the future requires the maintenance of existing water treatment and distribution infrastructure and a continued insistence on water conservation.

FINDINGS AND RECOMMENDATIONS

Finding 1: Despite community concerns about water scarcity, all of the public entities the Jury investigated that provide and manage water in Santa Barbara County have made proactive plans to fortify against future droughts and provide sufficient water necessary to support future housing growth and commerce.

Finding 2: Despite a 2016-17 Grand Jury finding that limitations existed in coordinating water management, the Jury finds that coordination among different water management entities in the County has improved significantly.

Finding 3: The City of Santa Barbara has gone beyond the basic management of water resources for its residents by utilizing desalination to innovatively expand local water availability.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

City of Santa Barbara – 90 Days

Findings 1, 2, 3

Board of Directors, Santa Barbara County Water Agency – 90 Days

Findings 1, 2

Goleta Water District – 90 Days

Findings 1, 2

Carpinteria Valley Water District – 90 Days

Findings 1, 2

Carpinteria Valley Groundwater Sustainability Agency – 90 Days

Finding 1, 2

Santa Ynez River Water Conservation District – 90 Days

Finding 1, 2

San Antonio Basin Water District – 90 Days

Finding 1, 2

San Antonio Basin Groundwater Sustainability Agency – 90 Days

Finding 1, 2

Santa Maria Valley Water Conservation District – 90 Days

Finding 1, 2

Cuyama Basin Groundwater Sustainability Agency – 90 Days

Finding 1, 2

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CANNABIS TAXATION AND EXPENDITURES



FILED JUNE 20, 2025

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CANNABIS TAXATION AND EXPENDITURES

SUMMARY

The 2024-25 Santa Barbara County Grand Jury (Jury) investigated the current Santa Barbara County cannabis tax revenue and expenditures and how they are reported. During its investigation, the Jury learned that Santa Barbara County's (County) tax revenues from the cannabis industry have been declining steadily since cannabis was approved for recreational use in California in 2018. In this same period of time, the County's expenditures in regulating the cannabis industry have increased. As a result, the expenditures covering the County's cannabis industry-related management and taxation operations (Cannabis Program) are on track to become a financial burden in the near future unless the County takes corrective measures.

The Jury also found that a significant number of growers have left the Santa Barbara County cannabis industry due to high cost of operations, price collapse, and market oversupply in part due to black-market competition.

Currently, budgeting, tax collection, and compliance activities are the responsibility of different agencies and departments in the County. Inefficiencies in the management and required reporting of the Cannabis Program can be mitigated by the creation of a centralized information database that tracks the budget, tax revenues, expenses, and administrative activities related to licensing and compliance. In addition, Cannabis Program spending can be reduced by allocating tax revenues to support only operating expenses directly related to it. Given the volatility of the cannabis market, the Jury further recommends that the County maintain the solvency of the Cannabis Program by ensuring that expenditures do not exceed cannabis tax revenues each year.

This Grand Jury Report was based on an investigation conducted from August 2024 to May 2025. The Report was in the final stages of production on June 3, 2025, when the Santa Barbara County Board of Supervisors initiated significant changes to the County's Cannabis Program, many of which are consistent with the Findings and Recommendations in this Report. This Report was not altered or amended in any way following the Board's actions.

BACKGROUND

On November 8, 2016, California voters passed Proposition 64, which legalized the cultivation and sale of cannabis for recreational and/or medicinal purposes. At that time, even though cannabis

remained illegal under Federal law, the Federal government chose not to interfere with those states that legalized it for recreational and/or medicinal use. Going forward, this legal discrepancy would create a unique challenge for California and Santa Barbara County in developing, implementing, and enforcing a cannabis program. For example, because an IRS Code (26 U.S.C., § 280E) prohibits cannabis businesses from deducting ordinary business expenses, limiting deductions for cannabis cultivators only to the cost of goods sold, cannabis businesses carry a heavier tax burden overall than other types of businesses. Further, because cannabis is still listed as a Schedule I drug (similar to heroin, cocaine, LSD, ecstasy, etc.) under Federal law, many major financial institutions are hesitant to work with cannabis businesses.

Because cannabis is still illegal under Federal law and regulated as a Schedule I drug, California has contracted with METRC Inc, a track and trace technology company, to create a customized version of their Marijuana Enforcement Tracking Reporting Compliance (METRC) software that incorporates the State's regulatory adjustments. This system is called the California Cannabis Track-and-Trace (CCTT) System that is used statewide by cannabis businesses to record the inventory and movement of cannabis and cannabis products though the commercial supply chain of the cannabis industry - "from seed to sale."

With CCTT, every plant is tagged with a tracking number and can be followed from seed germination, through cultivation, to distribution, manufacturing, and finally to retail sale. Santa Barbara County utilizes the State's CCTT system to monitor and confirm that gross receipts from cannabis are being accurately reported by local cannabis businesses to the Santa Barbara County Tax Collector.

Once the industry was legalized at the State level, the County set about developing ordinances to regulate the newly created cannabis industry within the County (Cannabis Program). To assist it in this task, the County hired Hinderliter, de Llamas & Associates (HdL) to develop a tax model for cannabis. HdL's report/recommendation, dated October 14, 2017, was presented to the County's Board of Supervisors on December 14, 2017.[1]

HdL's report listed four possible approaches for the County to tax the various cannabis activities:

- Tax on the cultivation area by square foot;
- Tax on the gross receipts of a cannabis business;
- A per-unit tax on the product by weight or volume; or
- A retail sales tax at point of sale.

[1] See the 2019-2020 Santa Barbara County Grand Jury's Report entitled "Cannabis," p. 15-18. https://sbcgj.org/wp-content/uploads/2022/02/Cannabis.pdf

Ultimately, HdL recommended, and the County agreed, on a tax model that was based on the gross receipts of the various cannabis businesses, with quarterly reporting to the County.[2] The various cannabis business taxable categories and their respective tax rates are:

- Nursery: 1% of gross receipts. Nurseries include operations which, in essence, deal with seedlings, immature plants, and clones.
- Distributor: 1% of gross receipts (excludes Distributors for Transport Only). Distributors are involved in the procurement, sale, and/or transport of cannabis and cannabis products between two or more cannabis businesses.
- Manufacturing: 3% of gross receipts. Manufacturers are those operators who are engaged in the processing, packaging, holding/storing, and labeling of cannabis.
- Cultivation: 4% of gross receipts. Operators are those who plant, grow, (whether indoor or outdoor) and harvest mature plants.
- Retail: 6% of gross receipts. Retailers are those who work in storefront and non-storefront, e.g., web-based, settings.
- Microbusiness: 6% of gross receipts. A microbusiness is a business that is engaged in any of the above-described categories except Nurseries.

Because of declining tax revenues and concerns about the transparency of a cannabis business' gross receipts report, the Jury has focused its investigation on the County's cannabis tax revenue, expenditures, and related administrative processes.

METHODOLOGY

In support of its investigation, the Jury interviewed:

- Santa Barbara County Supervisors
- Santa Barbara County Tax Collector staff
- Santa Barbara County CEO staff
- Cultivators in Santa Barbara County
- Knowledgeable industry observers and analysts

The Jury also reviewed:

- Documents from the Offices of the County CEO, Tax Collector, and the Sheriff's Office
- Tax data from the Santa Barbara County Cannabis Program
- Published articles and literature on cannabis taxation within Santa Barbara County

The Jury also visited the facilities of multiple local cannabis businesses.

[2] See Santa Barbara County Code, Chapter 50A.

DISCUSSION

Cannabis Tax Revenue

While initially the County received a "green rush" of cannabis tax revenue, that revenue has since declined steadily from its high of $15.7 million in 2020-2021 to less than $6 million in 2023-2024. Since 2017, there has been no change in the County's cannabis tax model/structure, which remains based on a cannabis business' gross receipts. Table 1 reflects these declining tax revenues based on the financial data the Jury collected during its investigation.

Issues adversely impacting tax revenues of the County's Cannabis Program include the following factors:

- Market oversupply has caused cannabis prices to drop from approximately $1,200 per pound in 2020 to a low of $250 per pound in 2025[3]
- Competition from out-of-County illegal suppliers has also driven the market price of cannabis down, reducing the profit margins of legitimate cannabis businesses and thereby, reducing their ability to recoup their costs
- Unregulated and cheaper synthetic products have also adversely impacted the sale price of cannabis products
- High tax rates have resulted from the unavailability of Federal tax deductions for cannabis businesses, which means their tax burden, compared to other businesses, is higher
- High cost of permits, licenses, and compliance fees:
  A. Initial Application Fee: Ranging from $5,180 to $10,450, depending on the license type and operational scope
  B. Annual Renewal Fee: Between $2,803 and $4,989
  C. Compliance Management Fee: Fixed fees ranging from $2,593 to $4,276, replacing the previous deposit-based model
- High start-up costs related to infrastructure, security, and maintenance are forcing many of the cultivators out of business because they cannot recoup their initial investments and be profitable

The combined effects of all these factors have led to a steady decline in cannabis tax revenue in Santa Barbara County. The current Cannabis Program revenue in the first quarter of fiscal year 2024-25 was only $1.3 million. This is the lowest first-quarter cannabis tax revenue since the Cannabis Program's inception in 2018.

[3] Burns, Melinda. "The Downward Trend in Cannabis Tax Revenues." *The Santa Barbara Independent*, Published January 27, 2025. https://www.independent.com/2025/01/27/the-downward-trend-in-cannabis-tax-revenues/

Cannabis Tax Expenditures

When Santa Barbara County approved the cultivation, processing, manufacturing, distribution, and sale of cannabis products for recreational use in Santa Barbara County in 2018, the County developed expenditure projections based on the expected "green rush" of cannabis tax revenue.

The initial Cannabis Program operating budget was developed to cover the full cost of staff time associated with licensing, application reviews, compliance checks, renewals and enforcement, and to provide funding for County deferred maintenance and capital projects. Unfortunately, the steady decline in cannabis tax revenue since 2020-2021 is projected to make the Cannabis Program a financial burden to the County in the future after the reserves, which are kept in a dedicated fund, are spent if the cannabis tax revenue and expenditures are not balanced (see Table 1).

Table 1
Cannabis Program Tax Revenues and Expenditures

	Tax Revenue	Ongoing Expenditures	One-time Expenditures	FY Net	Fund Ending Balance
FY 2018-19	$ 6,760,700	$ 2,190,500	$ 2,847,800	$ 1,722,400	$ 1,722,400
FY 2019-20	$ 12,182,200	$ 3,216,500	$ 1,822,300	$ 7,143,400	$ 8,865,800
FY 2020-21	$ 15,746,600	$ 4,889,700	$ 4,056,900	$ 6,800,000	$ 15,665,800
FY 2021-22	$ 8,718,800	$ 7,883,200	$ 2,933,400	$ -2,097,800	$ 13,568,000
FY 2022-23	$ 6,117,400	$ 7,763,000	$ 3,641,200	$ -5,286,800	$ 8,281,200
FY 2023-24	$ 5,770,300	$ 4,291,100	$ 1,055,200	$ -1,148,800	$ 7,132,400
FY 2024-25	*$ 5,411,300*	$ 6,794,500	$ 1,547,400	*$ -2,930,600*	*$ 4,201,900*[4]
FY 2025-26	*$ 5,529,800*	*$ 6,715,900*	*$ 2,682,500*	*$ -3,868,600*	*$ 1,203,700*[5]

Figures in italics are based upon projected estimates.

Since taxes are based on self-reported gross receipts, there has been concern about potential underreporting of cannabis revenue by individual operators. A sum of $300,000 was allocated by the Board of Supervisors to develop a cannabis tax auditing process and perform auditing of cannabis businesses. Hinderliter, de Llamas & Associates (HdL) was hired to assist the County with the development of a cannabis application fee structure, tax structure, and to perform fiscal analysis and audits. HdL completed three audits for a total cost of $27,000 in the fiscal year 2024-2025 with the following results:

- 1 audit completed with no issues;
- 1 audit completed with objections (under review); and
- 1 audit never completed because the business license was relinquished.

The Jury learned that six additional audits are planned for the next fiscal year.

[4] This figure excludes $2,090,600 in earmarks for deferred maintenance and capital projects.
[5] This figure is based on a projected July 1, 2025, fund balance of $5,072,300.

The 2025-2026 Santa Barbara County cannabis compliance and enforcement expenditure allocation of $3,290,800 takes up a large portion of the Cannabis Program budget (see Table 2). However, compliance and enforcement actions are less imperative now that illegal cannabis cultivation activities are declining in the County. In addition, the number of licensed cannabis businesses has also been declining. Consequently, cannabis compliance and enforcement costs should be readdressed to evaluate opportunities for lowering the current enforcement expenditures and the number of personnel supporting cannabis compliance.

Table 2

Cannabis Revenue vs. Compliance and Enforcement Costs

	Tax Revenue	Compliance & Enforcement Costs
FY 2018-19	$ 6,760,700	$ 2,104,300
FY 2019-20	$ 12,182,200	$ 2,711,800
FY 2020-21	$ 15,746,600	$ 2,755,400
FY 2021-22	$ 8,718,800	$ 2,419,400
FY 2022-23	$ 6,117,400	$ 2,391,000
FY 2023-24	$ 5,770,300	$ 3,129,500
FY 2024-25	*$ 5,411,300*	$ 3,242,900
FY 2025-26	*$ 5,529,800*	*$ 3,290,800*

Figures in italics are based upon projected estimates.

Cannabis Tax Oversight, Compliance, and Enforcement

Santa Barbara County has faced significant challenges with its cannabis tax revenue system due to its reliance on self-reported gross receipts from cannabis operators. This approach has led to issues with compliance, transparency, and revenue shortfalls. Current problems include:

- Cannabis businesses can fail to submit tax reports, report zero earnings, or submit late reports. Operators may exploit legal loopholes by selling products to themselves at artificially low prices to minimize tax liabilities.
- The County's Tax Collector staff can have issues with verifying the accuracy of self-reported figures, making enforcement difficult and time-consuming.
- The cannabis-related expenditures associated with oversight, compliance, enforcement, and the County’s planned non-cannabis deferred maintenance and capital projects are projected to surpass the revenues collected from cannabis taxes.
- The County's reliance on self-reported gross receipts has made it difficult to evaluate their accuracy. This self-reporting system has made it challenging for budget analysts to predict revenue and for auditors to ensure compliance.

A further disadvantage is that Santa Barbara County does not have a central cannabis reporting department/program. The County relies on multiple departments, agencies, and programs for cannabis oversight, compliance, and enforcement as shown below:

- The County Executive Office's Cannabis Division oversees the regulation and licensing of commercial cannabis activities, including issuing permits, ensuring compliance with local ordinances, and managing the licensing process.
- The Sheriff's Office is responsible for enforcement against illegal cannabis activities. It also collaborates with multiple agencies and departments to ensure oversight and enforcement of cannabis regulations.
- The County's Department of Planning and Development is required to ensure the proposed activity aligns with zoning regulations and to monitor ongoing compliance.
- A County cannabis business license is issued by the Tax Collector after obtaining a land use entitlement; this license is required for all commercial cannabis operations and must be renewed every year.

Santa Barbara County, as in all of California, continues to struggle with a market oversupply of cannabis largely due to out-of-county illegal competition. Estimates suggest approximately 60% of California's cannabis is sold through illicit channels.

While the illicit cannabis retail market poses a large problem throughout the State, the illicit cannabis cultivation problems have been declining in Santa Barbara County. The Jury discovered that the law enforcement reports filed with the State indicate that there has been negligible illicit cannabis cultivation activity in Santa Barbara County for the past three years. In addition, the Jury learned that the State provides grants to counties to combat illegal cannabis activity; the Santa Barbara County Sheriff's Office received grants from the State in excess of two million dollars for such purposes within the past few years.

CONCLUSION

The Cannabis Program began with the expectation that it would provide a windfall of tax revenue to Santa Barbara County. However, those expectations are no longer being met due to changing market conditions. Cannabis tax revenue has been steadily declining in Santa Barbara County since fiscal year 2021-22. Current County expenditures from cannabis tax revenue on deferred maintenance and capital projects, licensing, monitoring, compliance, and enforcement are projected to become a financial burden to Santa Barbara County in the near future if the current cannabis tax structure and expenditures are not reviewed and revised to account for the continuing decline in cannabis tax revenue.

FINDINGS AND RECOMMENDATIONS

Finding 1: Cannabis tax revenues have been declining due to market oversupply and price collapse, stressing the County's operating expenditures for the Cannabis Program.

Recommendation 1: The Grand Jury recommends that the Board of Supervisors ensure that the Cannabis Program's annual operating expenditures do not exceed annual cannabis tax revenues.

Finding 2: The County's allocation for deferred maintenance and capital project expenses from cannabis tax revenue has not been adjusted to reflect the decline in tax revenue over the past five years.

Recommendation 2: The Grand Jury recommends that the Board of Supervisors revisit its capital projects allocation to be funded by cannabis tax revenues, ensuring that such allocations do not exceed available funds.

Finding 3: Current County budget projections indicate that Cannabis Program ongoing expenditures will exceed expected cannabis tax revenues by $1.1 million in fiscal year 2025-26, posing a burden on County taxpayers.

Recommendation 3: The Grand Jury recommends that the Board of Supervisors prioritize covering the direct operating costs of the Cannabis Program so as to achieve more balanced budgets in the future.

Finding 4: Currently Santa Barbara County's budgeting, tracking, and reporting of cannabis-related revenue, expenses, and compliance violations are decentralized, making it difficult to provide comprehensive and detailed information on demand.

Recommendation 4: The Grand Jury recommends that the Board of Supervisors direct the County Executive Officer to develop an automated and centralized information database to track and report the budget, revenues, expenses, and administrative activities related to licensing and compliance specific to the Cannabis Program.

Finding 5: Despite declining illicit cannabis cultivation activity in the County, a significant portion of the County's cannabis tax revenues continue to be allocated to combat this activity each fiscal year.

Recommendation 5: The Grand Jury recommends that the Board of Supervisors annually re-evaluate the allocation of cannabis tax revenue for combating illicit cannabis cultivation activity in the County.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors - 90 days

Findings 1, 2, 3, 4, 5

Recommendations 1, 2, 3, 4, 5

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SANTA BARBARA COUNTY
SOUTH COAST HOUSING CRISIS



FILED JUNE 23, 2025

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SANTA BARBARA COUNTY SOUTH COAST HOUSING CRISIS
A CALL TO ACTION

SUMMARY

The housing shortage in Santa Barbara County's South Coast, particularly for low- and moderate-income residents, is reaching crisis levels. This growing concern is now a frequent topic at public hearings, advocacy meetings, and in news reports.

The root of the problem is a lack of new housing development for many years. The situation has been made worse by the rise in short-term rentals and an increasing number of second or third homes left vacant for much of the year. While the County has met its obligation under the California Regional Housing Needs Allocation (RHNA) to plan for increased housing supply, there are serious barriers to building this housing, particularly affordable and workforce housing.

Numerous barriers continue to stand in the way of actual construction. These include high land and labor costs, development fees, restrictive zoning, and neighborhood opposition (commonly known as "Not In My Back Yard" or NIMBY). Complex regulations further delay or block projects. The many federal and state programs that offer subsidies for affordable housing are underfunded, oversubscribed, and beset with confusing rules and deadlines. Recent shifts in federal policy have cast uncertainty on the future of these programs.

Although RHNA only mandates planning, not building, housing, the County and cities do have tools to directly facilitate construction. These include expanding ministerial approvals, using objective design standards for accessory dwelling units (ADUs), revising restrictive codes, and rezoning land specifically for affordable and workforce housing.

The 2024-25 Santa Barbara County Grand Jury (Jury) observed that our local governments on the South Coast, local non-profit organizations, many developers, and some employers are striving to create more housing, but much more needs to be done. To truly address the South County's housing needs and meet RHNA goals, local agencies must go beyond planning. They must commit meaningful resources to the actual development of this needed housing.

BACKGROUND

The South Coast of Santa Barbara County is known for its beauty, climate, and geography. Residents have long sought to preserve this unique character, often by supporting regulations that slow housing development. However, due to increasing population and workforce growth, the

region now faces a severe housing shortage, especially for low- and moderate-income families. Currently, more than 65 percent of local workers cannot afford to live in the area and are forced to commute long distances to work. As of March 25, 2025, the City of Santa Barbara Housing Authority (HASB) had 7,732 households on its Section 8 (see Glossary) waitlist. On that date, HASB announced it would pause new voucher issuances due to uncertainty over federal housing funding.

The California State Legislature has long recognized the need for more affordable housing, passing numerous laws over decades to support local governments, agencies, and developers. The State Legislature continues to introduce more legislation aimed at producing more affordable housing.[1]

Since 1969, California's Department of Housing and Community Development (HCD) has required local governments to plan for the housing needs of all income levels through California's Housing Element Law. This planning is guided by the Regional Housing Needs Allocation (RHNA), which assigns housing targets to each region every eight years across six income categories based on the Area Median Income (AMI). In 2024, the AMI for Santa Barbara County was $119,100.

The Santa Barbara County Association of Governments (SBCAG) reviews state-assigned housing targets and distributes them among cities and unincorporated areas (see Additional Resources). Each jurisdiction must then adopt a Housing Element in its General Plan to meet these targets.

Previously, housing targets were weighted toward North County due to greater land availability. However, the current cycle shifts the focus to the South Coast, where housing needs are most acute. The South Coast now bears approximately 60% of the County's total RHNA allocation of 24,856 units, The allocation of units for the South Coast is shown in Table 1. Accordingly, the Jury has focused its attention on the South Coast.

Table 1: Current Santa Barbara County RHNA Allocation

South Coast Jurisdiction	RHNA Allocation	Allocation by Income Level			
		Very Low	Low	Moderate	Above Moderate
Carpinteria	901	286	132	135	348
Santa Barbara	8,001	2,147	1,381	1,441	3,032
Goleta	1,837	682	324	370	461
Unincorporated	4,142	809	957	1,051	1,325

[1] Buffy Wicks, "California Legislature Releases Sweeping Bill Package to Fast Track Housing Production," press release, March 27, 2025. https://a14.asmdc.org/press-releases/20250327-california-legislature-releases-sweeping-bill-package-fast-track-housing

Historically, Santa Barbara County has failed to meet its RHNA targets in terms of actual construction, largely due to overly optimistic planning and local resistance to housing development.

In the current RHNA cycle (2023–2031), the State has imposed significantly higher housing targets and enacted stricter laws with real penalties for missing deadlines for Housing Element adoption. This includes stronger enforcement tools, such as AB 1893 (2024) (Builder's Remedy, see Glossary), for jurisdictions that missed their Housing Element deadlines.

Progress to Date by Local Jurisdiction for the South Coast Housing Element

All the jurisdictions on the South Coast missed the initial deadlines for obtaining State approvals for their completed Housing Element plans but were spurred into action when developers threatened to invoke Builder's Remedy exemptions on pending or proposed projects. As of March 2025, all Housing Elements in the County have been approved by the State and have been incorporated into each jurisdiction's respective General Plan. These are readily available on the County and city websites (see Additional Resources).

All jurisdictions on the South Coast have prudently identified additional sites to exceed the RHNA requirements by 10 to 15 percent to avoid falling short should any sites become unavailable for development by 2031. The County and cities are only required to identify suitable sites and are not directly responsible for actually building housing. They are, however, required to make it as easy as possible for developers to be able to build housing in the various categories needed. As detailed in the documents listed in the Additional Resources section of this report, each Housing Element includes a variation of the following key goals, each of which is expanded into specific implementation plans and programs:

- Process improvements
- Changes to existing design standards
- Relaxation of existing regulations
- Funding
- Fee structures
- Public and private development partnerships

METHODOLOGY

The Jury reviewed documents and conducted interviews to investigate the reasons behind the housing shortage on the South Coast. The Jury focused on affordable housing because the availability of market rate housing does not present a significant problem. Data on affordable housing was analyzed based on the RHNA definitions. The Jury's methods of investigation included:

- Interviews with city (Santa Barbara, Goleta, and Carpinteria) and County staff and housing providers
- Interviews with Santa Barbara County Association of Governments (SBCAG) staff
- Attendance at County Board of Supervisors meetings and city council meetings
- Review of California housing laws
- Review and analysis of the County's and South Coast cities' General Plans and Housing Elements for the 2023-31 cycle
- Review of the County's and South Coast cities' ordinances and resolutions related to affordable housing
- Review and analysis of affordable housing agreements between developers and the County
- Examination of building permit applications, approved projects under development, news media coverage, and public hearings

DISCUSSION

The Jury reviewed the Housing Elements of the County and cities on the South Coast and found there is a critical need for housing for people who cannot afford market-rate housing. Therefore, the Jury decided to focus on the obstacles to affordable housing development and potential solutions.

Housing Developments in Progress

Several housing projects with 100 percent affordable units have been launched by non-profit organizations, such as People's Self-Help Housing, and public agencies, such as HASB and the Housing Authority of Santa Barbara County (HASBARCO). Some projects have been completed (e.g., a 60-unit project in Goleta), others are under construction, and many are still in the planning phase. Some private developments incorporate inclusionary housing requirements where a proportion of units must be affordable, although terms vary and are often negotiated between developers and local governments. Accessory Dwelling Units (ADUs) and Junior ADUs (JADUs) are also being built under streamlined state laws, such as ministerial approvals using objective design standards (see Glossary), although only about 65 percent are expected to qualify as affordable.

For example, in the City of Santa Barbara over a thousand ADUs have either been completed or are under development. Local employers such as Yardi Systems, Inc., the Rosewood Miramar Hotel, the Santa Barbara Cemetery Association, Cottage Health, and others have also begun sponsoring affordable housing projects for their employees.

In addition, the County, cities, and public agencies have identified and started to develop housing projects on land that they do not anticipate using. Some examples include:

- The City of Santa Barbara is working with HASB to develop workforce housing on a vacant lot and has designated the current site of the Santa Barbara Police Department for future housing
- The Santa Barbara Unified School District has leased two parcels of land to HASBARCO to build affordable housing
- The Santa Barbara Metropolitan Transit District (MTD) has reached an agreement with a private developer to build transit-oriented, multi-family rental housing, which will include 15% affordable units, on MTD's vacant property

While the County and some of the municipalities have included a few parcels of publicly owned land in the Housing Element, there is more land owned by them and other public agencies that could be identified and repurposed for affordable and workforce housing. Utilizing these publicly owned lands would help to foster public-private partnerships since the cost of land will become less of an obstacle to building affordable and workforce housing.

Obstacles to Development

South Coast residents have historically supported land use policies that preserved neighborhood character, which has unintentionally contributed to severe housing shortages. Costly development fees, community opposition, labor costs, land acquisition costs, and prolonged development entitlement processes (see Glossary) further stall progress. Though some employers and school districts are leveraging their land for housing, such efforts are infrequent.

1. Funding Limitations

Affordable housing depends on a complex mix of federal, state, and private funds. Each of these funding sources has its own criteria and timelines. The availability of federal and state funding for affordable housing construction is predicated on meeting strict eligibility requirements and tight timing windows. The complexity of this process requires successful participants in these programs to have experienced and dedicated staff or consultants to navigate the process. The State of California produces a Notice of Funding Availability (NOFA) calendar[2] to assist those who want to use grant or credit programs to build more affordable housing. The complexity of this chart reflects the complexity of this funding process.

Typically, these sources are oversubscribed and subject to unexpected rule changes. For example, current uncertainties about federal funding have caused the Housing Authority of the City of Santa Barbara to cease issuing the Section 8 vouchers. Developers often factor the availability of these vouchers into decisions about whether to include affordable units.

Even though some cities have implemented creative financing mechanisms and public-private partnerships, these efforts have not kept pace with the rising need for affordable housing.

[2] See the HCD's website for the latest NOFA calendar: https://www.hcd.ca.gov/grants-and-funding/nofa-calendar

The County of Santa Barbara and the City of Santa Barbara have both established housing trust funds certified as Community Development Financial Institutions (CDFI, see Glossary). These funds are intended to supplement the development of affordable housing projects. The County has deposited fees collected from developers into their fund. In addition to depositing developer fees, the City of Santa Barbara has also transferred some resources into their fund from their contingency reserves.

On June 10, 2025, the City of Santa Barbara budgeted $3.5 million to be added to their housing trust fund to fund affordable housing over the next two years; the Jury applauds this action, but believes that much more needs to be done given the pent-up demand for affordable housing in the City. Recent experience has shown that one unit of affordable housing may cost as much as one million dollars to build in the City of Santa Barbara.

Both the City of Santa Barbara and the County need to access other sources to increase the impact of these funds. For example, the County of Ventura actively promotes its housing trust fund and advertises for contributions from the philanthropic community.

Neither the City of Goleta nor the City of Carpinteria have established CDFI-certified housing trust funds to date.

2. Regulatory and Legal Complexity

Streamlined approval processes are now in place for affordable housing and ADUs, but many projects still face delays due to overlapping agency jurisdictions (e.g., Coastal Commission), siloed city and county permitting and approval processes, appeals, lawsuits, and neighborhood objections. These barriers disproportionately affect affordable housing projects, which are unable to absorb high carrying costs during such delays.

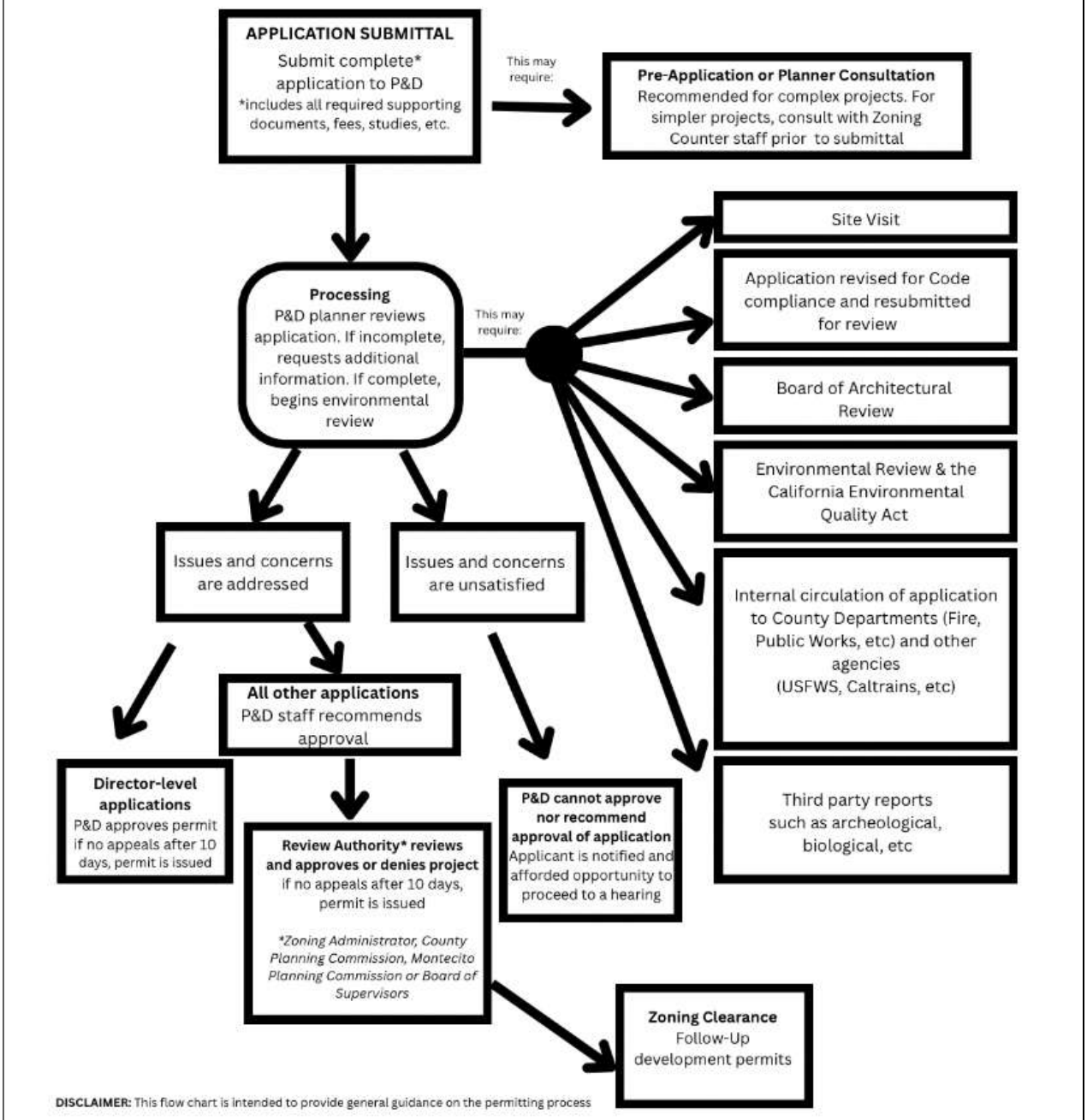
Within this system, there is no single individual tasked with assisting developers of affordable housing to navigate this complex process and to deal with multiple regulatory agencies. Figure 1 (below) illustrates the planning permit process in Santa Barbara County.

3. Development Costs

Government fees, prevailing wage requirements, interest on loans, and prices of land and material all drive up costs for affordable housing. Any uncertainty in the development process, such as appeals, litigation, and unexpected delays in approvals, can add to project costs.

Deed restrictions and rent caps required by inclusionary housing mandates often discourage developers from proceeding with below market rate housing projects.

Figure 1



Source: County of Santa Barbara Planning and Development Department

Strategic Solutions

The current housing crisis has created a flurry of activity at the state and local levels. Every day, new measures are taken: bills are proposed in the legislature; ordinances are drafted at the local levels; and solutions are proposed in the media. The Jury recognizes all these efforts and hopes that some of the solutions will be realized.

All of the governments in the South Coast are working diligently on these problems, and the Jury applauds their efforts. However, to make significant numbers of housing units available, the region must adopt a more unified, forward-thinking approach. All aspects of the development process, from application to completion of construction and occupancy, must work seamlessly together and all the involved agencies must collaborate to help the developer navigate the steps involved in an expeditious manner. The County and municipalities on the South Coast could consider taking measures such as those listed below:

A. Modernize Local Ordinances

- Update zoning, design standards, and utility requirements for density and affordability
- Ensure alignment with state mandates to avoid development delays and legal vulnerability

B. Streamline Approval Processes

- Shift to parallel permitting processes across jurisdictions
- Increase use of ministerial approvals for qualifying projects
- Establish a mechanism for parallel processing across jurisdictions, both municipal and separate agencies, from whom developers must obtain approvals
- Specify guidelines that will allow developers to qualify for exemptions from some requirements of the review process if project criteria are met up front
- Provide navigation assistance to allow developers to move expeditiously through the approvals required from various agencies

C. Expand and Stabilize Funding

- Develop and promote housing trust funds to leverage the benefits of Community Development Financial Institutions and philanthropic partnerships
- Reinvest market-rate development fees into affordable housing

D. Utilize Public and Surplus Land

- Inventory land owned by cities, school districts, and special districts and repurpose any that is surplus to their operational requirements
- Prioritize high-opportunity areas near jobs and transit

E. Community Engagement and Public Outreach

- Continue community forums used during the Housing Element update
- Publicly track and share development milestones
- Promote understanding of housing's role in community resilience

CONCLUSION

The affordable housing crisis on the South Coast remains a complex and urgent challenge, shaped by high land costs, state and local regulatory hurdles, and limited financial resources. The development process is often slow and fragmented, and affordable housing projects face competition for limited funding.

Although the jurisdictions on the South Coast will meet the RHNA goals that require identification of suitable building sites, it is unlikely that the target of increasing the inventory of affordable and moderate-income housing on the South Coast will be realized by 2031.

Ultimately, providing needed housing on the Santa Barbara South Coast will require sustained collaboration among local governments, developers, community stakeholders, and the broader public to build a more inclusive, affordable, and resilient housing landscape.

FINDINGS AND RECOMMENDATIONS

Finding 1: Santa Barbara County and the cities of Santa Barbara, Goleta, and Carpinteria own land that is surplus to their operational requirements, some of which could be used for affordable housing.

Recommendation 1a: The Grand Jury recommends that the Santa Barbara County Board of Supervisors and City Councils of Santa Barbara, Goleta, and Carpinteria identify publicly owned properties within their jurisdiction that could be utilized for affordable housing.

Recommendation 1b: The Grand Jury recommends that the Santa Barbara County Board of Supervisors and City Councils of Santa Barbara, Goleta, and Carpinteria invite public and private developers to work with them to build affordable housing on the publicly owned land identified as available.

Finding 2: The process for issuance of a permit for affordable housing development projects in the County and the cities of Santa Barbara, Goleta and Carpinteria is costly, time consuming, and complicated.

Recommendation 2a: The Grand Jury recommends that the Santa Barbara County Board of Supervisors and City Councils of Santa Barbara, Goleta, and Carpinteria each create a position to be staffed by a qualified person who can coordinate and facilitate the application and approval processes for affordable housing projects, with the authority to bring together all interested parties to arrive at an expeditious resolution of any issue.

Recommendation 2b: The Grand Jury recommends that the Santa Barbara County Board of Supervisors and City Councils of Santa Barbara, Goleta, and Carpinteria review their processes for development approvals to prioritize affordable housing projects.

Recommendation 2c: The Grand Jury recommends that the Santa Barbara County Board of Supervisors and City Councils of Santa Barbara, Goleta, and Carpinteria apply the ministerial approval process to all development projects comprising seventy five percent or more of low-income housing.

Recommendation 2d: The Grand Jury recommends that the Santa Barbara County Board of Supervisors and City Councils of Santa Barbara, Goleta, and Carpinteria conduct a review of all development and impact fees and find ways to waive, reduce or amortize fees for affordable housing projects.

Finding 3: There are insufficient funds available to develop needed affordable housing.

Recommendation 3a: The Grand Jury recommends that the City Councils of Goleta and Carpinteria establish dedicated housing trust funds, certified as Community Development Financial Institutions, to facilitate the building of affordable housing.

Recommendation 3b: The Grand Jury recommends that the Santa Barbara County Board of Supervisors increase funding to the Housing Trust Fund of Santa Barbara County to facilitate the building of affordable housing.

Recommendation 3c: The Grand Jury recommends that the Santa Barbara City Council further increase funding to the City of Santa Barbara Local Housing Trust Fund to facilitate the building of affordable housing.

Recommendation 3d: The Grand Jury recommends that the Santa Barbara County Board of Supervisors and the City Councils of Santa Barbara, Goleta and Carpinteria promote contributions to their housing trust funds by other non-governmental organizations, the philanthropic community, and the public.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors – 90 Days

Findings 1, 2, 3
Recommendations 1a, 1b, 2a, 2b, 2c, 2d, 3b, 3d

City of Santa Barbara – 90 Days

Findings 1, 2, 3
Recommendations 1a, 1b, 2a, 2b, 2c, 2d, 3c, 3d

City of Goleta – 90 Days

Findings 1, 2, 3
Recommendations 1a, 1b, 2a, 2b, 2c, 2d, 3a, 3d

City of Carpinteria – 90 Days

Findings 1, 2, 3
Recommendations 1a, 1b, 2a, 2b, 2c, 2d, 3a, 3d

GLOSSARY

AB (Assembly Bill): A bill introduced in the California State Assembly (e.g., AB 1893).

ADU (Accessory Dwelling Unit): A secondary housing unit on a property, such as a converted garage or standalone structure.

Affordable Housing: Affordable housing refers to housing that is priced on the basis of ability to pay and not on the market rate of a housing unit. If the total housing expense of a family remains at or below 30% of their gross household income, then the housing unit is considered affordable.

Area Median Income (AMI): The income value at which an equal number of families earn more, and an equal number of families earn less. The AMI value is derived from census data and is determined annually by the US Department of Housing and Urban Development (HUD) and is specific to an area. Thus, the AMI on the South Coast of Santa Barbara varies for each city and for the unincorporated of the County and is defined in their respective Housing Elements.

Builder's Remedy: A legal provision in California that allows developers to bypass local zoning restrictions when cities or counties fail to comply with the Housing Element Law. The Builder's Remedy can be invoked when a city or county fails to obtain state approval for its Housing Element by the State's deadline either because it has not been submitted in time or because the Housing Element proposals do not meet the State's requirements. Under such circumstances, developers can propose housing projects that do not conform to local zoning regulations if at least 20% of the units are designated as affordable housing, or 100% are moderate-income housing. The city or county cannot reject these projects based on some zoning or General Plan inconsistencies.

CDFI (Community Development Financial Institution): A non-profit financial institution that supports affordable housing and economic development. The federal CDFI Fund was created to help certified CDFIs generate economic growth and opportunity. It provides funding, resources, and technical assistance to help local financial institutions take a market-driven approach to support the economic needs of a community. By being a certified CDFI, a housing trust fund is eligible to receive funding and other assistance from the CDFI fund to build affordable housing.

Development Entitlement Process: The entitlement process is a critical phase in real estate development, involving the legal and regulatory approval required to proceed with a development project to ensure compliance with zoning laws, building codes, and other regulations. Steps in the entitlement process include zoning approval, land use permits, environmental impact assessments, site plan approval, public hearings, and permits. Such approvals are necessary to ensure legal compliance, to manage legal and environmental risks, to obtain community support, and to confirm project feasibility.

HASB (Housing Authority of the City of Santa Barbara): The agency responsible for managing affordable housing programs in the City of Santa Barbara.

HASBARCO (Housing Authority of Santa Barbara County): The public agency focused on affordable housing development and management in Santa Barbara County, excluding the City of Santa Barbara.

HCD (California Department of Housing and Community Development): The agency tasked with developing housing policy and administering funding and development programs in the State of California.

Housing Element: The component within local government's General Plans that meets the state requirement that all cities and counties in California adequately plan to meet the housing needs of everyone in their communities at all income levels.

HUD (U.S. Department of Housing and Urban Development): The federal agency responsible for housing policy and programs.

Inclusionary Housing: To be considered inclusionary, a housing development is required to have a certain percentage of affordable housing units (typically five to 20 percent) to be included when market-rate housing is being built.

JADU (Junior Accessory Dwelling Unit): A smaller unit within the primary home, usually repurposed from existing space.

Ministerial Approval: Ministerial approval is a faster and less complex approval process compared to discretionary review, which involves public hearings and more subjective judgment.

NIMBY (Not in My Backyard): A term describing opposition to development projects, especially housing.

Notice of Funding Availability (NOFA): A NOFA or Notice of Funding Opportunity (NOFO) is a document that announces a funding opportunity for grants. NOFAs can be used to announce funding opportunities for various housing-related programs, such as HUD's housing counseling programs, Community Development Financial Institution programs (CDFI), and programs for rural housing.

Objective design standards: Projects seeking ministerial approval must demonstrate compliance with clear, objective standards and regulations, often outlined in zoning ordinances or specific codes.

RHNA (Regional Housing Needs Allocation): A state-mandated process that assigns housing development targets to cities and counties based on projected needs.

SBCAG (Santa Barbara County Association of Governments): A regional, independent public agency that coordinates transportation and housing planning among Santa Barbara County and all eight incorporated cities in the County.

SB (Senate Bill): A bill introduced in the California State Senate (e.g., SB 35).

Section 8 – now called Housing Choice Program: This is the federal government's largest program for assisting low-income families, the elderly, and the disabled in being able to afford decent, safe, and sanitary housing in the private market. A housing subsidy is paid by an authorized housing authority to the landlord on behalf of a participating family. The family pays rent based on their income, and the housing authority pays the difference between that amount and the market rent.

South Coast: The South Coast of Santa Barbara County is defined by SBCAG in their Regional Housing Needs Allocation Plan, July 15th, 2021, as follows: "For purposes of the RHNA methodology, the County is divided into two subregions, referred to as the South Coast and North County Housing Market Areas, and further divided into the incorporated cities and unincorporated areas contained within these two subregions." See Figure 2.

Figure 2



Source: County of Santa Barbara Planning and Development Department

The South Coast Housing Market Area includes the cities of Carpinteria, Santa Barbara, and Goleta, as well as unincorporated Montecito, Summerland, Toro Canyon, Mission Canyon, Eastern Goleta Valley, Isla Vista, Hope Ranch, UCSB, and Gaviota.

Workforce Housing: For purposes of this report, workforce housing refers to housing that is needed for households who do not qualify for affordable housing because their income exceeds the AMI for moderate income in any city or County area on the South Coast, but cannot afford market rates for housing for rent or sale. A large number of the workers employed by public and private employers fall within this category.

ADDITIONAL RESOURCES

Housing Elements for the 2023-2031 Cycle:

1. City of Santa Barbara:
   https://santabarbaraca.gov/HousingElement
2. City of Goleta:
   cityofgoleta.org/home/showpublisheddocument/29869/638375666841470000
3. City of Carpinteria:
   https://carpinteriaca.gov/city-hall/community-development/planning/housing-element-update/
4. County of Santa Barbara:
   https://www.countyofsb.org/3177/Housing-Element-Update

Housing Element Annual Progress Reports for 2024:

1. City of Santa Barbara Housing Element Annual Progress Report, 2024:
   https://santabarbaraca.gov/sites/default/files/2025-03/HE%20APR%20SantaBarbara2024.pdf
2. City of Goleta Housing Element Annual Progress Report, 2024:
   https://www.cityofgoleta.org/home/showpublisheddocument/31599/638785768381830000
3. City of Carpinteria Housing Element Annual Progress Report, 2024:
   https://carpinteriaca.gov/wp-content/uploads/2025/05/2024-HE-APR-Staff-Report-with-Attachments-3-10-2025.pdf
4. County of Santa Barbara Housing Element Annual Progress Report, 2024:
   https://content.civicplus.com/api/assets/1aa7eb3e-858e-450a-82fb-549760e6fee8

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FATAL HEAD INJURY AT THE NORTHERN BRANCH JAIL



FILED JUNE 24, 2025

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FATAL HEAD INJURY AT THE NORTHERN BRANCH JAIL
A Custody-Related Death Investigation

SUMMARY

Approximately seven hours after his initial booking at the Santa Barbara County Northern Branch Jail on August 29, 2024, an inmate (AAO) suffered a traumatic head injury when he fell from standing height onto the linoleum floor of his housing unit due to an apparent seizure. After spending 19 days in the hospital and undergoing significant medical intervention, AAO was pronounced dead on September 17, 2024.

The 2024-2025 Santa Barbara County Grand Jury (Jury) investigated the facts and circumstances surrounding AAO's arrest and subsequent booking, intake health screening, incarceration, and injury at the Northern Branch Jail. In this case, the Jury found deficiencies and limitations relating to the intake screening process and the electronic health record, which ultimately meant that medical staff could not and did not make fully informed decisions regarding AAO's health needs and risks when he arrived at jail. The Jury further identified a lack of communication regarding inmate health risks an area of concern. The Jury offers its findings and recommendations with the intention of improving system-wide operations at our local jails.

BACKGROUND

The Grand Jury's Purpose in Death-in-Custody Investigations

Pursuant to its duties outlined in California Penal Code §919(b), the Santa Barbara County Grand Jury investigates the deaths of inmates that occur within Santa Barbara County's jails, including the deaths of those who were hospitalized following an in-custody incident or injury. The Jury's death-in-custody investigations are conducted with the primary aim of improving the conditions of and the care provided to inmates within Santa Barbara County's correctional system.

Narrative and Timeline of the Present Case

This Report details the case of inmate AAO—a Spanish-speaking man who was 40 years old at the time of his death. AAO suffered from homelessness, struggled with alcohol use, and had been incarcerated in the County's jails on multiple occasions in, but not limited to, the years 2022, 2023, and 2024.

On August 29, 2024, at approximately 11:30 a.m., AAO was arrested by officers of the Santa Maria Police Department on a felony no-bail warrant for a violation of probation. At the time, AAO was calm, cooperative, and seemingly sober. He was taken into police custody without any

use of force. Of note, AAO was asked in Spanish by arresting officers if he needed or wanted medical attention and answered that he did not have any issues requiring attention. AAO was transported directly to the Northern Branch Jail (NBJ) and arrived at approximately 12:30 p.m.

Medical staff completed AAO's medical receiving screening within 40 minutes of his arrival at the NBJ. Medical staff briefly reviewed AAO's known medical history before joining him in an exam room, noting that AAO had a history of alcohol withdrawal as reported on the receiving screening form from his last incarceration and an alcohol withdrawal alert in his chart. AAO spent approximately seven minutes in the exam room and reportedly communicated with medical staff by means of an English-Spanish interpreter on a language line. During this health screening interview, which consists of over 70 questions that require verbal answers from the patient, AAO denied having any chronic or acute medical problems. While answering affirmatively that he is a user of alcohol, he denied having experienced withdrawal relating to his drinking. AAO's mood was notably anxious to medical staff during this intake.

Based on his answers and the RN's observations, AAO was medically cleared by approximately 1:10 p.m. for placement in a holding cell. The intake medical staff did not communicate any information regarding the patient's history of alcohol withdrawal, nor did she communicate her finding that the inmate was demonstrating notable signs of anxiety. At this time, deputies removed AAO's handcuffs, and following a quick pat-down search, he joined another inmate in a holding cell in the booking area. AAO's six-hour stay in this holding cell was punctuated by two short excursions: one at approximately 3:30 p.m. for a 10-minute classification interview with a custody deputy, and a second at approximately 4:20 p.m. for fingerprinting and a photograph. At around 4:55 p.m., a third inmate joined them in the holding cell. At 5:00 p.m., deputies delivered a packaged dinner to AAO in the holding cell, which he readily consumed. Overall, in the course of those six hours in the holding cell, AAO was anxious and frequently fidgeted with his hands, though he retained the ability to follow the instructions of custody deputies and communicate with others.

At approximately 7:20 p.m., AAO was taken from the holding cell and escorted to a dress-in room, where he took a shower and received jail clothing. Exiting the dress-in room at 7:45 p.m. in clean clothing, AAO was escorted by two movement deputies to the booking area to undergo a full-body x-ray scan. At this time, AAO's eyes appeared glassy and bloodshot. Once deputies had established that AAO was clean of any contraband, he joined another inmate for an escort to their assigned housing cells in B-Unit. At approximately 7:50 p.m., the two movement deputies handed off AAO and the other inmate through a sallyport (a controlled access point) to the custody deputy who was supervising B-Unit. During this initial period of over seven hours, there was no documentation of any handoff communication between staff regarding AAO's alcohol withdrawal alert or his anxiety, which was noted during the receiving screening.

Within a minute of walking into the housing unit, AAO became unresponsive while standing. Having noticed AAO's blank stare, bloodshot eyes, and dilated pupils, a deputy in B-Unit began waving his hands in front of AAO's face in an attempt to get his attention. Within seconds, AAO jolted his right arm upward, became rigid, and fell, striking the left side of his head on the linoleum floor without any attempt to break or cushion his fall. AAO continued to seize on the floor as blood flowed from his head.

After a man-down radio call, other custody staff and medical staff arrived within two minutes. During this time, AAO was conscious but disoriented and at times combative towards those providing emergency care. Following the application of a cervical collar at 7:55 p.m., a group of custody staff and medical staff remained with AAO until he was loaded on a gurney by paramedics, removed from the NBJ, and taken to the local hospital at approximately 8:20 p.m.

Emergency surgery after his arrival at the hospital revealed severe brain damage from bleeding due to recent head trauma. AAO spent the last 19 days of his life at Marian Regional Medical Center in Santa Maria, succumbing to the complications of his head injury on September 17, 2024. Both the Coroner's report and treating physicians concluded that AAO's death could only have been caused by brain injury from his fall in the jail. The Coroner's report and autopsy report revealed that AAO fell because of a seizure, though the cause of his seizure remains unknown.

METHODOLOGY

The Jury obtained the information contained in this Report from a number of sources:

- The Jury reviewed the documentation provided by the Santa Barbara County Sheriff's Office (SBSO) of AAO's stay at the NBJ. This documentation included booking and classification documents, internal emails, audio recordings of interviews, security camera recordings of AAO's movements inside the NBJ, and, soon after, AAO's autopsy report.
- The Jury surveyed AAO's health records—both those maintained by California Forensic Medical Group, Inc. (Wellpath) as well as those generated by AAO's stay at Marian Regional Medical Center after his injury
- The Jury considered the County's previous and current contracts with Wellpath, the *Murray* Remedial Plan, reports on the County's progress in implementing the *Murray* Remedial Plan, several policy manuals, and previous Grand Jury reports
- The Jury consulted several published guidelines, including the National Commission on Correctional Health Care's (NCCHC) *Standards for Health Services in Jails* (2018), the American Society of Addiction Medicine's (ASAM) *Clinical Practice Guideline on Alcohol Withdrawal Management* (2020), and the U.S. Department of Justice's (DOJ) *Guidelines for Managing Substance Withdrawal in Jails* (2023)

- The Jury inspected the Northern Branch Jail and followed the path taken by AAO through the facility
- The Jury received a demonstration from medical staff on the electronic health record (EHR) software employed by Wellpath
- The Jury examined the bodycam and dashcam footage of AAO's arrest
- Finally, the Jury conducted over 20 interviews with individuals knowledgeable of the events and matters at issue in this Report, including custody staff and Wellpath medical staff who interacted with AAO on the day of his injury. Other individuals questioned include medical staff who provided emergency care to AAO at the hospital and Coroner's Bureau staff who worked on AAO's case after his death.

DISCUSSION

The following sections of this Report detail the Jury's observations about the intake health screening process at the jails, the organization and display of important health history in the EHR maintained by Wellpath, the process for initiating withdrawal monitoring for at-risk inmates, the health-related training required for custody staff, and the sharing of patient medical information between medical staff and custody staff. These observations are joined by the Jury's analysis of how the facts of AAO's case indicate deficiencies and limitations in some of these areas.

Overview of the Receiving Screening Process

Since 2017, Santa Barbara County has contracted with Wellpath to provide medical and mental healthcare to those incarcerated in Santa Barbara County's jails. As a part of its contractual obligations, Wellpath staffs the jails with Registered Nurses (RNs), who are responsible for completing initial health screenings of arrestees when they arrive at jail. RNs are instructed to complete these health screenings as soon as possible, and at a minimum, within two hours of an arrestee's arrival barring exigent circumstances. The RN completes a receiving screening form during this intake, which takes account of—but is not limited to—the arrestee's vital signs, current medications, mental status, chronic health conditions, and acute problems such as physical trauma or substance withdrawal. Apart from the taking of an arrestee's vital signs, a supplemental COVID test, and the listing of an arrestee's allergies and medications, the receiving screening consists of approximately 13 pages of binary (yes-or-no) and multiple-choice questions. While most questions require the arrestee to respond verbally, a series of observational questions require the RN to input answers directly. If the RN determines that the arrestee does not need immediate medical evaluation or care at a hospital, the arrestee will be cleared to enter custody in the jail.

The receiving screening form, once completed, becomes part of the health record that Wellpath maintains for each patient. If an arrestee has previous health records on file from prior

incarcerations, the RN is additionally required to review this history in the EHR during the intake screening process.

This immediate health screening serves a critical purpose: it is designed to enable jail staff to quickly obtain information on an arrestee's physical and mental health status before the arrestee is housed as an inmate, providing a means by which a new arrival's health needs can be addressed quickly and accommodated appropriately. In many instances, those who are cleared for housing at the jail still require monitoring, treatment, or accommodations for their conditions. Examples include inmates' needs for mobility devices, medications, and monitoring and treatment for potential intoxication and substance withdrawal symptoms.

Patient Medical History in the Electronic Health Record

One of the challenges inherent to the receiving screening process is its inevitable reliance on the self-reporting of health information. Simply put, arrestees are not always willing to disclose or able to recall all of the health information asked of them during the screening interview. While information from arresting officers and the RN's clinical observations and judgment are important supplements to any self-reported information, medical intake staff could also consult prior health records if an arrestee has been incarcerated in one of Santa Barbara County's jails within the past seven years. In AAO's case, his prior health records at the jail contained information that was crucial for evaluating his health risks and needs when he was brought to the NBJ on August 29, 2024.

AAO consistently indicated to jail medical staff over the course of many incarcerations that he was a long-time user of alcohol who still actively drank, and this was reflected on forms in the EHR. Additionally, the Jury found that AAO had suffered from delirium tremens as a result of alcohol withdrawal within the past year, and that such information could also be found in prior receiving screening forms in the EHR. These answers automatically generated a permanent alert in AAO's chart for alcohol withdrawal. AAO had also undergone alcohol withdrawal monitoring in the jail as recently as 2023 following an arrest for public intoxication. During that period of recognized withdrawal risk in 2023, AAO was prescribed a benzodiazepine to be taken every eight hours, evaluated every eight hours with a symptom severity scoresheet, given vitamins and minerals every 24 hours, and assigned to a bottom bunk for five days.

An additional risk factor that could have been recognized during intake involved the fact that AAO had suffered a head injury as a result of an altercation during a previous incarceration at the NBJ in March 2024. With a large bump on his left temple resulting in a moderate degree of discomfort, AAO was taken to an emergency room via ambulance. The Jury's investigation revealed that AAO had a history of brain injury dating back to at least 2021, though all such developments prior to the incident in March 2024 would have occurred outside of the jail and therefore would not have been noted in the EHR at the jail. This history was verified by evidence of old hemorrhage from

prior brain trauma noted during AAO's initial emergency brain operation at Marian Regional Medical Center following his seizure and fall at the NBJ. The March 2024 head injury was noted in the EHR, but only in a sick call note. In any case, the note recounting AAO's head injury from March would have been sufficient in itself to establish a history of head injury and possible traumatic brain injury when his medical records were reviewed upon intake on August 29, 2024.

While alcohol withdrawal typically begins with milder symptoms such as tremors, anxiety, nausea, and sweating in the six to 12 hours after cessation or a significant reduction in alcohol intake, in some individuals—especially those with a history of withdrawal seizures, underlying seizure disorders, or brain injury—an alcohol withdrawal seizure might occur without any preceding signs or symptoms. While AAO was not placed on withdrawal monitoring following his intake screening despite his history and risk, the Jury discovered that medical staff did not notice all of this history while reviewing his chart at intake due to its organization.

There is no internal policy that governs how an RN is supposed to review a returning patient's medical and mental health history in the EHR during intake. However, the Jury learned that RNs, as a standard practice, are expected to review patient alerts, summary sheets, and previous intake forms prior to conducting the receiving screening interview. In AAO's case, a review of his medical history consistent with this typical practice was completed. However, the note describing AAO's head injury from March 2024 could not have been readily noticed during intake because the injury was not included in his master problem list, in a separate list of alerts, or in any previous receiving screening forms. In fact, AAO's master problem list in the EHR was completely blank despite his prior head injury at the NBJ and his known alcohol use and withdrawal history.

The County's previous and current contracts with Wellpath state in section 10.4 (under Exhibit A, Statement of Work) that the contractor "shall maintain a comprehensive and accurate Problem List in each medical record." The importance of that provision is obvious. Incomplete problem lists can compromise quality of care and put patients at risk. And while AAO's medical record as a whole contained a great deal of information regarding the general state of his health and health risks, an informed decision about AAO's risk-based need for alcohol withdrawal monitoring should not have required an RN at intake to read every note, form, and flowsheet in his extensive medical record. Accurate and comprehensive problem lists, alerts, and other summary sheets should allow RNs conducting intakes to better review, identify, and address the specific needs of returning patients without the need to search the entire medical record for possible health issues and other concerns.

Per a Service Level Agreement (SLA) outlined in Exhibit H of the County's new contract with Wellpath, approved by the Board of Supervisors on April 1, 2025, the County has identified incomplete master problem lists as an area of concern. If Wellpath does not achieve a 90 percent

compliance threshold in ensuring that inmates "have an accurate problem list in their medical records," the organization may face monetary penalties moving forward.

Initiation of Withdrawal Monitoring and Treatment

Previous Santa Barbara County Grand Jury reports have found that the first few days of an inmate's incarceration are the most critical, and the Jury finds that this case is no different. With the sudden need to adjust to a new lifestyle within the jail after an arrest, inmates' health—both physical and mental—might be put under a great deal of strain. Withdrawal from drugs or alcohol in new arrivals at the jail is a prime example of this.

The Jury collected data from the SBSO showing that of approximately 800 inmates at both of the County's jails on one day in March 2025, 175 were marked with an alert for drug withdrawal, and 68 had alerts for alcohol withdrawal. These numbers exclude an additional 48 alternative sentencing inmates, such as those on house arrest, who also have alerts for either drug or alcohol withdrawal. Per the NCCHC, intoxication resulting in subsequent withdrawal or related injury is one of the leading causes of death in jails. Such a common and potentially life-threatening condition requires clear, objective criteria for when an inmate should receive monitoring or treatment.

Current Wellpath policy states that the initiation of withdrawal monitoring or treatment is based on a patient's risk, history, and, ultimately, an order by a health care provider. An RN is required to evaluate a patient's risk and collect a history by asking a series of questions during the receiving screening. Specifically on alcohol use and withdrawal, the receiving screening asks the following questions:

- Do you use alcohol?
- Type?
- Amount?
- Date of last use?
- Frequency of use?
- Duration of use?
- Prior withdrawal (Tremors, Seizures, DTs)?
- Date of last withdrawal?
- Currently withdrawing?

AAO reported that he used alcohol during his two most recent intake screenings, one in May 2024 with the other being this most recent arrest in August 2024. In May 2024, AAO reported using alcohol one to five times per week, drinking three to four beers at a time. However, during his intake in August 2024, AAO reported only drinking one to three days per month, drinking one to two beers at a time. And while AAO reported having recently experienced delirium tremens during his May 2024 screening, he did not report any history of prior withdrawal episodes during his

August 2024 intake. Importantly, the date of AAO's last use of alcohol was left blank on his August 2024 receiving screening form; this omission left medical staff in the dark about a critical risk factor.

As the DOJ suggests in its specific guidance for management of withdrawal in jails, any new arrival who is symptomatic, reports regular heavy drinking, or "reports past-week alcohol use and a history of complicated alcohol withdrawal," such as a history of delirium tremens, should be referred for immediate clinical assessment. The DOJ guidelines also state that any new arrival who reports to be a risk for withdrawal or who "reports recent alcohol use below the threshold specified for immediate clinical assessment AND does not report a history of complicated alcohol withdrawal" should still be monitored for the emergence of withdrawal symptoms.

While AAO's self-reported alcohol use patterns would not meet the definition of "unhealthy alcohol use" under ASAM's withdrawal guidelines, which Wellpath staff are required to adhere to under section 1.2A of the County's contract with Wellpath, his anxiety and affirmative answer to alcohol use at intake combined with his withdrawal history documented in the EHR were important factors to consider regarding potential treatment or monitoring. As ASAM's guidelines indicate, "evaluating risk as opposed to current presentation is recommended" since "signs and symptoms can escalate quickly, and the trajectory of alcohol withdrawal can vary considerably among patients."

Monitoring would have been beneficial in this case in at least one important way: It would have led to closer and regular evaluation by medical staff of AAO with a symptom severity assessment scale.

While the Jury learned that identifying when an essentially asymptomatic patient needs withdrawal monitoring can feel like a gray area for some intake medical staff, the County has recently taken steps to address this as an area of general concern. An SLA outlined in Exhibit H of the County's new contract with Wellpath requires that Wellpath "maintain a written policy to provide adequate monitoring to patients experiencing drug and/or alcohol withdrawal consistent with" the DOJ's guidelines outlined above, explicitly including "an evidence-based screening" upon intake for withdrawal risk. Wellpath could face monetary penalties in the future if it fails to meet a compliance threshold of 100 percent.

Health-Related Training for Custody Staff

The Jury recognizes that the custody staff in our local jails have an important and stressful job with demanding responsibilities: They work closely with incarcerated individuals day in and day out to help ensure the functioning of a fair and humane criminal justice system in the County. With the responsibility of supervising incarcerated individuals, custody staff by their position are the most readily available to identify inmate problems in the facility and are the first to respond to

emergencies. In that line of thinking, as the NCCHC states in its standards, custody personnel have an important part to play "in the early detection of illness and injury."

Per NCCHC standards, biannual health-related training for correctional officers is considered essential and is required for NCCHC accreditation. Required topics of training include, but are not limited to, acute manifestations of certain chronic illnesses, adverse reactions to medications, and intoxication and withdrawal. Section 10.2 of the County's contract with Wellpath as well as internal Wellpath policy promulgate guidelines for biannual training of custody officers that include all of the areas required for NCCHC accreditation. At the County's jails, it is Wellpath's contractual obligation to provide such trainings in ways that foster interaction between medical staff and custody officers. Additionally, section 1.2C of the Wellpath contract, both previous and current, specifically requires annual training on withdrawal:

> The Contractor shall ensure that all health care and custody staff are trained in recognizing the signs and symptoms of withdrawal from drugs, alcohol, and other substances in the period following reception and assignment to housing. Training shall be conducted annually at a minimum and include withdrawal timelines, signs and symptoms to a variety of substances common and uncommon to the local population.

Section IX of the *Murray* Remedial Plan also stipulates that custody staff receive training on "general correctional health care issues, including… recognizing different types of medical and mental health conditions and appropriate responses." Per the Remedial Plan, custody staff shall receive at least eight hours of such training biannually, and the "County shall keep records documenting all such trainings and training participants."

AAO's case demonstrates why such training is essential: He spent the vast majority of his approximately seven pre-injury hours at the NBJ interacting solely with custody staff and other inmates. In such a scenario, it is custody staff who are best positioned to notice any acute health needs that may have been missed during the receiving screening or that emerge or increase in severity soon after intake. As the DOJ recommends in its withdrawal guidelines, "custody staff should be alert to emerging signs and symptoms of withdrawal in individuals who initially screen negative, particularly in the first 72 hours after intake" because new arrivals "may not be forthright about recent substance use or withdrawal risk."

The Jury learned that when AAO was interacting with custody staff, his eyes were noticeably altered—glassy, bloodshot, and dilated, by several descriptions—for at least five minutes before his fall. However, these symptoms were not reported to medical staff before his fall. These symptoms are consistent with alcohol withdrawal, but only one person could recall associating in the moment the observed symptoms with drug or alcohol use, mentioning intoxication specifically.

Consequently, the Jury inquired into the extent of the health-related training actually performed for the benefit of custody staff. After extensive investigative efforts, which included the questioning of multiple supervisors and employees at both the SBSO and Wellpath, the Jury has found reason to believe that the jails in the County are currently meeting NCCHC biannual health-related training requirements.

As the County continues to pursue NCCHC accreditation for the NBJ, the Jury emphasizes that the purpose of such training per the NCCHC is to ensure that custody staff "are trained to recognize the need to refer an inmate to a qualified health care professional." While AAO's eye-related symptoms were noticed by custody, no action was taken to alert medical staff of the observation.

Sharing of Inmate Health Information

A 2022-23 Santa Barbara County Grand Jury report titled "Death on Electronic Monitored Home Release" touched on the issue of a lack of information sharing between the County's healthcare contractor at the jails and the SBSO and Probation Department. All County parties agreed in the aftermath of that report's publication that important exemptions in federal law under HIPAA allow information sharing when it is necessary to protect the health and safety of the patient or others.

Currently, there are certain instances in which medical staff share a limited amount of patient health information with custody staff to ensure inmate and staff safety. One such example of this practice is the use of a medical treatment order (MTO) when such a form is generated by medical staff. For example, if medical staff determine during intake that an arrestee needs to undergo sobering or withdrawal treatment, they will generate an MTO and provide a copy to custody by email to ensure that custody staff are aware of the patient's needs. Another potential example of information sharing, the Jury learned, are some of the alerts that appear in an inmate's file in the Jail Management System (JMS), which is used and maintained by custody staff. For example, alerts such as "diabetes" will appear in the alerts section of the JMS for a diabetic inmate. Computers located throughout both jails give custody staff ready access to the JMS, even within housing units in many instances.

Given the principle that custody staff have an important role to play in the detection of illness and injury, and should receive training to that effect, any basic information that could increase custody's awareness of an inmate's known areas of risk could save lives. As the DOJ asserts in its guidelines on withdrawal, both "health care and custody staff should be alert to… the risk of withdrawal in all new arrivals," and should therefore foster "a sense of teamwork" with each other to facilitate "a unified response to substance withdrawal."

In AAO's case, custody staff as a whole were not made aware of his alcohol withdrawal risk by medical staff directly or by an alert in the JMS despite the existence of AAO's alcohol withdrawal alert in the EHR. As a matter of fact, there is no current process or requirement for handoff

communication between the intake nurse and custody staff following medical evaluation. And while custody's interactions with AAO during the hours-long booking and classification process presented an opportunity to watch for possible signs or symptoms of withdrawal as they emerged, custody staff had no awareness that AAO was at any greater risk than any other inmate.

The ability for custody to preliminarily identify at-risk inmates through information sharing with medical staff, as allowed by law, would be valuable in cases where withdrawal monitoring or treatment was missed or not initiated at intake, as in AAO's case. A system of shared alerts and requirements for handoff communication could allow custody staff to gain awareness of inmates' need-to-know health risks within hours of their arrival at jail. Without such awareness, custody staff's ability to supervise and care for inmates with health concerns is undoubtedly compromised.

CONCLUSION

The first 72 hours of an inmate's arrival at jail is a time of particular sensitivity, requiring careful attention from medical staff and custody staff. In the course of this custody-related death investigation, the Jury identified a number of areas relating to the screening and observation of new arrivals at the County's jails that require improvement.

An incomplete master problem list in the electronic health record, which meant that medical staff could not accurately assess whether AAO needed alcohol withdrawal monitoring or not, encompasses important areas where AAO's case demonstrates shortcomings in provided medical care at the County's jails. Two Service Level Agreements in the County's new contract with Wellpath demonstrate that the County is taking steps to correct these deficiencies. A lack of communication regarding withdrawal risk between medical staff and custody staff, or between their respective information systems, was also identified as an area of concern by the Jury.

With increased oversight by County agencies over Wellpath's operations at the County's jails following the signing of the new contract in April 2025, the Jury is increasingly hopeful that the concerns it raises in this Report will result in system-wide improvements at the jails.

COMMENDATION

The County has taken important steps to implement oversight mechanisms at the jails to improve Wellpath's compliance with the new contract and the jails' adherence to national care standards. The Jury commends the Santa Barbara County Board of Supervisors, the Sheriff's Office, the County of Santa Barbara Health Department, the Santa Barbara County Department of Behavioral Wellness, and their staff for their recent work in these pursuits.

FINDINGS AND RECOMMENDATIONS

Finding 1: Because of the lack of an accurate and comprehensive master problem list in AAO's electronic health record, Wellpath medical staff did not make fully informed decisions regarding AAO's health needs and risks when he came to the Northern Branch Jail on August 29, 2024.

Recommendation 1a: The Grand Jury recommends that the Board of Supervisors instruct the County of Santa Barbara Health Department to conduct systematic audits of inmates' charts in the electronic health record to determine the extent to which master problem lists maintained by Wellpath accurately and comprehensively reflect inmates' known health problems. To be completed by July 1, 2026.

Recommendation 1b: The Grand Jury recommends that if non-compliance is discovered in the form of incomplete or inaccurate master problem lists so as not to meet performance measures established by the Wellpath contract, the County exact monetary penalties pursuant to the Service Level Agreement (Area 5. Incarcerated Person Problem List) in the new contract.

Finding 2: AAO's known medical history at the jail provided clear indicators for serious alcohol withdrawal risk, but no such identification occurred.

Recommendation 2a: The Grand Jury recommends that the Board of Supervisors instruct the County of Santa Barbara Health Department to conduct audits to determine if Wellpath staff are appropriately identifying, monitoring, and treating at-risk inmates consistent with the U.S. Department of Justice's *Guidelines for Managing Substance Withdrawal in Jails*. To be completed by July 1, 2026.

Recommendation 2b: The Grand Jury recommends that if non-compliance is discovered in the form of missed cases of withdrawal monitoring or treatment, or performance of monitoring or treatment duties inconsistent with the U.S. Department of Justice guidelines so as not to meet performance measures established by the Wellpath contract, the County exact monetary penalties pursuant to the Service Level Agreement (Area 1. Withdrawal Management).

Finding 3: Custody staff were not aware that AAO had an alcohol withdrawal alert or history because it was not communicated to them by medical staff or by means of an alert in the Jail Management System, though such communication would have been valuable.

Recommendation 3a: The Grand Jury recommends that the Sheriff's Office require a standardized verbal communication process upon inmate handover from the registered nurse performing the health receiving screening to the relevant on-duty classification deputy, specifically

requiring the sharing of health-related findings or history insofar as necessary to provide for the health and safety of the inmate or others. To be implemented by January 1, 2026.

Recommendation 3b: The Grand Jury recommends that the Sheriff's Office develop a comprehensive and automatic system of shared health alerts between the healthcare contractor's electronic health record and the Jail Management System so that critical health-related alerts appear automatically in the Jail Management System. To be implemented by January 1, 2026.

This report was issued by the Grand Jury with the exception of a Grand Juror who wanted to avoid the perception of a conflict of interest. That Grand Juror was excluded from all parts of the investigation, including interviews, deliberations, and the writing and approval of this report.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors – 90 days

Findings 1, 2, 3
Recommendations 1a, 1b, 2a, 2b, 3b

Santa Barbara County Sheriff's Office – 60 days

Findings 1, 2, 3
Recommendations 3a, 3b

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ANOTHER SUICIDE IN THE SANTA BARBARA COUNTY JAIL



FILED JUNE 24, 2025

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ANOTHER SUICIDE IN SANTA BARBARA COUNTY JAIL
Inmate's Death Should Have Been Prevented

SUMMARY

The 2024-2025 Santa Barbara County Grand Jury (Jury) investigated the in-custody death of a female inmate (CC) at Santa Barbara County's Main Jail (Main Jail). On the afternoon of November 13, 2024, CC hung herself by the neck using a wall-mounted telephone cord in a mental health observation cell.

Penal Code §919(b) requires the Grand Jury to examine the operation of the jails within the County. Based upon its investigation of CC's death, the Jury finds that several systemic problems within the Main Jail limited the staff's ability to safeguard CC's well-being, including insufficient numbers of properly equipped mental health observation cells. These issues resulted in a series of breakdowns leading to CC's placement in an observation cell with a telephone cord, which ultimately resulted in her death. The Grand Jury finds that her suicide could and should have been prevented.

The Jury finds that the County's jails need additional funding to solve the many deficiencies that limit or obstruct the humane treatment of the many mentally ill inmates who occupy that space. The Jury is pleased to report that on April 1, 2025, the Santa Barbara County Board of Supervisors approved funding for construction of an additional 348 beds at the Northern Branch Jail, including more mental health beds, and an additional 20 custody deputies. When the construction is completed in 2029, inmates in the Main Jail will be transferred to the Northern Branch Jail, and most of the Main Jail will be closed. This will be a major step toward addressing the issues outlined in this Report. However, improvements must be made before 2029.

INTRODUCTION

Inmate suicides have been a recurring problem at local jails and state and federal prisons throughout the country, including Santa Barbara County. Nationwide, from 2001 to 2019, the number of suicides increased 85% in state prisons, 61% in federal prisons, and 13% in local jails.[1] Between 2010 and 2019, suffocation, including hanging and self-strangulation, accounted for nearly 90% of suicide deaths in local jails.

[1] Bureau of Justice Statistics, Suicide in Local Jails and State and Federal Prisons, 2000–2019 Statistical Tables. See https://bjs.ojp.gov/library/publications/suicide-local-jails-and-state-and-federal-prisons-2000-2019-statistical-tables

CC was a 41-year-old mother who resided with her family in Santa Ynez, California. She had a history of significant mental disorders and suicide attempts. On November 8, 2024, CC was pulled over by a Santa Barbara County Deputy Sheriff for driving in a reckless manner. After attempting to evade law enforcement and using her car as a weapon, she was arrested. She was first taken to Santa Ynez Cottage Hospital and was then transferred to Santa Barbara Cottage Hospital for a psychiatric evaluation. While there, she was booked *in absentia* for felony evading police officers, assault with a deadly weapon (automobile), and driving under the influence. On November 9, 2024, CC was moved to the Main Jail while awaiting arraignment.

In the days preceding CC's death on November 13, 2024, she made several suicidal statements to mental health providers, who then assigned her to a safety cell on suicide watch.[2] Five days into her incarceration, CC was moved to a holding cell where she committed suicide by hanging. The County Coroner's pathologist later performed an autopsy, finding that the cause of death was a suicide.

During her incarceration, the mental health staff at the Main Jail did not know that CC had previously been diagnosed and treated for severe mental illnesses, including bipolar disorder and psychoses. Nor did they attempt to obtain such history from any of CC's private doctors and hospitals. Thus, she was not offered a level of care commensurate with her mental health needs.

When an inmate is deemed suicidal by a mental health provider (MHP), there are several protective housing options available.[3] Safety cells are the highest level of protective custody and typically reserved for inmates at high risk of self-harm. The Main Jail has four safety cells. Once MHPs determine an inmate no longer requires a safety cell, the individual is relocated to a holding cell (known as a "step-down"), a lower level of protective custody. There are seven holding cells (H-1, H-2, H-5, H-6, H-7, H-8 and H-9) in the IRC. By practice, H-1, H-2, and H-9 were the holding cells that SBSO would prioritize using for mental health observation purposes before utilizing other holding or housing cells. Based on need and physical plant logistics, cells H-6 and H-7 were used regularly for observation purposes. Inmates in an observation cell must be monitored by custody deputies every 15 minutes.

Because some observation cells are on occasion used to hold newly arrived inmates who are legally entitled to make phone calls, three of these observation cells contained wall-mounted telephones with cords at the time of CC's death.

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[2] Pursuant to applicable policies at the County's jails, safety cells are to be used to temporarily house inmates who pose a threat to themselves or others. Inmates placed in safety cells are stripped of their clothing and given a paper smock which cannot be used as a ligature. The policy requires the on-duty Shift Commander or designee to approve safety cell assignments prior to placement. Jail protocols require custody deputies to conduct and document direct visual observations of safety cell inmates twice every 30 minutes.

[3] For purposes of this Report, the MHPs are master's level mental health counselors employed by Wellpath.

At the time of CC's suicide, MHPs generally knew that step-down patients had sometimes been placed in holding cells with telephone cords when the three cordless cells were unavailable. MHPs recognized the risk of placing a potentially suicidal inmate into a cell with a cord but were limited in recommending other options to the Deputies due to the limited number of observation cells.

METHODOLOGY

This Jury reviewed reports, documents, and other evidence gathered from:

- The Santa Barbara County Sheriff's Office and Coroner's Bureau
- California Forensic Medical Group, Inc. (Wellpath), the contract healthcare provider for the County's jails
- Santa Barbara County Department of Behavioral Wellness
- County of Santa Barbara Health Department
- Santa Barbara Cottage Hospital
- Santa Ynez Valley Cottage Hospital
- Published studies analyzing the nature and extent of inmate suicides

On the legal front, the Jury considered the outcome of federal class action litigation entitled *Murray v. Santa Barbara County* regarding substandard conditions at the Main Jail. The Jury further consulted federal and state laws regarding topics such as involuntary psychiatric holds and the confidentiality of inmate health information.

The Jury conducted numerous interviews with MHPs, custody personnel, nurses, and doctors who provided evidence related to CC's mental illness and death. The Jury consulted a psychiatrist as an independent expert witness. The Jury reviewed videos of CC taken in the two safety cells and the hallways outside the holding cells. The Jury also visited the Main Jail's safety and holding cells.

OBSERVATIONS

The following section provides a chronology of the events leading up to and following CC's death in the Main Jail.

Related Incident Two Weeks Prior to Death

On October 28, 2024, approximately two weeks prior to her suicide, CC was visited at her home by a deputy sheriff for a welfare check, and an ambulance was called given her level of agitation. She was taken to the emergency department at Santa Ynez Valley Cottage Hospital evidencing a panic attack, anxiety, and depression. CC was angry, agitated and delusional during the evaluation.

CC had a history of suicide attempts. She was diagnosed with psychosis, malingering, conversion, and depression with psychotic features.[4] During the examination, CC's alter ego "Patricia" was manifesting. Patricia was typically more agitated and ruder to people than she was.

The Mobile Crisis Team, a unit within Behavioral Wellness tasked with performing psychiatric hold evaluations within the County, was called and found that she did not meet the criteria necessary to issue a Welfare and Institutions Code section 5150 (5150) 72-hour involuntary hold because she did not express suicidal ideations.[5] She was discharged from the hospital the same day.

November 8, 2024

On November 8, 2024, CC's car was pulled over by a Santa Barbara County Deputy Sheriff for driving her vehicle in a reckless manner. Although she initially stopped when the deputy's overhead lights were illuminated, she suddenly drove off despite being ordered to stop. She nearly collided with parked vehicles, ran through stop signs, and sped through an elementary school parking lot towards a nearby park. A patrol car performed a "PIT" maneuver causing CC's car to stop. She then reversed and collided with her vehicle into an occupied patrol car, rendering her unconscious. Deputies suspected that CC was overdosing and administered Narcan.

Following her arrest, she was then transferred to Santa Ynez Valley Cottage Hospital for further evaluation. She told hospital staff that she may have been diagnosed with bipolar disorder.[6] During her brief stay in the Emergency Department, medical staff found her to be at a high risk of suicide. She believed she was the devil and must kill herself to save and protect her children.

November 9, 2024

Still under arrest but not yet cleared for transfer to the jail, CC was next transported to Santa Barbara Cottage Hospital on the morning of November 9, 2024, for further psychiatric assessment of her suicidal ideations. While there, she was booked *in absentia* for evading police officers, assault with a deadly weapon (her car), and driving under the influence of drugs. She reported to

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[4] Malingering is the intentional production or display of false or exaggerated symptoms for a specific benefit or reward. Conversion disorder is a mental health condition that causes real, physical symptoms that a person cannot control. Psychosis is a term for symptoms that happen when a person has trouble telling the difference between what is real and what is not.

[5] Pursuant to Section 5150, subdivision (a), "When a person, as a result of a mental health disorder, is a danger to others, or to themselves, or gravely disabled, a peace officer, professional person in charge of a facility designated by the county for evaluation and treatment, member of the attending staff, as defined by regulation, of a facility designated by the county for evaluation and treatment, designated members of a mobile crisis team, or professional person designated by the county may, upon probable cause, take, or cause to be taken, the person into custody for a period of up to 72 hours for assessment, evaluation, and crisis intervention …."

[6] Bipolar disorder, formerly called manic depression, is a mental health condition that causes extreme mood swings. These include emotional highs, also known as mania or hypomania, and lows, also known as depression. See https://www.mayoclinic.org/diseases-conditions/bipolar-disorder/symptoms-causes/syc-20355955

staff at the hospital that she tried to choke herself when visiting deceased relatives at a cemetery that day. She stated that she was taking Xanax but had stopped taking her other medications, including medications for bipolar disorder. CC told hospital staff she was suicidal. A member of the hospital's mental health staff documented that CC needed psychiatric hospitalization.

However, a few hours later, during her interview with a hospital psychiatrist, CC denied suicidal ideations and did not meet the criteria for a 5150 hold. CC was diagnosed with adjustment disorder with mixed disturbance of emotions and conduct and was discharged to the Sheriff's Office's (SBSO) custody.[7] Later the same day, she was moved to the Main Jail.

When entering the Main Jail's Inmate Reception Center (IRC), there were no prior Jail medical records available to medical staff because she had not been recently incarcerated in a jail in the County. CC indicated that she suffered from bipolar disorder and depression, and mental health staff was notified accordingly. However, bipolar disorder was never diagnosed nor treated by any Jail mental health staff. During the intake interview, CC stated that she had attempted to choke herself the previous day but was no longer experiencing suicidal thoughts. At that time, she was assigned to a cell in the general population unit known as West 6. A psychiatric consultation was not sought.

November 10, 2024

On the morning of November 10th, a deputy in West 6 asked a Jail MHP to assess CC because she was having problems with other inmates in her unit. More specifically, those female inmates confronted CC because she was hovering over them and violating their personal space. During the MHP's discussion with CC, she appeared to have difficulty keeping her eyes open and was breathing very deeply as though she was about to hyperventilate. She then collapsed to the ground. Medical staff was called to the scene and reported that she was awake, shaking, and speaking nonsensical sentences. She stated that she deserved to die and made other suicidal statements. The MHP then ordered her transferred to Safety Cell 3 (on suicide watch) by wheelchair because she could not walk. In the safety cell, she stated that she needed a pregnancy test and that she loved her babies. She then attempted to choke herself.[8]

The Jury learned that some MHPs would routinely call the Mobile Crisis Team to assess all inmates placed in safety cells.[9] If asked, the Mobile Crisis Team would usually come to the Main Jail within the hour. The Mobile Crisis Team would typically assess safety cell inmates during their routine

[7] "Adjustment disorder with mixed disturbance of emotions and conduct" is defined as an extreme reaction to a stressful incident that impacts mental equilibrium and causes negative changes in behavior. See https://www.hopkinsmedicine.org/health/conditions-and-diseases/adjustment-disorders

[8] Wellpath's on-call psychiatrist was not called on November 10th because she did not work on weekends (November 10th was a Sunday).

[9] The Mobile Crisis Team is called to assess inmates who need an assessment for an involuntary 72-hour hold. It is staffed by at least one Marriage and Family Treatment Counselor.

daily visits to the Main Jail. Here, however, the Mobile Crisis Team inexplicably did not evaluate CC until the evening of November 12th.

November 11, 2024

During a safety cell round by medical staff on November 11th at 2:03 a.m., CC was very anxious and was having difficulty sleeping. CC was observably distressed and crying at the time. CC expressed delusional thoughts claiming the devil would harm her children. CC did not make any threats to herself or others. An antihistamine was prescribed to treat these behaviors.

At 8:09 a.m. on November 11th, an MHP visited CC in Safety Cell 3. The MHP offered to speak confidentially with CC in a private room, which CC declined. Thus, the MHP briefly spoke with CC through the food slot in the cell door. CC stated that she was not suicidal and would not engage in a Collaborative Safety Plan (CSP).[10] She appeared anxious, angry, and hostile and again noted she was concerned about being pregnant. The MHP concluded that CC no longer needed a safety cell and advised the Deputies to move her to an observation cell. Custody deputies then placed her in Holding Cell H-6, which had a wall-mounted telephone and 12-inch cord.[11]

November 12, 2014

On November 12th, while housed in cell H-6, CC stated that she wanted to kill herself by hanging. At approximately 8:00 a.m., CC told the MHP that prior to her arrest she had been seeing a psychiatrist at a health clinic, where she was prescribed Hydroxyzine and Xanax.[12] The MHP did not document CC's prior history of bipolar disease, nor her history of stopping her previously prescribed anti-psychotic medication. The MHP told CC that the Mobile Crisis Unit would assess her that evening and that she would again be placed in a safety cell in the interim. The MHP noted that CC had not yet been diagnosed but offered a provisional diagnosis of major depressive disorder. CC was then moved to Safety Cell 4.

CC was evaluated by the Mobile Crisis Team at 10:30 p.m. on November 12th, which found that she did not qualify for a 5150 hold. The evaluator from the Mobile Crisis Team was not a licensed mental health worker. The Mobile Crisis Team did not document its denial of a 5150 hold in writing. CC was characterized as not volatile, and she denied any suicidal ideations during that encounter. However, the Mobile Crisis Team felt that CC exhibited bizarre behavior that necessitated further evaluation and treatment. Because there was no documentation of this

[10] A CSP includes a series of questions used to determine warning signs, coping skills and the patient's "reasons for living," for example the extent of supportive family and friends.

[11] According to SBSO policy, "the Classification Unit will assign appropriate housing with consideration to those inmates with physical and/or mental disabilities and/or special needs."

[12] Hydroxyzine is an antihistamine used to treat anxiety, tension, and allergic conditions. Xanax is used to help control anxiety and tension caused by nervous and emotional conditions.

assessment, the Jury cannot determine whether the Mobile Crisis Team knew of CC's bipolar disorder or recommended a treatment plan.

November 13, 2024 – Day of Suicide

On November 13th, at approximately 8:46 a.m., an MHP spoke with CC in Safety Cell 4 for about five minutes. At the time, CC was not in any acute mental distress and stated she did not want to kill herself. She mentioned that her children provided her with a reason for living. CC was scheduled to be seen by a Jail psychiatrist later that morning.

The MHP notified custody staff to step down CC from the safety cell to an observation cell. A custody deputy placed CC into cell H-6.[13] That cell contained a wall-mounted telephone with a 12-inch cord. All three of the cordless mental health observation cells were occupied when CC was stepped down from the safety cell on November 13th.

CC was never evaluated or diagnosed by a psychiatrist during her time in jail. For the first time, on November 13th at approximately 1:39 p.m., a Jail psychiatrist was scheduled to evaluate CC from a remote location via telehealth, but CC refused. She was never assessed by the psychiatrist. Instead, the psychiatrist merely prescribed Hydroxyzine and scheduled a follow up visit for a week later. The psychiatrist took no further actions to address CC's refusal of that evaluation, made no inquiries of Jail MHPs, did not review any of CC's prior mental history, did not know CC had been in safety cells for suicidal ideations twice in the previous three days, did not know she had been diagnosed with bipolar disorder, and did not prescribe antipsychotic medication.

Jail staff conducted safety checks of CC throughout the day, including at 4:04 p.m., 4:19 p.m., and 4:31 p.m., all of which demonstrated no unusual circumstances. However, while performing rounds at approximately 4:48 p.m., a custody deputy observed CC hanging from a 12-inch telephone cord wrapped around her neck. The deputy radioed a request for additional Deputies to respond to H-6 due to a hanging. The Shift Commander called for an ambulance. Deputies and Jail medical staff continued to administer medical aid until paramedics arrived at approximately 4:57 p.m.

At approximately 5:31 p.m., paramedics terminated resuscitation efforts, and CC was pronounced dead. An autopsy was later conducted by the Coroner's Bureau, which concluded that the cause of death was suicide by hanging.

After Death Events

As noted above, two holding cells that contained telephones with 12-inch cords were regularly used as observation cells when other options without telephones were not available. Several days after CC's death, Jail staff removed the telephone cords from cells H-6 and H-7. Since then, all

[13] The custody records contain conflicting data regarding which observation cell CC was assigned to.

holding cells that contained a telephone with a 12-inch cord have had the phone cord removed. There are now seven holding cells that do not have any phone cords.

Photos taken of cell H-6 after CC's death revealed a wall-mounted telephone with a 12-inch cord emanating from the bottom of the telephone. Based upon the Jury's research, several options on the market could have been installed to prevent inmate suicides using telephone cords, including telephones with six-inch cords, wireless speaker telephones, and a telephone cord that comes out of the top of the telephone housing, making it more difficult to use as a ligature.

Board of Supervisors Hearing Regarding Jail Health Monitoring

On March 11, 2025, a hearing was conducted by the Board of Supervisors to provide an update on Jail Health Monitoring activities. According to performance audits conducted by the County's Health Department and Behavioral Wellness, of 29 combined quality assurance measures reflecting the adequacy of health coverage, the Main Jail was rated "noncompliant" in nine measures, and "persistently noncompliant" in five of the nine. For the Northern Branch Jail there were eight measures of noncompliance, five of which demonstrated "persistent noncompliance."

The measure that generated the most alarm from the County Supervisors was the extent to which Wellpath failed to meet its contractual obligation to medically assess inmates placed in safety cells every four hours, properly doing so as required only 13 percent of the time at the Northern Branch Jail and 73 percent of the time at the Main Jail. Likewise, MHPs failed to timely check on such inmates inside safety cells within 12 hours, as the contract requires, doing so properly only 67 percent of the time at the Northern Branch Jail and 80 percent of the time at the Main Jail.

On April 1, 2025, the Board of Supervisors approved a new two-year contract with Wellpath.

DISCUSSION

Jail suicides are a serious and tragic problem throughout the country. According to published reports, some factors contributing to these suicides often include: an inmate's mental health issues, substance abuse, and stressful conditions within the jails. Inmate hangings in California, including Santa Barbara County, have been a significant issue in recent years. These incidents often highlight the challenges faced by the jail system in ensuring the safety and mental well-being of inmates. As discussed below, these and other systemic deficiencies were addressed in an inmate class action lawsuit filed in Federal District Court in the 2020 case of *Murray v. Santa Barbara County*.[14]

[14] *Murray v. County of Santa Barbara*, Case Number 2:17-cv-08805-GW-JPR, U.S. District Court (C.D. Cal. 2017).

The County Has Not Fully Complied with the Court-Approved Remedial Plan in *Murray*

The *Murray* lawsuit alleged, in part, that Santa Barbara County and its Sheriff's Office housed inmates in facilities that were overcrowded, understaffed, and unsanitary, and which failed to provide minimally adequate medical and mental health care to its inmates. The parties agreed upon a process for the retention of experts to improve conditions at the Main Jail, which ultimately resulted in a Remedial Plan (Plan).

The Plan requires Jail MHPs to provide clinical input regarding appropriate housing placement upon discharge from suicide precautions. Classification Deputies should consider such clinical input in determining post-discharge placement and conditions of confinement and document the reasons when clinical input is not followed. Once clinically discharged from suicide precautions, the inmate must be promptly transferred to appropriate housing. The Plan also requires the County to designate specialized mental health units, with provision of appropriate levels of programming and treatment for each mental health care service level. The County must provide enough beds at all necessary levels of clinical care and levels of security to meet the needs of inmates with serious mental illnesses.

In May 2025, Wellpath presented its "2024 Annual Report of Wellpath Medical and Mental Health Services." It reported that 5 suicides were attempted in the Northern Branch Jail during 2024, all of which were unsuccessful. In the Main Jail, 12 suicides were attempted, and one was successful, that being CC's case. Wellpath concluded that despite updating its inmate monitoring tools, there still existed "recurring non-compliance issues," such as the "failure to reassess patients in safety cells within the specified timeframe, delays in responding to sick calls, and incomplete post-suicide watch assessments."

In CC's case, an MHP removed her from a safety cell and advised custody officers to transfer her to an observation cell for further monitoring. MHPs had little to no control over cell placement. Hence, CC was assigned to a cell that contained a danger to potentially suicidal inmates—a telephone cord—because the Main Jail lacked enough cordless mental health observation cells to house recently suicidal inmates. Three such cells were not sufficient to accommodate the needs of the most vulnerable inmates, those demonstrating suicidal ideations.

There Was a Considerable Risk in Placing CC in an Observation Cell with a Telephone Cord

In the past seven years, six inmates, including CC, have committed suicide in the County's jails. In July 2018 an inmate hung himself by tying his T-shirt to the upper portion of his cell bars. In October 2019, an inmate with mental health issues committed suicide in a cell by wrapping a telephone cord around his neck. In early 2021, an inmate hung himself using a bed sheet. Two inmates committed suicide in 2023, one by hanging and another by jumping off a second-story tier.

There are haunting similarities between the circumstances in CC's suicide and the October 2019 suicide case. An inmate identified as D1 in a previous Grand Jury report had a history of suicide risk according to jail records. D1 was placed in a holding cell that contained a telephone and committed suicide there by hanging himself with the phone cord, exactly as CC did.

The 2019-2020 Santa Barbara County Grand Jury's investigation concluded with a Finding that "The inmate was housed in a cell that was not intended for mental health or medical observation." That Grand Jury recommended "the Santa Barbara County Sheriff Custody Staff house inmates displaying symptoms of mental illness in cells intended for mental health or medical observation" and that the Sheriff "not house inmates in cells with corded telephones."

In his formal response to the Grand Jury report, the Sheriff refused to implement the corded telephone recommendation, arguing that it was inconvenient for other inmates and unnecessary because all phone cords had been reduced from 18 inches to 12 inches following D1's suicide. More specifically, the Sheriff asserted that the 12-inch cord "does not allow for the ligature point and still provides inmates with a normalized telephone." In that same response, the Sheriff claimed that the recommendation to house inmates with mental health problems in cells designed to meet their needs "has been implemented."

Unfortunately for CC, the SBSO's failure to provide a suitable holding cell resulted in her untimely death.

Other Options Could Have Been Pursued Instead of CC's Transfer to H-6

CC was a suicide risk given her repeated suicidal statements and self-strangulation attempts in the week leading up to her suicide. Even if there were no cordless observation cells available on the day CC committed suicide, the staff could have tried several options other than the one chosen:

1. CC could have been moved to the County's psychiatric holding facility (PHF) or the Crisis Stabilization Unit if a bed was available.
2. The Mobile Crisis Team could have been called to perform an emergency 5150 assessment potentially resulting in a 72-hour hold in the appropriate psychiatric facility.
3. CC could have been moved to a local hospital's emergency department for further evaluation.
4. CC could have been moved to the Northern Branch Jail if a mental health observation bed was available.
5. CC could have been moved to another county's psychiatric facilities.
6. CC could have been assigned a "sitter," an individual that provides constant observation for inmates at risk.

The Jury has seen no evidence that any of these options were considered or sought. It should be noted that many of the above options may have, if tried, been unavailable due to overcrowding in

those facilities. We may never know if that was true because none of those options were tested in this case.

The Main Jail's infrastructure is antiquated and has a limited number of observation cells available. This problem has been identified several times over the past years, by the Grand Juries, the SBSO, Behavioral Wellness, and the Board of Supervisors. Indeed, Sheriff Brown has argued in favor of jail expansion, citing concerns over overcrowding and deteriorating conditions in the Main Jail. In this investigation, insufficient staffing and housing were the root causes that allowed CC's suicide. Efforts have been underway for at least the last two years to increase the number of beds available in the Northern Branch Jail such that inmates at the Main Jail can be moved there. The Northern Branch Jail is better equipped to handle mental health patients.

As noted above, on April 1, 2025, the Board of Supervisors agreed to fund further construction to add additional mental health beds and staff hiring at the Northern Branch Jail, which, in this Report, the Jury observes has been desperately needed.

Wellpath Staff Did Not Comply with Its Policies in CC's Case

Wellpath staff failed to comply with applicable Wellpath policies and procedures in securing CC's safety, as discussed below.

The Main Jail was not equipped with a sufficient number of observation cells or mental health staff in the IRC. According to Wellpath policy, when the facility is not equipped with housing capacity and/or mental health staff to maintain the patient's safety, transfer must be arranged to the closest facility that can offer adequate protection for the patient. According to the applicable policies, the decision to pursue a transfer may include, but is not limited to:

1. Considering involuntary treatment
2. Requesting assistance from the court liaison in obtaining a community hospital bed
3. Requesting assistance from the facility's legal counsel in obtaining a community hospital bed
4. Ensuring awareness and request assistance from Wellpath's Regional Directors of Mental Health, Vice-President of Mental Health, and Regional or Chief of Psychiatry
5. Increasing clinical contact with the inmate

Other than the one 5150 assessment performed by a Mobile Crisis Team, the Jury has seen no evidence that any of these options were considered or implemented during CC's incarceration.

SBSO and Wellpath policies state that after an inmate has remained in a safety cell for more than 12 hours, the Mobile Crisis Team must be called to conduct an evaluation. CC was housed in Safety Cell 3 for 23 hours and 52 minutes between November 10th and 11th, but the Mobile Crisis Team did not assess her until November 12th at approximately 10:00 p.m. The policy also requires

MHPs to follow up regularly with the Mobile Crisis Team to inquire about the inmate's pending evaluation and placement. MHPs did not adhere to these policies.

According to Wellpath policy, an inmate must not remain in a safety cell beyond 24 hours unless there are "exceptional circumstances" documented by MHPs and custody staff. CC remained in Safety Cell 4 for 24 hours and 39 minutes between November 12th and 13th, but there was no documentation describing such exceptions. MHPs did not comply with this policy.

Wellpath policy states that prior to placing an inmate in a safety or mental health observation cell, custody staff shall inspect the cell to ensure no items are available for potential self-harm. When placing CC into H-6, custody staff knew that the cell had a telephone cord which, in the Jury's view, was available for potential self-harm.

According to Wellpath policy, cells housing suicidal patients should be as suicide-resistant as possible. Clearly, cell H-6 was not adequately suicide-resistant.

Wellpath policies state that inmates showing "no improvement or continuing deterioration" such as escalating, inappropriate, and/or bizarre behaviors or for whom, after six hours of placement in a safety cell, it is impossible to complete a hands-on nursing assessment (including vital signs), must be transferred to the hospital for further medical and diagnostic evaluation. This did not occur, even though CC continued to decompensate during her days in jail.

A Jail Psychiatrist Failed to Evaluate, Diagnose, and Treat CC

CC's self-reported history of bipolar disease was noted during the Jail health receiving screening, and CC stated she had not taken anti-psychotic medication in a year and a half. However, the Jail psychiatrist was not notified of the diagnosis.

Further, the MHPs who repeatedly evaluated CC during her incarceration did not document her history of bipolar disease, and did not consider this in their evaluation of her suicidal ideation. The MHPs are not licensed to prescribe medication and are required by their licensure to consult a psychiatrist to treat patients who require medication.

Furthermore, a psychiatric evaluation should have been conducted when CC was placed in the two safety cells. The SBSO's policy on the use of safety cells dictates that "the psychiatrist will examine inmates in safety cells." Wellpath's policies dictate that a psychiatrist must assess all inmates after being housed in a safety cell for 24 hours. CC was housed in Safety Cell 4 for more than 24 hours between November 12th and 13th, yet the psychiatric assessment never occurred because CC refused to participate.

The psychiatrist did not review CC's history between November 8th and 13th because CC declined to attend the November 13th visit, which was then cancelled. Nor did the psychiatrist contact the MHPs to follow up about CC's condition, simply scheduling an assessment for a week later.

The Jury learned that the goal in treating suicidal patients is to stabilize them and return them to the jail's general population at the earliest possible time. Specifically, the Jury learned that such patients should be prescribed anti-psychotic medications to control delusional and bipolar conditions. Prescribing anti-psychotic medications to individuals with bipolar disorder can greatly reduce their risk of suicide. CC was never prescribed anti-psychotic medications during her stay in the jail.

Despite the ongoing deterioration of CC's mental status in the days leading to her demise, a psychiatrist at the jail failed to take steps to ensure CC's safety given that she was at risk of suicide.

There Was Poor Communication Between the Mobile Crisis Team, Outside Mental Health Professionals, and Jail Mental Health Staff

The MHPs had little to no communications with Cottage Hospital regarding their treatment of CC just prior to her transfer to the Main Jail. CC was evaluated by a Cottage Hospital psychiatrist on November 9th who diagnosed her with adjustment disorder and gave her psychotropic medication while in the hospital. However, the MHPs were not provided with that psychiatrist's report or medication orders. In addition, the Jury has seen no evidence that the MHPs made any effort to obtain CC's prior mental health information or records from any outside provider, including Cottage Hospital and a health clinic where she had been seen.

MHPs would have to contact outside providers to request an inmate's prior medical and mental health records, which often takes days or weeks, thus delaying the information necessary for the mental and medical staff to properly treat inmates. An inmate's prior mental diagnoses, treatment, and treatment plans should be obtained by the MHPs as soon as possible to provide consistent ongoing care in jail. To expedite this process, mental and medical staff can request signed authorizations from all inmates upon entry for the release of information necessary for the protection of inmates' health. The Jury has learned that since CC's death, a new authorization form has been created, but the Jury does not know whether it is being used at intake in the IRC.

MHPs are not prohibited from obtaining an inmate's mental health records from outside providers pursuant to the Health Insurance Portability and Accountability Act of 1996 (HIPAA). HIPAA permits jail healthcare providers to obtain an inmate's mental and medical records from outside providers in certain circumstances without inmate consent. For example, 45 C.F.R., § 164.512 (k)(5)(i) states that a healthcare provider may disclose to a correctional institution an inmate's protected health information if the correctional institution represents that such information is necessary for the health and safety of such inmate. However, there was a misconception among

MHPs at the jail that they could not obtain mental health records from outside providers due to HIPAA confidentiality concerns.

Jail mental health and medical staff should be retrained on the applicability of HIPAA to the jail environment. The SBSO and other County mental health agencies are reassessing these issues in hopes of improving communication between outside providers and the County's jails. The Jury is hopeful that this can be resolved at the earliest opportunity.

The Jail's Electronic Health Record System Could Not Concisely Summarize CC's Prior Mental Health History from Outside Healthcare Providers

When any inmate enters the County's jails, the only medical records usually available at intake are from prior County jail stays. Even though CC was evaluated by Behavioral Wellness' Mobile Crisis Team just two weeks prior and a psychiatrist at Santa Barbara Cottage Hospital shortly before her intake, that and any other outside medical information was not available to Wellpath staff. It is up to the individual initiative of the medical staff at the County's jails if they make any effort to obtain past health records from outside providers or hospitals. In contrast to electronic health record systems utilized by other Santa Barbara hospitals, clinics, and doctors, the electronic health record system currently employed at the County's jails cannot receive information shared from outside sources. While there has been recognition of the need to upgrade the current health record information system to better obtain essential health history, this has yet to be done.

At the Board of Supervisors meeting on April 1, 2025, County officials stated that the SBSO may participate in the use of a new electronic health database that, at the very least, can access a patient's mental health record from Behavioral Wellness. The Jury hopes these efforts are forthcoming in the near future.

CONCLUSION

It is the Jury's view that the MHPs exhibited integrity and compassion in treating CC given the inherent deficiencies discussed in this Report. Likewise, custody staff demonstrated dedication and sincerity in their mission of safeguarding inmates. But that should not end the discussion. The systems and infrastructure used to evaluate and treat inmates with severe mental health concerns have failed inmates and staff. They must be given the necessary resources to ensure the health and safety of inmates, especially those with mental health conditions, or more individuals will die.

If you're having thoughts of suicide, please call the National Suicide Prevention Lifeline at 1-800-273-8255, or call or text 988 (Crisis and Suicide Lifeline). They have caring people available 24/7 to provide free and confidential support.

FINDINGS AND RECOMMENDATIONS

Finding 1: CC should not have been transferred to an observation cell with a telephone cord.

Recommendation 1a: The Grand Jury recommends that the Sheriff's Office will not place an inmate deemed by mental health staff to have been recently suicidal in an observation cell that contains a telephone cord. To be implemented no later than January 1, 2026.

Recommendation 1b: The Grand Jury recommends to the Sheriff's Office that if no cordless mental health observation cells are available when stepping down a potentially suicidal inmate from a safety cell, a Jail mental health provider should seek to transfer that inmate to the closest facility that can offer adequate protection. To be implemented no later than January 1, 2026.

Recommendation 1c: The Grand Jury recommends to the Sheriff's Office that if no cordless mental health observation cells are available when stepping down a potentially suicidal inmate from a safety cell in the Main Jail, a Jail mental health provider must contact the County's psychiatric holding facility, the Crisis Stabilization Unit, a local hospital, and the Northern Branch Jail to determine if a bed offering an appropriate level of care is available. To be implemented no later than January 1, 2026.

Recommendation 1d: The Grand Jury recommends that the Board of Supervisors negotiate a memorandum of understanding with San Luis Obispo County, Ventura County, Los Angeles County, and other neighboring counties in California setting procedures for transferring and accepting inmates with severe mental health disease when no other safe housing options are available. To be implemented no later than January 1, 2026.

Finding 2: Wellpath staff failed to comply with existing policy requiring a psychiatric assessment while housed in a safety cell.

Recommendation 2: The Grand Jury recommends that while an inmate is housed in a safety cell, the Sheriff's Office require a Wellpath psychiatrist conduct an evaluation of that inmate. Given that the recommendation is to follow existing policy, to be implemented immediately.

Finding 3: A Jail psychiatrist failed to evaluate, diagnose, or treat CC's severe psychiatric illnesses, which were serious shortcomings.

Recommendation 3a: The Grand Jury recommends that if the on-duty psychiatrist is not available to conduct what Jail medical and mental health staff deem to be an urgent evaluation of an inmate, the Sheriff's Office require Wellpath to designate another backup on-call psychiatrist to conduct such an evaluation. To be implemented no later than January 1, 2026.

Recommendation 3b: The Grand Jury recommends to the Sheriff's Office that if a stepdown inmate refuses to participate in a psychiatric evaluation, the on-duty Jail psychiatrist be required to obtain and review the inmate's mental health history. To be implemented no later than January 1, 2026.

Finding 4: During CC's first approximately 23-hour stay in Safey Cell 3, the Sheriff's Office failed to ensure that Wellpath staff comply with policy requiring that the Mobile Crisis Unit be called after 12 hours in a safety cell.

Recommendation 4: The Grand Jury recommends that after an inmate spends more than 12 hours in a safety cell, the Sheriff's Office require that Wellpath staff always call the Mobile Crisis Unit to conduct an evaluation and document the call and its outcome in the Jail electronic health record. Given that the recommendation is to follow existing policy, to be implemented immediately.

Finding 5: There was poor communication regarding CC's mental health history between Jail mental health staff, Mobile Crisis Teams, and outside healthcare providers who treated her.

Recommendation 5a: The Grand Jury recommends that the Sheriff's Office require additional training for Wellpath mental health providers regarding HIPAA regulations concerning inmates, including defining under what circumstances a mental health provider may legally contact outside mental health providers about an inmate's mental health history**.** To be implemented no later than January 1, 2026.

Recommendation 5b: The Grand Jury recommends that the Sheriff's Office require the on-duty registered nurses at the County's jails to request every newly arriving inmate at the time of intake to sign a written authorization to release their medical and mental health records and information. To be implemented no later than January 1, 2026.

Finding 6: Wellpath staff did not obtain critical health-related documentation from Cottage Hospital or Behavioral Wellness and therefore CC did not receive proper treatment in jail.

Recommendation 6a: The Grand Jury recommends that the Sheriff's Office require Wellpath staff to contact outside healthcare providers, such as hospitals, physicians, and clinics, to obtain inmates' health records in a timely manner following intake. To be implemented by January 1, 2026.

Recommendation 6b: The Grand Jury recommends that the Sheriff's Office upgrade its electronic health record system to allow it to receive patient health information from outside providers via an industry-standard means of internet transmission. To be implemented by March 31, 2027.

Finding 7: The Sheriff's Office did not comply with the Remedial Plan outlined in *Murray v. Santa Barbara County* because it did not provide enough beds at all necessary levels of clinical care and security to meet the needs of inmates with serious mental illnesses, as in CC's case.

Recommendation 7a: The Grand Jury recommends that the Sheriff's Office provide and maintain safety and observation cells sufficient in number to meet ongoing demands.

Recommendation 7b: The Grand Jury recommends that the Sheriff Office require custody staff to consider mental health staff's clinical input when determining placement upon discharge from a safety cell and document the reasons when clinical input is not followed.

This report was issued by the Grand Jury with the exception of a Grand Juror who wanted to avoid the perception of a conflict of interest. That Grand Juror was excluded from all parts of the investigation, including interviews, deliberations, and the writing and approval of this report.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors – 90 days

Findings 1, 2, 3, 4, 5, 6, 7
Recommendations 1a, 1b, 1c, 1d, 2, 3a, 3b, 4, 5a, 5b, 6a, 6b, 7a, 7b

Santa Barbara County Sheriff's Office – 60 days

Findings 1, 2, 3, 4, 5, 6, 7
Recommendations 1a, 1b, 1c, 1d, 2, 3a, 3b, 4, 5a, 5b, 6a, 6b, 7a, 7b

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PREVENTABLE DEATH AT THE NORTHERN BRANCH JAIL



FILED JUNE 24, 2025

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PREVENTABLE DEATH AT THE NORTHERN BRANCH JAIL
A Death-in-Custody Investigation

SUMMARY

On the fifth day after her incarceration at the Santa Barbara County Northern Branch Jail on March 24, 2025, inmate CF, a 57-year-old woman, was found unresponsive in her cell and could not be successfully resuscitated. The autopsy report concluded that CF died because of peritonitis (infection in the abdominal cavity) caused by a perforated gastric ulcer.

The 2024-25 Santa Barbara County Grand Jury investigated the facts and circumstances surrounding CF's death at the Northern Branch Jail. The Jury found that CF had repeatedly complained of abdominal pain for the last two days of her incarceration. Moreover, the autopsy indicated that CF's stomach had perforated days before her death.

Throughout her incarceration, the medical care provided to CF did not meet numerous jail medical procedure requirements. For example, her complaints of pain were never appropriately evaluated, which meant that CF did not receive treatment. CF was never seen by a physician during her incarceration. Her requests for transfer to an emergency room were not documented nor acted upon by medical staff. As a result, a diagnosis of CF's perforated stomach was never made. Had CF's complaints been evaluated, she would have received treatment for her perforated ulcer, and her death could have been prevented.

While the Sheriff's Office released a statement that CF's death was unavoidable, the Jury concludes that there were opportunities to prevent this death.

BACKGROUND

Timeline of the Present Case

On Wednesday, March 19, 2025, CF, a Lompoc resident, was arrested at her home at 6:35 p.m. by Deputies of the Santa Barbara County Sheriff's Office (SBSO) on a felony no-bail warrant for possessing a firearm and ammunition as a prohibited person. During the booking process at the Northern Branch Jail (NBJ), Deputies documented that CF had chronic back injury, PTSD, and psychosis. During the health receiving screening, medical staff documented that CF denied lower abdominal pain. CF's self-reported prescription use of a narcotic pain medication for chronic back pain was noted during this screening. There was no documentation that CF had ever abused narcotic pain medication, nor that she otherwise utilized other narcotic drugs. CF also denied that she had ever experienced withdrawal symptoms related to her use of a narcotic pain medication.

CF was medically cleared by the registered nurse at 9:44 p.m. and was placed in a holding cell in the booking area at 9:55 p.m. Rather than bridge, or continue, CF's narcotic prescription, a nurse practitioner ordered via telephone that CF be placed on an opioid withdrawal monitoring protocol, which included prescriptions for medications to treat vomiting, nausea, and diarrhea and nursing assessments every eight hours. In addition, the telephone order included administration of acetaminophen (Tylenol) for pain. CF did not exhibit any signs of opioid withdrawal when she was first evaluated for symptoms at 1:00 a.m. on Thursday, March 20th. When the booking process was completed, CF was removed from the holding cell at 1:17 a.m. and was escorted to G Unit as a minimum-level, general population inmate.

On several different occasions throughout the day on March 20th, CF was evaluated for withdrawal symptoms, but scored so low on each assessment that it raised no concerns.

On March 21st, CF was transported to court for her arraignment along with another female inmate from G Unit. CF left the NBJ at 7:14 a.m. for her hearing, where she was remanded back to custody. She returned to jail at 3:54 p.m. Following her return to the jail on March 21st, CF was seen twice by registered nurses for opioid withdrawal assessments with no issues documented.

On March 22nd, CF was evaluated three times for opioid withdrawal symptoms, with no abnormalities found except an elevated resting pulse rate on two of the assessments.

Early on the morning of March 23rd, custody staff became aware that CF was causing a disturbance in her cell in G Unit. CF was observed to be hyperventilating, moaning, and screaming. At that time, CF described intense abdominal pain and arm pain and indicated that she believed she was having a heart attack. custody deputies removed CF from G Unit and brought her to a waiting cell in the NBJ's clinic at 5:23 a.m. While a member of medical staff reportedly evaluated her while she was in this waiting cell, the Jury has found no documentation in the electronic health record of that medical evaluation. In fact, the forms that nursing staff are expected to complete for documenting pain assessments were not utilized in response to this or any of CF's subsequent complaints of intense pain. The end result of CF's screaming and complaints of pain on the morning of March 23rd was her placement in a mental health observation cell. CF was not seen by a mental health provider until 11:30 a.m. that morning.

During the entirety of her 35-minute encounter with mental health staff on March 23rd, CF was moaning, grunting, and grimacing due to pain. CF stated that her "guts are all twisted up." At this time, the observation cell's floor appeared to be covered in various spots of spit mixed with vomit.

At 10:15 p.m., CF was again assessed by a member of mental health staff. CF again expressed that she was in a great deal of abdominal pain. Medical staff assessed CF at the request of mental health staff at this time. Medical staff stated that CF was experiencing opioid withdrawal symptoms.

During this assessment, a pain assessment form was not utilized, nor was a hands-on examination performed. After CF was administered Tylenol, she was willing to continue speaking with mental health staff for a brief period of time.

At 11:00 p.m., a member of medical staff conducted another withdrawal symptom assessment, this time documenting nausea, loose stool, diffuse discomfort, increasing anxiousness, and an elevated resting pulse rate. CF was repeatedly administered Tylenol each day from March 21st until her death. No other pain medications were administered. The Jury has found no documentation in the medical record whether CF's pain ever improved on this regimen.

On March 24th at approximately 8:15 a.m., CF was again seen by a member of mental health staff. CF complained of abdominal pain and requested to go to an emergency room. Although this request was relayed to medical staff, it was not acted upon. CF was cleared for stepdown from mental health observation, and was relocated at 8:55 a.m., returning to G Unit later that day.

CF took a shower upon returning to G Unit and then remained in her cell throughout the afternoon. Medical staff arrived in G Unit to perform another withdrawal symptom assessment at 3:00 p.m., though, at this point, CF could not walk to the exam room in G Unit where the assessment was supposed to take place. This was taken to be a refusal of clinical services, and the withdrawal symptom assessment was not performed.

At approximately 5:00 p.m., a custody deputy delivered a tray of food to CF in her cell for dinner. CF was sitting on her bed in the cell and made a grunting noise in acknowledgement of the food delivery. At 5:15 p.m., when the custody deputy returned to collect the tray, CF had not touched any of the food.

Only twenty minutes later, at 5:35 p.m., CF was discovered unresponsive in her cell, slumped over, with lips that had become blue in color. Lifesaving measures were immediately initiated by custody and medical staff, which included the use of an AED, chest compressions, five doses of Narcan, and two doses of epinephrine. These resuscitative measures were unsuccessful, and CF was declared dead at 6:11 p.m.

The autopsy report concluded that CF died because of a perforated gastric ulcer.

Gastric Ulcers

A gastric ulcer is a type of peptic ulcer that occurs on the lining of the stomach. It is basically a sore or lesion that forms due to an imbalance between the stomach's aggressive digestive acids and the protective mucus lining. Common causes include Helicobacter pylori (H. pylori) infection, long-term use of medications like ibuprofen or aspirin, excessive alcohol use, smoking, and/or chronic stress.

Perforation is a serious and life-threatening complication of a gastric ulcer. It happens when the ulcer erodes completely through the stomach wall, creating a hole. This allows stomach contents (acid, food, bacteria) to spill into the abdominal cavity, causing peritonitis—a severe infection of the abdominal lining. If untreated, perforation of a gastric ulcer invariably results in sepsis and death.

The signs and symptoms of perforated gastric ulcer include severe abdominal pain (often in the upper abdomen), rigid, board-like abdomen on physical examination, nausea, and vomiting.

The diagnosis of a perforated gastric ulcer begins with obtaining a history from the patient of abdominal pain, and a physical examination showing abdominal tenderness. Diagnostic tests include an X-ray or CT scan of the abdomen, which shows fluid and air in the abdominal cavity.

The treatment of a perforated gastric ulcer is emergency surgery to close the perforation. Intravenous fluids and antibiotics are adjuncts to surgical treatment. If treated promptly, only a short hospital stay is usually required.

The prognosis of perforated gastric ulcer is excellent if treatment is instituted immediately, with a survival rate of approximately 90% in reported series.[1,2] However, if diagnosis is delayed, treatment is less successful, and death from sepsis is more likely.

Evaluation of Inmates in Pain at County Jails

Pain evaluation in county jails (or any correctional facility) must balance clinical care, security, and legal standards. Pain assessment is a mandatory requirement for the humane treatment of inmates, and should be performed following medical, ethical, and legal guidelines. As of 2025, the National Commission on Correctional Health Care (NCCHC) continues to utilize its 2018 edition of the *Standards for Health Services in Jails*. Section 11.2 of the County's contract with California Forensic Medical Group, Inc. (Wellpath), the contracted healthcare provider for the County's jails, requires that Wellpath attain and subsequently maintain NCCHC accreditation for both jails in the County. Elements of essential policy established in the *Standards* (J-E-07) are reflected in Wellpath policy.

Wellpath policy states that when inmates complain of pain either verbally or in writing, they must be evaluated in a clinically appropriate time frame. Furthermore, reaction to an inmate's reports of pain must be based on the patient's perceptions of their own pain. Initial triage and history must be performed by a qualified healthcare provider (registered nurse, nurse practitioner, physician's

[1] Arshad, Seyed A., Patrick Murphy, and Jon C. Gould, "Management of Perforated Peptic Ulcer: A Review," *JAMA Surgery* 160, no. 4 (2025): 450–54. https://doi.org/10.1001/jamasurg.2024.6724

[2] Noguiera, Carlos, et al., "Perforated Peptic Ulcer: Main Factors of Morbidity and Mortality," *World Journal of Surgery* 27, no. 7 (2003). https://doi.org/10.1007/s00268-003-6645-0

assistant, or physician) upon complaint. When a patient seeks health services more than two times with the same complaint, he or she receives an appointment to see a nurse practitioner, a physician's assistant, or a physician.

In terms of generally accepted clinical practices for pain assessment, the history gathered should include the location, intensity, and duration of pain. The type of pain should also be characterized (sharp, dull, burning, etc.).

Healthcare providers should employ evidence-based pain assessment tools to characterize the pain. These tools help ensure that the severity of the pain is documented, and that appropriate treatment is initiated. Such validated tools include:

- Numeric Rating Scale (0–10)
- Visual Analog Scale (VAS)
- Wong-Baker Faces Pain Scale (especially for those with communication difficulties)
- For non-verbal patients: use behavioral cues (grimacing, guarding, agitation)

Each pain assessment should be documented in a medical record. The documentation should include:

- Patient's reported pain level
- Clinical observations
- Vital signs
- Interventions taken (medications, referrals)
- Patient response

Patients should be immediately referred to a physician or for emergency care if:

- Pain is severe or escalating
- Pain does not improve after prescribed pain medication administration
- Pain is associated with serious symptoms (e.g., chest pain, bleeding, behavioral or neurological abnormalities)

METHODOLOGY

The Jury obtained the information contained in this Report from:

- Documents and other evidence provided by the Santa Barbara County Sheriff's Office and Coroner's Bureau. This evidence included, but was not limited to, booking and classification documents, security camera video recordings, audio recordings of internally conducted interviews, and CF's autopsy report.
- The health record maintained by Wellpath for CF during her incarceration
- The County's current and previous contracts with Wellpath and several policy manuals

- Published guidelines, including the NCCHC's *Standards for Health Services in Jails* (2018) and the Federal Bureau of Prisons' *Pain Management of Inmates: Clinical Guidance* (2018)
- Published scientific resources on gastric ulcers and clinical standards for pain assessment
- Live interviews with individuals knowledgeable of the events and matters at issue in this Report, including employees of Wellpath, the SBSO, and the County of Santa Barbara Health Department (County Health)

DISCUSSION

For the two days prior to her death, CF repeatedly complained of intense abdominal pain, but the Jury found no indication that medical staff performed even rudimentary assessments of this pain. The Jury has found no medical documentation of the severity of her pain or its nature. Though CF was repeatedly given Tylenol, the Jury has found no documentation whether CF's pain was ever reduced following medication administration. In addition, the Jury has found no documentation that any medical professional physically examined CF for abdominal tenderness during her incarceration. CF was never referred to, or evaluated by, a nurse practitioner, physician's assistant, or physician following her many repeated complaints of pain to nursing staff.

CF's persistent complaints of pain were repeatedly left unaddressed by medical staff because they attributed her pain to the diagnosis of narcotic withdrawal. This perception led nursing staff to not appropriately assess her repeated pain complaints.

In the records provided to the Jury, there is no evidence that medical staff ever utilized any evidence-based process or form to document the severity and nature of CF's pain. The Jury learned that Wellpath nurses caring for inmates in the County's jails are expected to document pain assessments in the electronic health record utilizing standardized pain assessment forms, but this was never done in response to CF's repeated complaints of pain. The withdrawal assessment forms that were used to assess CF only evaluate the severity of specific opioid withdrawal symptoms after a withdrawal diagnosis has been made. In contrast, pain assessment forms are used to evaluate the intensity and characteristics of a patient's perceived pain; these two types of forms serve distinctly different purposes at the jails.

Though CF requested transfer to an emergency department just nine hours before her death, the Jury found no documentation that medical staff ever thoroughly evaluated whether this transfer was needed nor found any documentation explaining why the request was not honored. The Jury learned that such documentation should have been completed but was not.

The autopsy revealed that the cause of CF's death was from a perforated gastric ulcer. The nature of the fluid, inflammation, and adhesions in the abdominal cavity indicated that this perforation had occurred days before her death; this was the clear cause of CF's pain during her incarceration.

On March 25, 2025, the SBSO released a Notice of In-Custody Death to local media describing the circumstances of CF's death, and on March 27th, the SBSO issued a public update on the case. In the update, which was released the day following the initial autopsy examination, the SBSO stated that CF's death was unavoidable. In contrast, the Jury found that there were opportunities that might have prevented this death had the gastric perforation been discovered and treated. To date, the SBSO's statement that this death was unavoidable has not been revised.

CONCLUSION

After five days of incarceration in the Santa Barbara Northern Branch Jail, inmate CF died because of an untreated perforated gastric ulcer. For at least two days during her jail stay, CF repeatedly complained of pain, yet her pain was never appropriately evaluated. While the jail had established tools and forms to evaluate inmates' pain, these were never utilized, though their use was expected. Had an appropriate evaluation of CF's pain occurred, with subsequent treatment rendered immediately, CF's death could potentially have been avoided.

FINDINGS AND RECOMMENDATIONS

Finding 1: CF repeatedly complained of abdominal pain for at least two days prior to her death, but these complaints were not assessed by medical staff in accordance with jail medical policy, procedure, and protocol.

Recommendation 1: The Grand Jury recommends that the Sheriff's Office require that qualified medical professionals assess and treat pain according to accepted medical standards and in accordance with existing policy, procedure, and protocol when inmates in the County's jails complain of pain.

Finding 2: Nursing staff at the Northern Branch Jail did not follow an evidence-based process to evaluate or treat CF for her abdominal pain, though such pain assessment forms were available and their use expected.

Recommendation 2: The Grand Jury recommends that the Sheriff's Office instruct all medical staff at the County's jails to utilize available evidence-based pain assessment forms to evaluate and document inmates' pain complaints.

Finding 3: Inmate CF's death might have been prevented if she had received appropriate medical assessment in jail.

Recommendation 3a: The Grand Jury recommends that the Board of Supervisors direct County Health to thoroughly assess the medical care provided to CF by Wellpath. To be implemented by January 1, 2026.

Recommendation 3b: Based on the investigation of the care provided to CF, the Grand Jury recommends that the Board of Supervisors direct County Health make public a report identifying opportunities for systemic improvements in the quality of medical care in the County's jails. To be implemented by January 1, 2026.

This report was issued by the Grand Jury with the exception of a Grand Juror who wanted to avoid the perception of a conflict of interest. That Grand Juror was excluded from all parts of the investigation, including interviews, deliberations, and the writing and approval of this report.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors – 90 days

Findings 1, 2, 3
Recommendations 3a, 3b

Santa Barbara County Sheriff's Office – 60 days

Findings 1, 2, 3
Recommendations 1, 2

E-BIKES IN SANTA BARBARA



FILED JUNE 25, 2025

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E-BIKES IN SANTA BARBARA
What Will It Take to Make Them Safe?

SUMMARY

Electric bicycles, or e-bikes, have become an increasingly common mode of transportation. Whether they are used by students going to school or adults traveling to work, they have become a part of our culture of being on the go. This is evident in Santa Barbara, where City officials have been redesigning City pathways to encourage bike, and now e-bike, traffic. However, the rapid rise of e-bike usage since the pandemic—particularly among younger riders—has led to increased frustrations and dangers for riders, pedestrians, and even automobile drivers. Public safety is at risk.

The proliferation of e-bikes has presented significant challenges for Santa Barbara County's South Coast, and especially the City of Santa Barbara, where State Street has become an e-bike promenade. City officials initially waited to determine appropriate traffic laws applied specifically to e-bikes and only recently enacted new laws in the spring of 2025 regarding unsafe e-bike riding. The question now is how the new ordinance will be enforced.

It is with a sense of urgency that the 2024-25 Santa Barbara County Grand Jury studied the matter of e-bikes in the City of Santa Barbara. Numerous postings on social media by local citizens cite bad behavior and near accidents on the part of e-bike riders. Accidents have been verified by local police and hospital records. Riders and pedestrians are at risk of critical injuries and death. The advent of e-bikes marks a broad cultural shift in how the community interacts in shared spaces, and addressing this change will require a collective effort to educate the public on the City's new e-bike ordinance.

BACKGROUND

California State Law

The standard pedal-propelled bicycle is still a mainstay of American culture, but the e-bike has grown rapidly in popularity since the 1990s. There are now a substantial number of e-bikes on public roads. But in California, there is still no requirement for registration or a license to use e-bikes, nor is there a requirement for insurance. As with many rapidly emerging technologies that present safety concerns, state and city governments have been slow to respond with updated legislation to institute effective enforcement of traffic safety laws for e-bikes.

The federal government enacted its first e-bike law in 2005. The California State Legislature passed its first e-bike law in 2015. The first step, with the passage of California AB 1096 (2015), was to define what qualifies as an electric bike, differentiating e-bikes from gasoline-powered bicycles, mopeds, or motorcycles. As a result, as of 2017, all e-bikes in California are required to have a label that describes its class, maximum motor-assisted speed, and motor wattage.[1] The maximum wattage for e-bikes is 750 watts. Any wattage above that could require that e-bike be reclassified as a moped or motorcycle, necessitating licensing and registration.

Like many other states, California classifies e-bikes into three categories based on top speeds and whether pedaling is a necessary function for motor assistance. The following categories are defined in California Vehicle Code section 312.5, subdivision (a) 1-3:

- A Class 1 electric bicycle, or "low-speed pedal-assisted electric bicycle," is equipped with a motor that provides assistance only when the rider is pedaling and that ceases to provide assistance when the bicycle reaches the speed of 20 miles per hour.
- A Class 2 electric bicycle, or "low-speed throttle-assisted electric bicycle," is equipped with a motor that may be used exclusively to propel the bicycle and that is not capable of providing assistance when the bicycle reaches the speed of 20 miles per hour. A throttle provides a boost without pedaling.
- A Class 3 electric bicycle, or "speed pedal-assisted electric bicycle," is a bicycle equipped with a motor that provides assistance only when the rider is pedaling, that is not capable of exclusively propelling the bicycle, and that ceases to provide assistance when the bicycle reaches the speed of 28 miles per hour. A Class 3 e-bike is equipped with a speedometer.

California has few restrictions on where e-bikes can be ridden. All three classes of e-bikes can utilize properly designated bike lanes on public roadways, and, generally, all classes of e-bikes are allowed on bike paths and multi-use trails. Though Class 3 e-bikes were initially restricted from bikes paths and multi-use trails, California AB 1909 (2022) amended section 21207.5 of the California Vehicle Code in 2023 to remove this restriction. However, local authorities do have the ability to impose restrictions on designated trails such as equestrian or hiking trails within their jurisdiction. Moreover, local governments can decide where e-bikes cannot go, including sidewalks, to safeguard their communities.

There are currently no statewide age restrictions for riders of Class 1 and 2 e-bikes. E-bike riders under the age of 18 must wear protective headgear. All Class 3 e-bike operators need to be 16 years or older and must wear a helmet regardless of age.[2]

Following the passage of AB 1096 in 2015, the State Legislature has generally focused its efforts on e-bikes in two specific areas: the first, restrictions on consumers' ability to modify their e-bikes;

[1] See Cal. Vehicle Code section 312.5, subdivision (c).
[2] See Cal. Vehicle Code section 21213.

and, the second, studies and pilot programs aimed at gathering data as groundwork for future legislative efforts. SB 1271, signed into law in 2024, clarified the definitions of Class 1 and Class 3 e-bikes, and restricted consumers' ability to modify an e-bike to reach speeds beyond 20 mph on motor power alone, exceed 750 watts of motor power, or remove the operable pedals. In a similar vein, AB 1774, passed in 2024, amended section 24016 of the California Vehicle Code to clarify that modifications to an electric bicycle are allowed only if it can still meet the legal definition of an e-bike, and prohibited the sale of devices that alter its speed capability to exceed that definition.

Following the passage of SB 381 in 2023, which authorized a comprehensive study by San Jose State University of e-bike injury patterns and policy prescriptions, the State Legislature passed two separate bills in 2024 enabling two California counties to enact pilot programs enforcing stricter laws for e-bikes, including stricter age requirements.[3] AB 2234 allows local authorities within San Diego County to prohibit a person under 12 years from operating a Class 1 or 2 e-bike, with a warning for the first 60 days following the adoption of the ordinance or resolution and a $25 fine thereafter. Parents or guardians will be jointly liable for the fine. The State requires the County to report how many riders were detained for violations and the results of each detainment. Similarly, AB 1778 allows local authorities within Marin County to prohibit youth under 16 from operating Class 2 e-bikes and to require the use of helmets for all Class 2 e-bike riders, with a warning for the first 60 days following adoption of an ordinance or resolution and a $25 fine thereafter. Peace officer actions on traffic stops for violations will be again studied—how many underage youths were stopped and the results of that action. Both pilot programs end on January 1, 2029. The State Legislature is reportedly waiting for the outcomes of these two programs before entertaining more restrictive e-bike laws at the state level.

Santa Barbara E-bike Law

The City of Santa Barbara has only recently finalized an ordinance with guidance on e-bikes. The City's 2016 Bicycle Master Plan made no mention of e-bikes. It emphasized the "safety of all road users" as its first goal. Likewise, the City's 2018 Vision Zero plan "to eliminate all severe and fatal transportation-related collisions on City streets by 2030" did not refer to e-bikes. However, the proliferation of e-bikes after the COVID-19 pandemic and the concomitant rise in e-bike related injuries since 2019 necessitated an overdue review of street safety with e-bikes in mind.

Many citizens have voiced support for e-bikes as well as criticism of them. The Santa Barbara City Council has often been caught in the middle. The City Council, with its support of clean air and green alternatives to motor traffic, as seen in its 2024 Climate Action Plan, had been reluctant to create anti-e-bike rules. Yet when the closing of State Street to motor traffic in 2020 allowed an explosion of e-bikes on the pedestrian mall, the e-bike traffic brought on increasingly insistent calls for local e-bike regulations.

[3] See Cal. Vehicle Code section 21214.5 and section 21214.7.

In October 2024, the City's Ordinance Committee considered stricter local regulations on unsafe e-bike riding. Some were inspired by more punitive laws enacted by the City of Huntington Beach, another beachside city with e-bike problems. Following the Ordinance Committee's October meeting, a few of the proposed elements of the ordinance were sent back for restructuring. In February 2025, the City Council approved a final version of the ordinance that made unsafe riding, as now defined in the municipal code, punishable by administrative fines. The City of Santa Barbara is now at a decisive point in determining how strictly to enforce its new rules.

METHODOLOGY

After initial deliberation on the scope of the e-bike issue in Santa Barbara County, the 2024-25 Santa Barbara County Grand Jury (Jury) decided to focus on the City of Santa Barbara, where unsafe e-bike riding had become a public concern and a contested issue. The Jury based this report on the following:

- Data on serious e-bike injuries and e-bike-involved accidents from Santa Barbara Cottage Hospital and the Santa Barbara Police Department
- Local social media postings, articles from local news outlets, and publications on state and national e-bike use, accident, injury, and legislative trends
- Pedestrian survey of State Street and other areas of active e-bike use, noting rider behavior and law enforcement presence
- Observations of Santa Barbara City Council meetings

The Jury also gathered information from interviews with the following:

- Santa Barbara City Council members and City staff members
- Local law enforcement officers
- Local school officials
- Members of the California State Legislature and officers of California Highway Patrol
- Directors of local bike advocacy organizations and local e-bike store owners

DISCUSSION

After years of declining retail business, the COVID-19 pandemic led to discussions about substantial change in downtown Santa Barbara. The outcome was to close State Street to automobile traffic and have a pedestrian promenade. Once the isolationism of the pandemic ended, traffic came back, but in the form of pedestrians, pedal bikes, and e-bikes, not cars. This brought new problems, even dangers, with no immediate solutions. E-bikes were often the target for citizen frustrations with calls for more public safety regulations. There have been numerous serious crashes involving e-bikes in Santa Barbara, providing validation for public complaints. The Santa

Barbara City Council was slow to react, as it wanted to maintain its identity as a pro-bike city, to encourage young people to be active outdoors, and to promote a friendly, healthy atmosphere. In the winter of 2024-2025, public complaints compelled the City to take definitive action to restore public safety on the streets.

E-Bike Injuries

Nationwide, as e-bikes have become more popular for personal transportation and leisure activities, emergency departments (EDs) have been attending to an increase in injuries. These commonly include head and traumatic brain injuries, broken bones, back and spinal issues, and garden variety cuts and bruises. A 2023 report by the U.S. Consumer Product Safety Commission (CPSC), "Micromobility Products-Related Deaths, Injuries, and Hazard Patterns," showed that injuries associated with e-bikes have trended upward significantly in recent years, increasing from an estimated 3,500 ED-treated injuries in 2017 to over 24,000 in 2022.[4] Fractures, followed by contusions/abrasions, were the two most common injuries. The most frequently injured body areas are the upper and lower limbs, as well as the head and neck. The CPSC also documented a dramatic national increase in fatalities associated with e-bikes over the same time period, reporting zero e-bike-related deaths in 2017, yet a sharp rise to 42 deaths by 2022.

Similarly, research published in *JAMA Network Open* shows that e-bike injuries in the U.S. increased by 30 times from 2017 to 2022, and hospitalizations rose by 43 times.[5] During that 5-year period, there were more than 45,000 visits to emergency rooms stemming from e-bike injuries, and more than 5,000 hospitalizations. The head injury findings among e-bike riders were the most striking, particularly amid the decline in helmet usage.

Locally, on October 29, 2024, the Santa Barbara City Council brought to light a study by the National Traffic Safety Administration, which found that of 105 cities of similar size in California, Santa Barbara ranked #1 in bicycle crash victims (83) in 2021, and #1 in 2020 with 76 bicycle crash victims. In comparison, for total road injuries and fatalities, Santa Barbara ranked 15th and 30th respectively in similarly sized California cities. These shocking statistics were highlighted when the City Council was considering an action plan to prevent traffic-related injuries and fatalities. This study, however, did not differentiate bicycle accidents from e-bike accidents. Nonetheless, the statistics for bicycle victims validated the public's concern over e-bikes.

This report came on the heels of an October 16, 2024, Santa Barbara City Council meeting, in which the Santa Barbara Police Department announced that there had been 80 collisions involving

[4] James Tark, *Micromobility Products-Related Deaths, Injuries, and Hazard Patterns: 2017–2021* U.S. Consumer Product Safety Commission, 2022. https://www.cpsc.gov/content/Micromobility-Products-Related-Deaths-Injuries-and-Hazard-Patterns-2017-2021

[5] Adrian N. Fernandez, et al., "Injuries with Electric vs Conventional Scooters and Bicycles," *JAMA Network Open* 7, no. 7 (2024): e2424131. https://doi.org/10.1001/jamanetworkopen.2024.24131

e-bikes so far that year (with the e-bike riders at fault 48 times), compared to 73 in all of 2023 and only 10 in 2022. The Jury later learned that the Police Department only counts collisions when there is damage to a car because of insurance reports or when someone goes to the hospital. Thus, the number of accidents involving bikes and e-bikes reported could be only a small percentage of those that actually occur. It should also be noted that e-bike involvement specifically is now on traffic accident forms, but not on traffic citation forms, which are set by the State. Again, e-bike traffic statistics are thus underreported as they are not counted if there is no official accident report.

Santa Barbara Cottage Hospital disclosed statistics to the Jury for e-bike crash victims with injuries severe enough to be taken to the Santa Barbara Cottage Emergency Department. Over a two-year period, there was a significant number of e-bike-related trauma cases arriving at the emergency room.

Between October 2022 and October 2024, 84 patients were seen after e-bike injuries. The causes of the injuries were classified by the hospital and are shown below in Table 1.

Table 1: Causes of Injuries	
Non-collision transport nontraffic accident	24
Non-collision transport traffic accident	15
Collision with car/truck/van nontraffic accident	6
Collision with stationary object nontraffic accident	5
Collision with stationary object traffic accident	3
Collision with non-motor vehicle traffic accident	1
Collision with pedal cycle nontraffic accident	2
Collision with pedestrian/animal nontraffic accident	1

The age ranges of the patients are shown below in Table 2.

Table 2: Age Ranges of Patients	
0-10	0
11-20	**40**
21-30	11
31-40	12
41-50	3
51-60	9
61-70	8
>70	1

Almost all of the injured were the operators of the e-bike; four were passengers.

These figures demonstrate a significant public health problem. A count of 84 patients over a two-year period suggests that nearly one patient per week suffered serious injuries. The age of the patients peaked in the 11-20 age group (40 patients), indicating that the teen-aged population is at greatest risk of injury. The remainder of injuries occurred relatively evenly in older age groups, including in nine individuals over 60 years old.

The types of injuries at Cottage Hospital were also serious. While orthopedic injuries were most common (24), 19 patients also suffered head and neck injuries, four had chest injuries, and two had major vascular injuries. Cottage Hospital did not report any deaths over this time-period.

The Santa Barbara Police Department also provided statistics to the Jury for recent accidents involving e-bikes. Between the dates of January 25, 2022, and August 24, 2024, there was a total of 163 e-bike related incidents, of which 85 were sent to the hospital. Of these 163 incidents, the e-bike rider was at fault just over 52% of the time. The Department also noted the type of vehicle involved, with passenger cars the most frequent. Regarding end-of-year data, the rapid increase in incidents should be noted:

- 6 out of 10 e-bike riders involved in collisions were at fault in 2022
- 32 out of 73 e-bike riders involved in collisions were at fault in 2023
- 71 out of 107 e-bike riders involved in collisions were at fault in 2024

When the data from both local sources is combined, it is clear that e-bike injuries are common and that these injuries are frequently serious and life-threatening. In fact, the City of Santa Barbara experienced its first e-bike-related fatality in May 2025. Along with this increase in related injuries come assorted legal concerns regarding liability. Without helmets or insurance, e-bike accidents on city streets might come at a public cost for medical treatment. Additionally, pedestrians involved in accidents may not have liability insurance. This possibly threatening liability issue has not been publicly discussed by the City Council.

Santa Barbara City Council

Santa Barbara has long held clean air as one of its priorities. This dedication to the environment has been apparent in the City's financial support to increase the use of alternative means of transportation and create a master plan for bikes throughout town. E-bikes are considered a more environmentally friendly mode of transportation. Furthermore, at a time when the City is hoping to convert underused buildings downtown to housing without adding more parking lots, no parking structures are required for e-bikes. These factors favor e-bikes in city planning. However, citizen complaints against unruly e-bike traffic redirected City Council discussion from long-range planning to more immediate action for street safety.

City Ordinances

After State Street closed to vehicle traffic, the close contact between pedestrians, bikes, and e-bikes got to the point that members of the public felt endangered. In reaction, City Council moved to curb unsafe behavior on bikes in Emergency Ordinance 5944 in March 2023. While defining a closed State Street, the City Council pointedly authorized rules for bikes, stating:

> It is contrary to public safety and thus unlawful to use a bicycle, electric bicycle, or similar device in motion upon the ground or pavement within the State Street Promenade in a willful or wanton disregard for the safety of persons or property or in a manner which endangers the safety of persons or property.

The State Street regulations included yielding the right-of-way to pedestrians, no exhibitions of speed, no passengers other than on an attached separate seat, a helmet if under 18, adequate brakes to counter the higher speed and weight of an e-bike, and a lamp and reflectors for night-time use. These laws were basic safety measures for all bikes.

By 2024, just having bike safety rules was not adequate to match the exuberant e-bike activity on State Street and elsewhere, and complaints from citizens put pressure on the City Council to enact an additional ordinance specifically written for e-bikes and certain "bad actors." In the October 15 Ordinance Committee meeting, the report from the City Attorney's Office and Santa Barbara Police Department acknowledged that the previous emergency ordinance had not specifically defined e-bikes, nor had it provided ways to address violations of the safety rules. The proposed amendment to Chapter 10.52 of the Municipal Code regulations stated that enforcement would be done through administrative citations and not Traffic Court citations that would permanently stay on the rider's record. Administrative fines were proposed starting at $100 for the first offense, rising to $200 for the second, and up to $500 for three offenses in one year.

The recommended 2024 regulations against unsafe e-bike behavior specifically included:

- Do not perform "any acrobatics, tricks, wheelies, or stunts on a public street [or] public right of way"
- Use bike lanes or ride close to the correct curb
- Ride in a single file

Riders were again required to yield to all pedestrians, wear a helmet if under 18, use reflectors, have brakes strong enough to stop the e-bike, and not ride on the sidewalk, as stated in the original Ordinance 5944. For enforcement, the report recommended following the Huntington Beach-inspired initiatives of allowing police officers to impound a juvenile's bike or e-bike. A parent would have to retrieve it, thus creating a conversation between the family and law enforcement. Importantly, the proposed ordinance was applied to the entire city of Santa Barbara, not just State Street. Public speakers at the October 15 Ordinance Committee meeting voiced various reactions.

Some of the strong new rules engendered debate, and the proposals were sent back for further review and revision.

At the February 25, 2025, City Council meeting, some revisions to the more punitive elements of the ordinance proposed in October were made. Most notably, attending a Youth Diversion Program with the Council on Alcoholism and Drug Abuse (CADA) for juvenile offenders was offered in place of impounding the bike or e-bike. If a citation was given to the juvenile, attending a two-hour course, ending with a test that would award a certificate, could eliminate the citation and fees. If the class is refused, the youth and the parents would be responsible for the administrative fines. If bad behavior continued, the juvenile would go to Teen Court. But e-bikes still would not be confiscated. (The newer, faster "pocket bikes" are illegal on streets and will be impounded on all occasions.) Adults who contravene the ordinance would continue to receive an administrative citation, not a vehicle code ticket. This way, there are no points on one's driving record, and for juveniles, application for a driver's license would not be impeded.

Other sections were also modified in the ordinance adopted in February 2025. The definition of unsafe behavior depended on if pedestrians or vehicles were "in close proximity." Whether to issue a citation or not depended on the peace officer's discretion, according to at what point the behavior became dangerous. When it came to riding on sidewalks under certain conditions, the City Council felt that this ordinance needed clear boundaries, and e-bikes remained prohibited from sidewalks.

After years of delay, the Santa Barbara City Council enacted this e-bike ordinance in response to calls for action. How it is enforced will make a difference in how it will be recognized and obeyed.

Law Enforcement (Santa Barbara Police Department)

The Santa Barbara Police Department welcomed the ordinance on e-bikes. It gave them the tools to do their job by giving them laws by which to administratively cite offenders. The ordinance came into effect on April 4, 2025.

In the past, the Santa Barbara Police Department had written few citations, especially with juveniles. There were several reasons suggested for this:

- The Police Department is understaffed
- Peace Officers would be working overtime if they added e-bike surveillance to their main duty of fighting crime
- Peace officers and City officials alike do not want a youth's first encounter with the law be a citation
- Peace officers do not recommend chasing after youths on bikes as it could be dangerous

In the month following May 4, enforcement of the new ordinance was moderate and multi-faceted. Ten officers over the course of several days came into contact with bike riders. While the officers

spoke with 70 people, a total of 13 juveniles were issued citations related to the new ordinance. Two juveniles on illegal, high-speed electric dirt bikes had their bikes impounded. Peace officers also contacted several parents. The Department also initiated education through some social and news media posts during these days of direct patrols.

When officers incorporate bike and e-bike watches into their patrols on a regular basis, the new e-bike ordinance will have an impact on the Police Department. Officers may have to work overtime, but there will be no additional funding for overtime, nor for new hires for the additional duties. The Santa Barbara Police Department will instead need to move resources around: people, shifts, and money. This includes having officers strategically placed around schools early in the morning and mid-afternoon, as well as around popular riding areas downtown or on the beach pathways. People often do not see the officers and do not know they are there. Higher visibility of officers will be critical to taming unsafe behavior on e-bikes.

The Santa Barbara Police Department, like many law enforcement agencies in the nation, has had to deal with shortages of police officers in keeping the law. Priorities will always first be for hard crimes, not bike-riding violations. Santa Barbara does have a bike patrol. Ironically, they have not been and will not be assigned to catching e-bike riders who ignore stop signs, ride on sidewalks, speed, or endanger pedestrians, especially if the offenders are young juveniles. Bike Patrol officers do give warnings, but they have not issued and do not currently plan to issue citations. This maintains the community-friendly image of the Bike Patrol.

In the past, there have been few consequences for those e-bike riders creating dangerous conditions on local roads and sidewalks. In addition, the Jury heard from several branches of local government that when the financial burden imposed by an administrative fine is modest, it can fail to make a significant impact. The main goal of the Police Department is to change behavior, not collect fees. Further, the new arrangement for a youth diversion program also minimizes the weight of a citation, as it can easily be erased by a class.

In contrast, police officers in the City of Huntington Beach dedicate two hours of their shift to keep an eye on e-bikes and make sure the riders follow the rules. They have the discretion to issue a civil citation or an infraction with a ticket. For juveniles, the Huntington Beach police officers can impound the e-bike. It is not known at this point if this added police work is making a difference in e-bike safety in that city, but additional cities in Orange County are now in agreement and enacting similar laws. Moreover, because of a sharp increase in e-bike-related injuries and emergency room visits since 2020, the Orange County government enacted laws that came into effect in April 2025 governing speeding and unsafe behavior on e-bikes in unincorporated areas, hoping to additionally encourage consistent e-bike rules among all cities in the county.

The underlying force of all safety rules is accountability. If riders of bikes or e-bikes face no consequences for their reckless or too relaxed behavior, there will no doubt be limited adherence to rules of the road, old or new. And this could only increase cases of injuries or even fatalities. The 2018 Santa Barbara Vision Zero Plan addressed this issue straight on:

> Without enforcement, traffic laws…cannot be expected to reduce traffic fatalities or serious injuries. If traffic laws are not enforced, *or are perceived as not being enforced,* compliance is less likely. Effective enforcement includes establishing, regular updating, and enforcing laws that address collision risk factors. Locations where repeated collisions occur can indicate where robust enforcement is needed. (Emphasis added.)

Schools in Santa Barbara

School districts in the Santa Barbara County area have seen an increase in usage of e-bikes to get to school by students in junior high and high school. Outside each of the three public high schools in the Santa Barbara Unified School District, the Jury observed over 100 e-bikes parked, and almost as many outside junior high schools. E-bikes have allowed parents a break from the daily school commute.

It has been estimated that about 10% of students ride their e-bikes to school. The Santa Barbara Unified School District is concerned about student safety—once they arrive at school. At some of these schools, bike racks have been purposely placed at the periphery of school grounds in attempts to minimize the use of e-bikes in more central parts of campus. How students are getting to school has not been a major concern for school administration. Programs to provide information on e-bike safety have not been required. School-wide presentations—mainly at elementary and junior high schools—take place, but these are initiated by the Police Department; they are not a District promotion. No District funding is currently being specifically allocated for e-bike education.

In the past, there has been no consistent approach to e-bike instruction in the Santa Barbara Unified School District. In contrast, the Huntington Beach Union High School District has a 20-minute e-bike safety video on its website, and students must apply for a school permit before they are allowed to ride their e-bikes to school.

Under California law, rules of the road for e-bikes exist as they do for cars: ride with the flow of traffic; stop at stop signs; obey speed limits; etc. For young riders who have not yet taken a driving test, these rules are not ingrained and sometimes not even known. The Jury learned that not all parents know them either, or they are not aware that these rules apply to young e-bike riders.

A local cycling advocacy group that provides bike education has expanded its focus of attention from bike riding training in elementary schools to include e-bike safety training in junior high and

high schools. Not only do they emphasize traffic rules, but they now also address behavioral issues. It was suggested that such courses include videos of e-bike accidents, much like the crumpled cars that are shown to high school students prior to proms and graduation. This would highlight the danger of reckless riding. The Santa Barbara Police Department has recently begun to coordinate with bike advocacy groups to educate students on topics of e-bike safety.

Most complaints about e-bikes on social media and in public meetings focus on juveniles, including youths utilizing e-bikes for unlawful activities after school such as harassing and intimidating local residents or car drivers. Frequent complaints have been posted on local social media by residents who report damage to property and threats to their person. However, the Santa Barbara Police Department has recently expanded its efforts to more regularly educate students at local elementary and junior high schools, which the Jury believes will have positive and lasting effects.

Public Education

The City of Goleta organized an E-Bike Week in January 2025 and cooperated with two nearby high schools and one junior high for presentations. Working with the California Highway Patrol, the Goleta Police Department, Goleta Valley Cottage Hospital, and a bike advocacy group, the City of Goleta gave safety presentations and distributed helmets and protective equipment at the schools. This came one year after the Santa Barbara Association of Governments (SBCAG) held a similar e-bike safety awareness day in downtown Santa Barbara. These entities and organizations saw the need to educate students and the public of all ages about e-bikes.

The City of Santa Barbara has considered a significant e-bike awareness campaign. Although limited media outreach began, a comprehensive public awareness campaign has not been implemented. After enacting the new ordinance, the entire community will need to be informed about the revised expectations for e-bike riders. With collaboration among City officials, law enforcement agencies, and school administrators, the City of Santa Barbara could stage a powerful education campaign. Bike shops would willingly participate, according to officials and shop owners. But as one bike advocate said, someone has to say, “Make this happen.”

In 2018, the City of Santa Barbara adopted a Vision Zero Strategy to eliminate severe and fatal traffic accidents. The prologue to the Vision Zero program compared the current need for a different approach to traffic safety to the introduction of seat belt requirement laws in the 1980s. People were slow to adapt to the new laws that were more constraining, even if it meant saving lives. The Vision Zero statement credits stronger laws, enforcement, and automobile design changes in addition to education for increases in public acceptance of seat belts. It took years to see meaningful changes in behavior. With increases in public awareness, people accepted wearing a seat belt as part of driving safely. Seat belts have saved lives. Santa Barbara could benefit from

the same all-around approach in order to prevent inevitable crashes and injuries for e-bike riders in the future.

The two California counties that instituted stricter laws for young people on e-bikes, Marin County and San Diego County, were mandated by the state to administer a public information campaign for at least 30 days prior to the enactment of their ordinances or resolutions, including "public announcements in major media outlets and press releases."[6] The City of Santa Barbara should do no less.

CONCLUSION

Riding e-bikes has resulted in many serious injuries in Santa Barbara, particularly among riders 20 years and younger. Santa Barbara experienced its first e-bike-related fatality in May 2025. In February 2025, the City Council enacted a new e-bike ordinance to cut down on certain unsafe riding behaviors, and the Santa Barbara Police Department is rolling out enforcement. It remains to be seen if more robust actions need to be taken to assure compliance with the new laws and more publicity to make an impact on public awareness.

FINDINGS AND RECOMMENDATIONS

Finding 1: Since the City of Santa Barbara's adoption of the new e-bike ordinance, Santa Barbara Police Department officers now have broad discretion in responding to unsafe behavior by e-bike riders, but, as a general principle, behavioral change requires a strategic and consistent approach.

Recommendation 1a: The Grand Jury recommends that the Santa Barbara City Council encourage the Santa Barbara Police Department to establish a plan to strategically and consistently focus enforcement efforts in high-traffic areas so as to achieve high visibility and have the greatest impact on behavior in enforcement operations. To be implemented by December 1, 2025.

Recommendation 1b: The Grand Jury recommends that the Santa Barbara City Council require the Santa Barbara Police Department to give the Council monthly reports on the number and severity of e-bike-involved accidents in the City of Santa Barbara, as well as the number of citations issued. To be implemented by December 1, 2025.

Recommendation 1c: The Grand Jury recommends that the Santa Barbara City Council make available to the public these monthly reports on the number and severity of e-bike-involved

[6] See Cal. Vehicle Code section 21214.5, subdivision (f), and section 21214.7, subdivision (e).

accidents in the City of Santa Barbara, as well as the number of citations issued. To be implemented by December 1, 2025.

Finding 2: The Santa Barbara City Council has tasked the Police Department and its officers with additional responsibilities related to enforcement of the new e-bike ordinance but has not provided additional funding to support those purposes.

Recommendation 2: The Grand Jury recommends that the Santa Barbara City Council conduct a study to determine how much new funding for this additional police work is needed. To be completed by April 1, 2026.

Finding 3: The City of Santa Barbara has initiated only a limited public information campaign about the new e-bike ordinance now in effect, thus limiting awareness of the ordinance.

Recommendation 3a: The Grand Jury recommends that the Santa Barbara City Council initiate an expanded and long-term public information campaign to inform and educate the public about the City's new e-bike rules. To be implemented by December 1, 2025.

Recommendation 3b: The Grand Jury recommends that the Santa Barbara City Council invite the cooperation and participation of secondary schools in the Santa Barbara Unified School District, private organizations that are involved in e-bike education, neighboring cities including Goleta, and local businesses for expanded public outreach on e-bike safety and laws now in effect.

Finding 4: The Santa Barbara Police Department has recently expanded its outreach in Santa Barbara Unified School District to instruct students in e-bike safety and laws, which is a positive development.

This report was issued by the Grand Jury with the exception of a Grand Juror who wanted to avoid the perception of a conflict of interest. That Grand Juror was excluded from all parts of the investigation, including interviews, deliberations, and the writing and approval of this report.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree

- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

City of Santa Barbara – 90 days

Findings 1, 2, 3, 4

Recommendations 1a, 1b, 1c, 2, 3a, 3b

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UNPERMITTED STREET FOOD VENDORS IN SANTA BARBARA COUNTY



FILED JUNE 26, 2025

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UNPERMITTED STREET FOOD VENDORS IN SANTA BARBARA COUNTY

SUMMARY

Food vendors in Santa Barbara County are required to follow food safety laws to ensure the safety of their products. In recent years, however, the presence of unpermitted street food vendors—push carts, food trucks, and tented restaurants—operating in Santa Barbara County has become widespread. Their unprecedented growth threatens not only the economic vitality of permitted restaurants and food trucks in the region, but, most importantly, the health of customers from sales of food prepared under potentially unsanitary conditions.

The 2024-25 Santa Barbara County Grand Jury (Jury) has found that the County has not been able to effectively enforce permitting requirements or routinely inspect mobile food vendors in Santa Barbara County, as the mobile nature of such food vendors poses barriers to effective enforcement and inspection on several fronts. The Jury recommends that the County allocate funds to hire inspectors sufficient in number to enforce existing food safety laws, and also that law enforcement work closely with inspection personnel to safeguard in-person enforcement and inspection efforts. To protect the public from food-borne illnesses and other harms posed by unpermitted food vendors, the County must meet the challenge with more effective enforcement strategies.

BACKGROUND

Food Safety

Food safety is an important public health priority. Disease transmission from unsafe food is a common cause of illness, which may range from temporary gastrointestinal distress to severe illness causing hospitalizations and deaths. The Centers for Disease Control and Prevention (CDC) has noted that every year, one in six people in the United States gets sick from food-borne illnesses.[1] Nationally, reported food-borne hospital admissions and deaths more than doubled from 2023 to 2024. This increase was mainly due to outbreaks of *Listeria*, *Salmonella*, and *Escherichia coli*.[2] There has also been a dramatic increase of norovirus infections, which are frequently associated with unsafe food handling.[3] It is important to realize that reported numbers are probably

[1] "About Restaurant Food Safety." *Centers for Disease Control and Prevention*. Published March 7, 2024. https://www.cdc.gov/restaurant-food-safety/about/index.html

[2] Harrison, Christopher J. "Expect Increases in Foodborne Illness." *MedScape*. Published May 2, 2025. https://www.medscape.com/viewarticle/expect-increases-foodborne-illness-2025a1000a76

[3] "NoroSTAT Data." *Centers for Disease Control and Prevention*. Published May 20, 2025. https://www.cdc.gov/norovirus/php/reporting/norostat-data.html

huge underestimates of the actual food-borne illness burden (an estimated 48 million illnesses) because most people do not seek medical care and, thus, the illness is not reported. One estimate is that only one in thirty actual cases is reported. Among the 10 million food-borne illnesses or so that are reported annually, 128,000 require hospitalization and 3,000 are fatal.[4]

For example, there was an incident of widespread food poisoning that occurred in Maricopa County, Arizona, in August 2024. A total of 17 patrons purchasing food from a group of unpermitted street vendors subsequently experienced diarrhea and vomiting. Upon investigation, the Maricopa County Environmental Services Department found that these vendors had no handwashing stations on site, were mixing raw meat with cooked meat, and were storing food in garbage bags.[5] Another major food poisoning incident due to food from a food truck was reported in Kirkland, Washington, in September 2023. In total, 34 people got sick from food-borne bacteria.[6]

In Santa Barbara County, data are not currently collected on how often disease transmission from food vendors occurs. However, the proliferation of unpermitted food vendors potentially puts the patrons of these vendors at risk of contracting food-borne illnesses.

Laws Governing Food Safety

To protect citizens from food-borne illnesses, California food safety laws specify requirements for safe storage, labeling, handling, and disposal of food for restaurants, as well as for food carts and food trucks.[7] The conditions outlined in the California Retail Food Code must be met to obtain a health permit, which must be displayed and clearly visible to customers. Inspections by local public health departments are guided by, but not limited to, the following basic food handling and facility requirements for vendors that prepare food:

- store perishable and cooked foods at defined temperatures (below 41°F for cold food storage and above 135°F for hot items), which must be continually monitored
- be equipped with refrigeration for potentially hazardous foods
- have easily cleanable surfaces
- have facilities for the sanitary disposal of liquid waste and garbage
- operate within 200 feet of an available toilet and handwashing facility for employees

[4] Harrison, "Expect Increases in Foodborne Illness."

[5] "Illness Reports Associated with Unpermitted Street Vendors" *Maricopa County Environmental Services Department.* Published August 26, 2024. https://www.maricopa.gov/CivicAlerts.aspx?AID=3085

[6] KOMO News Staff. "34 people contract stomach illness after eating from Kirkland taco truck." *KOMO News*. Published September 20, 2023. https://komonews.com/news/local/taco-truck-food-sick-illness-outbreak-kirkland-washington-el-guero-seattle-king-county-health-department-investigation-private-event-catering-catered-test-diarrhea-abdominal-cramping-nausea-inadequate-refrigeration-improper-cooling

[7] See sections 113700 through 114437 of Part 7 of Division 104 of the Cal. Health and Safety Code, known as the California Retail Food Code. Specifically, see Chapter 4 (sections 113980 through 114094.5) for general food safety requirements and Chapter 8 (sections 114250 through 114259.5) for physical facility requirements.

California state law requires county public health departments to ensure that food vendors are following lawful food safety practices. The Santa Barbara County Environmental Health Services Division (a division of the County of Santa Barbara Health Department) has been charged with permitting food vendors and with performing regular inspections to assure ongoing compliance with food safety standards. Cities in Santa Barbara County have agreements with County Health to enforce food safety laws within incorporated areas, meaning that the Environmental Health Services Division of County Health performs its services related to inspections and permitting in all areas of the County. Inspections of food carts and food trucks are expected to occur at least once per year, but more frequently if there was a prior violation or in response to a public complaint.

It is important to distinguish between "licensing" and "permitting." City municipalities issue business licenses for operation of food vendors and may issue citations and fines if vendors do not comply with licensing requirements. In unincorporated areas, this is the responsibility of the Santa Barbara County Tax Collector's Office. Food vendors that operate in unincorporated areas of the County must report sales tax on certain foods they sell. In contrast, permitting in relation to food safety requirements is enforced by County Health, which may penalize vendors who do not comply with standards. This Report focuses solely upon permitting and enforcement by the County, rather than licensing.

Vendors selling only pre-packaged, non-perishable items are exempt from some of the more stringent health and safety requirements, such as those related to food preparation and equipment. These vendors do not need a permit. However, food trucks and carts which sell prepared food, including cut fruit, juices, and meats, are not exempt from the more stringent food safety standards and are required by law to be permitted.

Individuals operating mobile food vending businesses are classified by state law as "food handlers" as they are "involved in the preparation, storage, or service of food in a food facility."[8] California law requires such individuals to obtain a food handlers card by taking an on-line course provided by the State. All food vendors are required by law to carry this card, and to present it upon demand.

Changes in State Law Governing Food Vending

Two bills passed within the last seven years by the California State Legislature, intended to protect small business owners operating mobile vending businesses, have transformed how local authorities can interact with mobile food vendors.

Senate Bill 946 was signed into law in 2018 and added Chapter 6.2 to Part 1 of Division 1 of Title 5 of the California Government Code. It limited what time, place, and manner restrictions a local authority could impose on sidewalk vendors of food or merchandise, and also restricted local

[8] See California Retail Food Code section 113790.

authorities' ability to penalize sidewalk vendors who violate local vending rules. Activity that could once have been classified as an infraction- or misdemeanor-level offense at the local level can now only be punished with administrative citations. As a result of this, enforcement against the owners of the mobile food carts has become more difficult. The inability for local authorities to promulgate local requirements with infraction- or misdemeanor-level punishments has allowed cart vendors to disregard requirements for permitting even in violation. It is important to note that SB 946 did not affect the applicability of food safety laws to food vendors or affect the County's ability to enforce health permitting requirements.

However, Senate Bill 972, which was signed into law in 2022, decriminalized the California Retail Food Code for sidewalk vendors and operators and employees of compact mobile food facilities who perform limited food preparation.[9] Food safety law violations in these contexts, including permit violations, are only punishable by administrative citations. Still, the bill did not exempt mobile food vendors who perform even limited food preparation from needing county health permits. Despite this, only two food cart vendors in Santa Barbara County have ever applied for permits from County Health as of March 2025.

Additional Problems Surrounding Unpermitted Food Vendors

Although this Report focuses solely on permitting and enforcement of food safety laws in Santa Barbara County, the Jury also notes that there are other troubling issues associated with unpermitted mobile food vendors. The Jury has observed that unpermitted mobile food vendors have been unfairly and illegally competing against properly permitted area restaurants and food trucks, as they do not pay County permitting fees. Additionally, illegal dumping of grease and other waste, violations of local fire codes, and traffic- and parking-related violations were identified as additional concerns during the Jury's investigation.

METHODOLOGY

In developing this Report, the Jury employed the following methods of investigation:

- Interviews with officials from County Health
- Interviews with officials from the cities of Santa Barbara and Solvang
- Interviews with officials from the Santa Barbara County Fire Department
- Interviews with officials from the University of California, Santa Barbara
- Review of documentation provided by County Health
- Research regarding California state laws governing retail food sales
- Visits to 25 food carts and trucks in various neighborhoods throughout Santa Barbara County, including in the cities of Santa Barbara, Goleta, Lompoc, and Santa Maria

[9] For the full definition of "limited food preparation," see California Retail Food Code section 113818.

DISCUSSION

The proliferation of open-air, mobile food vending has surged to unprecedented levels throughout Santa Barbara County in recent years. These food vending operations include roadside "tent" restaurants that in some cases provide sit-down accommodations, food trucks parked on streets, and sidewalk pushcarts that pervade both commercial and residential areas of the County.

Unpermitted food vending—particularly by pushcarts—has become so commonplace that County Health no longer has the resources to effectively enforce existing requirements. The following sections of this report detail the Jury's observations about permitting, inspections, and barriers to effective enforcement of existing food safety laws with regard to mobile food vendors.

Food Safety

The Jury finds that public health is jeopardized by sales of potentially hazardous foods by unpermitted food vendors. As discussed above, food safety involving prepared foods encompasses an extensive number of requirements: the temperatures of cold or hot foods must be maintained and monitored; handwashing facilities must be available in close proximity; food handling certification must be obtained; pests must be controlled and kept away from food; work surfaces and utensils must be properly sanitized.

Members of the Jury visited local mobile food trucks and carts. During direct observation in various locations around Santa Barbara County, Grand Jurors noted numerous violations of food safety laws and ordinances, which included the following:

- There were health inspection permits posted as required for only six of 14 food trucks and zero of 11 food carts observed
- When asked, vendors could show food handler cards on only six of 14 food trucks, and zero of 11 food carts queried
- Zero of 11 food carts had nearby access to handwashing facilities
- Food carts and trucks were both frequently in locations without proximity to restrooms
- Food on food carts included cut fruit and prepared juices that were not stored in a temperature-controlled environment
- Food on food carts sometimes included cooked meat stored in Styrofoam containers that were not temperature-controlled

There is improper and unsanitary handling of food prepared for sale throughout Santa Barbara County by unpermitted vendors. The fact that handwashing facilities are not co-located with food carts that prepare food creates a risk of serious food-borne illness incidents. Without strict enforcement of County health and food safety codes, outbreaks could easily occur.

Enforcement Barriers

The enactment of SB 946 and SB 972 has encouraged a proliferation of sidewalk food sales to the point where the Environmental Health Services Division of County Health lacks sufficient personnel to effectively provide enforcement of food handling or environmental health codes with the numbers of trucks and carts currently in local operation. The County currently employs just three full-time inspectors and one part-time inspector.

The administrative citations that resulted from SB 946 and SB 972 have not proven to be effective enforcement tools against food safety violations by mobile food vendors. In many cases, workers refuse or are unable to identify the owner or the person to whom a citation should be issued. They may also refuse to sign a civil citation. Thus, when individual vendors receive a citation, there is no one to be held responsible, especially since many food trucks and carts come up from the Los Angeles area into Santa Barbara County. As a result, citations are often not issued, and when they are, their remediating effects are minimal.

An additional drawback of this limited enforcement regime is that the financial burden imposed by the fines is so low that they fail to serve as a deterrent. As mandated by the State, a first-time violation of the California Retail Food Code or any provision adopted pursuant to it requires issuance of a warning to the street vendor; a fine for a second violation cannot exceed $100 if the violation occurs within one year of the first violation; a fine for a third violation cannot exceed $200 if it occurs within one year of the first violation; and a fine for a fourth violation and any subsequent violations that occur within a year of the first violation cannot exceed $500.[10] When inspectors have issued citations, the trucks or carts have sometimes simply changed location. Few vendors pay fines or appear in court. The minimal penalties for non-permitted operations and the disregard for food safety laws have enabled mobile vendors to operate with few consequences.

Of equal concern is the fact that it has been difficult for inspectors from the Environmental Health Services Division to approach mobile food vendors due to harassment and intimidation by customers. County inspectors have asked for the presence of law enforcement, and have frequently been accompanied in the City of Santa Barbara by police officers, but are less frequently accompanied by law enforcement in other parts of the County. Ironically, non-permitted food vendors have received unintended validation as local law enforcement personnel have been observed patronizing these vendors.

The lack of effective enforcement is further complicated by the transient nature of many mobile food vendors. While some mobile food vendors operate in established/preferred locations, many move around frequently, making it difficult for any local authority to consistently locate them. Currently, the County does not have a tip line for reporting unpermitted mobile food vendors, nor

[10] See California Retail Food Code section 114368.8.

is there clear information regarding how the public can report unpermitted food vendors on relevant County websites.

Enforcement Strategies

During the summers of 2023 and 2024, the City of Santa Barbara and County Health formed "vendor enforcement teams," which, in addition to health inspectors, included interpreters, personnel from the City's Fire Department, and officers from the Santa Barbara Police Department. They first targeted large "pop-up" restaurants utilizing open-flame devices for cooking, which is a violation of the municipal fire code punishable by more serious charges. While several enforcement actions took place in 2023, resulting in the shutdown of many unpermitted sidewalk restaurants, lack of staffing and impersistent enforcement enabled the violators to soon reappear elsewhere in the city and resume operations.

At the County level, enforcing health codes and performing inspections has been beyond the current capabilities of County Health alone. Creating a task force composed of multiple agencies was proposed as a solution at both a Santa Barbara County Association of Governments (SBCAG) meeting in October 2024 and, later, at a County Board of Supervisors meeting in March 2025. The presence of law enforcement and fire personnel was considered critical, and in working together, they could combine the strengths of each agency to be more effective against unpermitted vendors.

At the Board of Supervisors meeting in March 2025, it was reported that since January 2025, the inspectors from the Environmental Health Services Division had been conducting inspections on weekends and after hours, when mobile vendors are most prevalent. This has incurred additional expenses due to overtime pay for inspectors. They issued 137 notices of violation between January and March for various food safety violations. They also seized food that was in "the danger zone," between 41 and 135 degrees. State law requires that confiscated food be kept for 30 days and kept in condition that it can be returned as it was received. However, the County has run out of refrigerated storage space for freezing seized foods. At this March meeting, the Board of Supervisors voted to adopt a more comprehensive approach to enforcement in the form of a multi-jurisdictional task force.

The Santa Barbara County vendor enforcement task force was partly inspired by on an ongoing 20-month pilot program in Ventura County begun in July 2024. Given a budget of $1.7 million, Ventura County created a team with a full-time coordinator and an additional nine full-time and part-time employees. With the help of law enforcement and fire personnel, the team made sweeps, confiscating unlawful trucks, carts, and equipment. Ventura County paid for the haulers and rented storage space for confiscated equipment.

While Ventura authorities were able to shut down some vendors, they typically came back, just as in Santa Barbara County. Yet impounding the carts or trucks did reduce their number in Ventura

County. At the beginning of their efforts, it was reported that in some well-known locations, the number of illicit trucks went from 30 to five. Vendors could only retrieve their equipment after paying fines and registering with local agencies for health permits and business licenses. The end results for Ventura's pilot program have not yet been released.

For Santa Barbara County, the new task force, based on its composition, will have the ability to enforce rules against unpermitted food vendors from the standpoints of County Health, Public Works, the Sheriff's Office, County Fire, and the District Attorney. The task force shall also include representatives from local cities as well as representatives from key stakeholders, such as Caltrans, the California Department of Fish and Wildlife, and the California Highway Patrol (CHP). To illustrate CHP's role, CHP officers have on occasion assisted inspectors who visit mobile food vendors that operate along Highways 154 and 246.

While the Board of Supervisors voted to create this task force, its initial impact may be limited by the absence of any additional funding to support the initiative. Each County agency involved in the task force was asked to reassign resources for the personnel and time needed to address the issue of unpermitted food vendors.

By adopting this means of multi-jurisdictional enforcement, the County is taking a proactive step to protect the community. However, more steps must be taken to ensure that persistent enforcement happens in all parts of the County where unpermitted food vendors pose risks to public health.

CONCLUSION

While their consequences may have been unintended, SB 946 and SB 972 triggered a surge in unpermitted food vending operations across Santa Barbara County, reaching a scale that now poses a threat to public health and safety.

The County—specifically, the County of Santa Barbara Health Department—is mandated to enforce food safety regulations through permitting and routine inspections of food vendors. However, significant enforcement gaps have emerged, leaving residents and visitors alike vulnerable to health risks posed by unpermitted mobile food vendors who prepare potentially hazardous foods. Among these vendors, there is widespread disregard and defiance of governmental regulations designed to protect public health.

With no foreseeable relief to come at the state level, local authorities must devise their own effective enforcement solutions. While multi-jurisdictional task forces show promising results, they must encompass the full range of appropriate agencies, and funding for inspectors who focus specifically on food safety violations must be prioritized.

FINDINGS AND RECOMMENDATIONS

Finding 1: County Health's ability to inspect mobile food vendors and enforce food safety regulations has been limited by the small number of inspection personnel currently employed in its Environmental Health Services Division.

Recommendation 1: The Grand Jury recommends that the Board of Supervisors provide County Health with sufficient funding to hire additional inspectors to facilitate more frequent inspections of mobile food vendors and to enforce compliance with existing food safety laws if violations are discovered. To be implemented by July 1, 2026.

Finding 2: There is no established process by which the public can report unpermitted mobile food vendors to County Health, thus making enforcement of food safety requirements more difficult.

Recommendation 2: The Grand Jury recommends that the Board of Supervisors direct County Health to establish a tip line for the public to report information about mobile food vendors who are not permitted. To be implemented by January 1, 2026.

Finding 3: County Health efforts to conduct inspections of mobile food vendors have been negatively impacted by safety concerns for inspection personnel.

Recommendation 3a: The Grand Jury recommends that the Santa Barbara County Sheriff's Office delegate deputies to accompany County Health inspectors so that the inspectors, with the support of law enforcement, can safely enforce permitting and inspecting in the unincorporated areas of Santa Barbara County and in incorporated areas where the Sheriff's Office is contracted to provide services. To be implemented by January 1, 2026.

Recommendation 3b: The Grand Jury recommends that the Board of Supervisors direct County Health to partner with municipal law enforcement agencies so that health inspectors, with the support of law enforcement, can safely enforce permitting and inspecting within incorporated municipalities. To be implemented by January 1, 2026.

Finding 4: Food trucks and carts are often not located in proximity to restroom or handwashing facilities for staff and customers as legally required, which poses a significant public health risk.

Recommendation 4: The Grand Jury recommends that the Board of Supervisors direct County Health to focus inspection and enforcement efforts on mobile food vendors who operate without proximity to appropriate restroom or handwashing facilities. To be implemented by January 1, 2026.

REQUEST FOR RESPONSE

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests that each entity or individual named below respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule
- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Board of Supervisors - 90 Days

Findings 1, 2, 3, 4
Recommendations 1, 2, 3a, 3b, 4

Santa Barbara County Sheriff's Office - 60 Days

Finding 3
Recommendation 3a

FEMALE INMATES AT SANTA BARBARA COUNTY JAILS



FILED JUNE, 27 2025

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FEMALE INMATES AT SANTA BARBARA COUNTY JAILS
Making Better Choices

SUMMARY

There are two distinct populations in Santa Barbara County's jails: male and female. The 2024-25 Santa Barbara County Grand Jury conducted an investigation into the living conditions for female inmates. As required by the Fourteenth Amendment of the Constitution of the United States, jail administration has the responsibility to ensure that female inmates receive the same consideration as male inmates.

Female inmates only make up approximately 10 to 11 percent of the daily average population at both of the County's jails, and the Jury finds that this results in certain disparities in conditions for male and female inmates. Even minor changes in living conditions could have a remediating effect on female inmates' physical and emotional welfare, extending beyond the jail.

BACKGROUND

The Santa Barbara County Grand Jury (Jury) has a mandate under California Penal Code §919(b) to inspect the local prisons and jails. Almost yearly, the Jury has written a report describing the conditions and management in the County's jails, as well as in the municipal detention facilities that operated until recently. These past reports have played a role in urging the Santa Barbara County Board of Supervisors to build a new jail in North County, to make repairs, and to change practices for better efficiency. This year, the Jury looked at the jails from the perspectives of the female inmates.

In 2024, the average daily female population at the South Branch Jail (Main Jail) was 49 (12 percent of total inmates) and 37 (10-11 percent of total inmates) at the Northern Branch Jail. Women have their own units separated from the men's units. There are no special accommodations for women: they eat the same food; sleep on the same type of beds; and, wear the same type of clothes as the male inmates. Although there are women in the jails who are sentenced for a number of years, most are only in the jail for a short time. Of the 849 female inmates who stayed at either jail in 2024, for example, 533 women, or 63 percent, were there only one day, and 170 women, or 20 percent, were in jail two or three days. Those staying more than ten days numbered 8 percent, or 67 women.

At the older Main Jail, the accommodations are stark. Some of the women live behind bars, as in the jails of old, with a narrow approximately 30' x 15' front area filled by picnic tables with

attached benches, leaving little extra open floor space. A shower stall is on one wall and next to it is a wall-mounted television. Off this central space there are three areas approximately 10' x 7'or 8' for sleeping cells separated by bars, with up to four women in each bunk area. A toilet behind a low partition is at the back of these tight sleeping quarters. The maximum occupancy in the unit is 12, and the average number is between eight and eleven women.

This section of the Main Jail is noisy. A fan runs constantly in the hallway because of the absence of access to outside air and the poor ventilation in the old jail. The noise echoes off the cement wall facing the cell bars. For some time in fresh air, the women are escorted to a large yard, on a set schedule, with a different time slot three days a week (early morning, mid-morning, or early afternoon). They can be outside for two hours, and all in the group cell must go at the same time.

There are other areas in the Main Jail for women where there are two contained living units with cement walls. These have a larger shared open space, or dayroom, which is 950 square feet in one unit and 550 square feet in the second. Metal picnic tables with secured metal stools are about the only furnishings in the dayroom. There is a shower room and a phone stand. A small outside area is accessible, to which the women can have access following a two-hour schedule every day of the week. Only a small window in the door leading to the outside area lets in natural light, leaving the entire unit cold, dim, and hard.

Sleeping cells in these units are on an upper and lower floor against two of the walls. These sleeping quarters have metal doors with a small window. The doors can be locked from the outside to keep the women in their dorm section off and on during the day as well as at night. Depending on the compatibility of the women, each sleeping cell will be allowed in the open day room at various times. The larger unit has 16 sleeping cells for two women each, and each area is a confining 8.5' x 8.5'. The smaller unit has three sleeping cells for four women each in an only slightly larger area of about 10' by 10'. The overall effect is constrictive in the sleeping cells, but the women are able to move around at times and change space, which the women behind the units with bars do not benefit from.

On the other hand, the living conditions at the Northern Branch Jail (NBJ) are more comfortable. The units in NBJ appear more spacious, brighter, and quieter. They feature a dayroom that is more like a central living space, and it is larger and thus able to accommodate couches, picnic tables, a phone station, a water fountain, a wall-mounted television, and a serving station. The shower area is larger here than in the Main Jail.

The NBJ can house a maximum of 48 females—32 general population inmates and 16 additional inmates with particular mental health needs. In the general population unit, the eight sleeping cells have four bunk beds (eight women) and a toilet, which has a partition blocking it off somewhat. The sleeping cells in the units have a large glass window looking out at the central area. These

large windows let in more light, but they can be problematic when male guards make their rounds. Some sleeping units have paper taped to the window for some privacy when male deputies patrol.

The central living space is about 20' x 30' and has been designed to provide a comfortable space. One wall has a large glass window that brings in natural light. It looks out on a small triangular outdoor area, a cement-walled open space. During the two jury visits, many occupants moved around freely, seemingly in constant motion, and often chatting and laughing with others around.

There are nine female custody deputies total at the Main Jail and nine at NBJ, almost enough to cover shifts around the clock. When there is a shortage of female deputies due to absences, a male will stand in. The deputies have a raised enclosed platform between the two female units at the NBJ, but they also move around the unit as needed. The deputies at NBJ undergo extra training for this direct supervision in order to orient them to this different approach to supervising inmates.

Women at the NBJ have their own Behavioral Health Unit next to the female general population unit, configured in the same way with a central open space and two-story sleeping cells. It is next to the women's unit for general population. There are fewer women in this unit, as they each have their own sleeping cell. The 16 single-bed cells are usually at maximum capacity. These women stay within their cells much of the time. Some of them need to be in the open space individually, minimizing risk of confrontations with other inmates. If they can get along, more are let out of their cells at the same time. Staff does have daily supervised group activities for the small cohort of mental health inmates, which gives them some social time. There is no comparable Behavioral Health Unit for women at the Main Jail.

If possible, jail management will move women to the NBJ, where living conditions are better. However, if the unit at the NBJ reaches capacity, some women will be transferred back to the Main Jail. Women can request a transfer to NBJ, but as the women's unit is often full, there is no guaranteed timeline. Roughly ten female inmates are able to transfer each month. The Sheriff's Office makes an effort to place the mental health female inmates in the Behavioral Health Unit of the NBJ as soon as possible, and it is almost always at full occupancy. Not all women choose the more comfortable units up North because a deputy is always in the unit with them, and they would rather not be observed constantly. At the Main Jail, deputies walk down the halls at least once an hour for safety checks, which gives the women a bit more time not under the eyes of deputies.

METHODOLOGY

In addition to full-Jury inspections of living conditions for all inmates at both jails and background research, female jurors visited both jails and interviewed female inmates, going twice to the NBJ and once to the Main Jail. At the Main Jail, a meeting was set up with inmates who volunteered to

speak with jurors; there was one group of four and another group of two. For the NBJ, the jurors went on two different occasions, speaking to three volunteer inmates the first time and two the second time. Comments from the eleven female inmates echoed each other, across groups, and across facilities. In addition, the jurors talked to three female custody deputies at the NBJ, including one who had volunteered to work in the Behavioral Health Unit, and to management staff and one deputy at the Main Jail. Management and staff generally corroborated what these female inmates said.

Jurors also researched articles regarding the experiences and conditions of female inmates in jails and prisons.

OBSERVATIONS

The Female Inmate Perspective on Living Conditions

The female inmates have common concerns and common complaints that vary only somewhat between the two facilities. The complaints ranged from choices for the little things in daily living to options for life-enhancing activities.

One such concern was that men can join work crews and prepare meals in the kitchen, do the laundry, do maintenance, or clean the facility. There are enough men to fill a work crew, and if someone is sick, a replacement can be found. Women, on the other hand, are fewer in number. So, when a female inmate is sick, or does not feel like working, which can happen often, there are not enough women available to fill the crew. The result is that women have few work detail opportunities in the jails at this time.

This loss of work opportunities affects the women in several ways. First, they lose the ability to do something, to be active. Some women are said to be so bored that they sleep all day. Additionally, they do not feel productive, which reduces their self-esteem. Women at both jails described this as a true lack of opportunity. Moreover, the loss of not being able to work is that they are not learning or practicing skills that they could use outside the jail to look for a job. Many do not have a strong support system, and leaving the jail without a job skill or recent experience worried them. Without a family, a social group, or a system to keep them afloat, the women were anxious about being released.

The Sheriff's Office is reconsidering the minimum number of women required for work crews in recognition of their ability and willingness to work. Custody management is looking into allowing fewer women to make a team for some tasks such as cleaning, and are also discussing how to incorporate women into work crews.

Classes in jail can also prepare inmates for release, especially if the classes train for some sort of job. At the NBJ, classes in installing solar panels are in demand. But the females could not join them, again because of not enough female inmates to reach the minimum of ten people to fill a class. The women are cut off from the one job skill preparation class that does exist. The Sheriff's Office is discussing lowering the minimum required to eight people rather than ten. Other job training in the jail is not available at this time with the exception of a program offered at both jails, known as SERVSAFE, which trains for a Safe Food Handling certificate. At this time, however, only male inmates can practice this skill in the jail kitchen duty.

Female inmates also directed the Jury's attention to the commissary. The commissary vendor has reduced the number of options for women. As stated in the April 1, 2025, letter to the Board of Supervisors concerning the new contract for the vendor, the Sheriff's Office wrote:

> Commissary services play a crucial role in the proper management of incarcerated individuals by providing access to items that can improve quality of life, such as snacks, better hygiene products, and other personal care items. Having the ability to choose and buy items helps mimic the out-side world's consumer choices and can contribute to a sense of normalcy among inmates.

The current vendor has reduced the number of options to one kind each for such basic items as shampoo and soap. As a result, shampoo and soap products favor the much larger male population. The vendor is further seen as providing additional items for men only such as aftershave, shaving gel, and shaving cream. For hair conditioner and body lotion, there is only a generic brand in small travel-sized bottles. There is no other choice as there had been with the previous vendor, which had a "feminine package" that included brands more used by women. Since they do not have these options, the women inmates feel robbed of their dignity. This vendor has a one-year contract, and the female inmates hope that the next vendor will provide them with more options.

In addition, the Jury found that, in general, the women were frustrated by the lack of food choices. They were enthusiastic about a new food vendor last fall, but disappointment grew as food offerings became more limited. The initial welcome came with the addition of fruit and fresh vegetables with the new vendor. Unfortunately for the NBJ, while some of the women invented small pies with the fresh fruit, some men saw fruit as an opportunity to make homemade alcohol, causing the vendor to remove fruit from their offerings to both men and women. Women at the Main Jail complained less about the food as they still received fruit. This situation has been remedied, but then the main dinner course offering was reduced to beans and rice for a time, which female inmates criticized for lack of variety. The nutritional value of the food is questioned especially by women who want to keep their weight down, a difficult ambition given the lack of food variety and the lack of exercise available.

A prior disparity between men and women was mentioned for clothing. For a time, men were allowed to wear shorts; the women were not. When the men began to cut off their pants to make them shorts at the Main Jail, once again jail management had to disallow shorts for everyone. Also, there was some confusion over women not being allowed to wear their sweatshirts to classes at NBJ, but the men could. This was eventually resolved in the women's favor, and they can wear the sweatshirts when they leave their unit for another activity.

However, women at the Main Jail will have to wait indefinitely for a different disparity to be resolved: television. Only one channel can be shown at a time across all the televisions in the technologically-challenged Main Jail. Female inmates therefore "watch a lot of soccer" because the Deputies program what the male inmates want to watch. At NBJ, the women's units can select their own choices in television shows and movies.

When inmates have a complaint or a suggestion, the process requires them to file a grievance and get signatures of other inmates. Grand Jurors did not find an example of female inmates petitioning for change. However, when women convey a problem to the custody deputies, they quickly respond to fix it. "They're cool,' one inmate said; "They help."

How Women Benefit from Incarceration

There are educational classes at NBJ provided by Allan Hancock College that have greatly uplifted the inmates, and the female inmates seem particularly aware of the personal growth attained. Hancock College typically teaches three to four credit classes per semester. In fact, the women at NBJ asked for more general education credit classes and expressed a desire to continue studying at the college once released. They are encouraged by Hancock's Rising Scholar program that assists former justice-involved inmates with fitting in, giving them supplies, mentoring, and even loaner laptops. In June 2025, Allan Hancock College awarded certificates of completion to 55 inmates at NBJ; six of these were women. Additionally, the jurors learned of one woman who continued classes until she received a college degree. Allan Hancock College will also start computer classes for credit at the NBJ later in 2025.

Educational offerings at the Main Jail in Santa Barbara have not come back to the pre-Covid level of offerings. Currently, two classes are offered by Santa Barbara City College on alternating semesters at the Main Jail, a stress management class and a "College Ready Study Skills" class. At one time, computer literacy classes were offered at the Main Jail, but now these classes will exist only at NBJ. The return of computer classes at the Main Jail would offer educational and vocational enrichment to this population that is so appreciative of opportunities to change. Classes are available on the personal tablets issued to each woman at the jails, but these classes are not always free. It would benefit the women at the jail to also have the stimulation of contact with teachers and other students.

The Public Defender's Office has staff that meet with inmates as they enter the jail. Their intention is to get to know the inmate, find out what their needs are, and help expedite solutions for their release. The Public Defender's holistic defense program is not as well developed in South County as it is in North County, so there exist fewer Public Defender staff members to direct female inmates to support programs in South County. The female inmates in the Main Jail expressed understanding: "Oh, they're so overworked." The Jury learned that the Sheriff's Office is hoping to arrange a one-year pilot program to boost the Public Defender's program in South County. If this effort succeeds, it will be an important step towards supporting female inmates after their release.

The Sheriff's Treatment Program (STP) has been a successful program for decades. Classes center around personal development and interpersonal skills. Especially noted are the STP classes in drug and alcohol education, criminal and addictive thinking, and anger management. The female inmates mentioned this program and its role in helping them endure incarceration. There are also occasional counseling groups and therapy sessions with volunteers outside the jail that the inmates can attend. In addition to the Sheriff's Treatment Program, each jail has different opportunities provided by different community organizations: at NBJ women meet with Planned Parenthood and yoga groups, and the acclaimed Freedom to Choose program will begin. At the Main Jail, there is a book group for women, and one organization in particular was praised: GOGI, Getting Out by Going In. The emphasis on a better future life by knowing oneself encouraged the female inmates to look ahead, giving them a will to change behavior. Well known organizations such as Alcoholics Anonymous (AA) and Narcotics Anonymous (NA) also help the inmates. At the moment, NA is not meeting in the Main Jail.

The women at both jails appreciated their access to mental health services. They could request a visit from a mental health counselor, and one would come with no long delay. Counselors help them to help themselves. The Jury learned that one female inmate, who had attended required group counseling at another jail, stated that having to go to group sessions helped her and other inmates and gave them something to do.

Medical care was less praised. The female inmates had to put in a lot of "kites," or call slips, to see someone, and if it was a specialty doctor, there was a long wait time. There is only one full time doctor and only one dentist at the moment who spend their time helping incarcerated individuals. Thus, a request for care can seem to go unanswered for a long time. However, the women affirmed that health issues specific to women were not neglected. Santa Barbara County's new contract (signed April 1, 2025) with the existing healthcare provider at the jails adds more nurses and mental health aides to the jail, which will help to some degree, as there are many inmates inside the jails who need medical care.

Overall, what should be noted is that the female inmates see the jail staff as helping and see themselves as getting help. There are disadvantages that are inherent in being incarcerated. When asked what is bad about being in jail, one woman answered, "You are in jail." All agreed. They also shared the opinion that the hardest aspect of that was being away from their family. There are annoyances such as not enough products for women in the commissary, the mail being extremely slow, and not being able to go outside often enough, but these facts are part of living within the cement walls of a detention facility. Some are grateful to have a bed, food, a shower, and shelter. The women who would be homeless outside the jail were especially relieved. As one said, "It's humbling, but it's a safe place."

Female inmates understand that they are there for a reason. The female inmates also seem to know that they are there for a purpose and recognize that they can change. The benefits of incarceration mentioned by these women were:

- Getting healthier
- Getting into a routine
- Being off drugs and alcohol
- Connecting with your higher power
- Building a foundation
- Learning patience and anger management
- Having time to think
- Getting to know yourself
- Being with the girls

While the women in jail can be frustrated by limited choices in daily living, they know that they can make better choices in life.

CONCLUSION

Meeting with female inmates and hearing them express themselves was an experience that should be shared with administrative staff at the County's jails, the Santa Barbara County Board of Supervisors, and the public. Paying attention to requests for more positive experiences in the jails, such as vocational and educational opportunities, could help these female inmates reach that awakening that we hope every inmate can have. The women at the County's jails want to be heard and want to maintain their dignity. The Jury learned that female inmates want to improve some conditions that are bothersome, but, at the same time, that they want to assure staff and volunteers that their contributions are working.

FINDINGS AND RECOMMENDATIONS

Finding 1: To their detriment, female inmates have fewer work opportunities than male inmates in preparing them for life outside jail.

Recommendation 1: The Grand Jury recommends that the Sheriff's Office provide work detail opportunities to female inmates at both of the County's jails in crews that allow for a more flexible number of women. To be implemented by January 1, 2026.

Finding 2: College classes are not available at the Main Jail to the same extent that they are available at the Northern Branch Jail, depriving women at the Main Jail of equivalent educational opportunities.

Recommendation 2: The Grand Jury recommends that the Sheriff's Office expand current educational and vocational course offerings at the Main Jail in cooperation with local colleges. To be implemented by January 1, 2026.

Finding 3: Women inmates are receptive to therapy and self-improvement groups. While the Sheriff's Treatment Program is available at both of the County's jails, the activities provided by community organizations—such as yoga, book clubs, and mutual-support recovery groups—vary between the two facilities.

Recommendation 3: The Grand Jury recommends that the Sheriff's Office expand its efforts to make more community-provided self-improvement and therapy programs available to educate and motivate inmates at both jails, including the women.

REQUIREMENTS FOR RESPONSES

Pursuant to California Penal Code §933 and §933.05, the Grand Jury requests each entity or individual named below to respond to the findings and recommendations within the specified statutory time limit.

Responses to Findings shall be either:

- Agree
- Disagree with an explanation
- Disagree partially with an explanation

Responses to Recommendations shall be one of the following:

- Has been implemented, with a summary of the implementation actions taken
- Will be implemented, with an implementation schedule

- Requires further analysis, with an analysis completion date of fewer than 6 months after the issuance of the report
- It will not be implemented with an explanation of why

Santa Barbara County Sheriff's Office – 60 days

Findings 1, 2, 3

Recommendations 1, 2, 3

CITY COUNCIL STAFF REPORT

Agenda Item 6.h

Meeting Date: July 14, 2025

SUBJECT: **Adopt Resolution No. 25-1300 regarding Santa Barbara County Association of Governments (SBCAG) Allocation of SB-125 Transit Program Funding.**

PREPARED BY: Bridget Paris Public Works Director

DISCUSSION:

The SB-125 program, established through Assembly Bill 102 and Senate Bill 125, appropriates General Fund and Greenhouse Gas Reduction Fund revenues to the Transit and Intercity Rail Capital Program (TIRCP). These funds are distributed over two fiscal years for General Fund allocations and four fiscal years for Public Transportation Account allocations, with a focus on zero-emission transit capital improvements intended to modernize California's transit system.

The Santa Barbara County Association of Governments (SBCAG) is the is the state-designated Regional Transportation Planning Agency for the County of Santa Barbara and is eligible to receive and distribute SB 125 Transit Program funds to eligible local public agencies. SBCAG has requested to enter into this agreement to formalize the City's receipt of an SB-125 allocation to support three capital improvement projects for the Santa Ynez Valley Transit (SYVT). The approved projects align with SB-125 program goals and will be submitted to the California State Transportation Agency (CalSTA) for final approval and fund release.

Under the agreement, SBCAG may reprioritize approved projects—adding, removing, or modifying them—with updated project lists submitted to the SBCAG Policy Board and, upon approval, to CalSTA.

The total SB-125 funding allocation to the City for the SYVT projects will be distributed over three years as follows: $900,000 in the first year, $707,223 in the second year, and $75,000 in the third year, for a total allocation of $1,786,214.

Table 1: Transit Projects scope and budget.

Projects	**Scope**	**SB-125 Project Amount**
Lot 5 Bus Parking Lot	Installation of electrical infrastructure, lighting, charging stations, security lighting, security fencing, and grade and pave the site.	$900,000
SYVT Office	Construction of improvements and ADA modifications to new transit online facility for use by SYVT transit operations.	$150,000
EV Bus Purchase	Purchase of three electric buses.	$736,214
		$1,786,214

ALTERNATIVES:

- Approve the agreement with SBCAG as presented.
- Request modifications to the agreement or project list.
- Decline to approve the agreement and forgo SB-125 funding.

FISCAL IMPACT:

The City will receive a total of $1,786,214 in SB-125 Transit Program funding through SBCAG. This funding will support zero-emission transit capital improvements with no local match currently required.

ATTACHMENTS:

A. Resolution No. 2025-1300
B. SB-125 Transit Funding Agreement

RESOLUTION NO. 25-1300

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLVANG, CALIFORNIA AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT BETWEEN THE SANTA BARBARA COUNTY ASSOCIATION OF GOVERNMENTS AND THE CITY OF SOLVANG FOR THE ALLOCATION OF SB 125 TRANSIT PROGRAM FUNDING

WHEREAS, Assembly Bill (AB) 102 (Chapter 38, Statutes of 2023) and Senate Bill (SB) 125 (Chapter 54, Statutes of 2023) amended the Budget Act of 2023 to appropriate funds to establish the Zero-Emission Transit Capital Program to fund transformative capital improvements intended to modernize California's intercity rail, transit, commuter and ferry systems, hereinafter referred to the "SB 125 Transit Program"; and

WHEREAS, Santa Barbara County Association of Governments ("SBCAG") is the state-designated Regional Transportation Planning Agency for the County of Santa Barbara; and

WHEREAS, SBCAG is an eligible funding recipient and may receive and distribute SB 125 Transit Program funds to eligible public agencies for projects approved by the California State Transportation Agency (CalSTA) in the County of Santa Barbara; and

WHEREAS, SBCAG will distribute SB 125 Transit Program funds to eligible public agencies under its regional jurisdiction, including the City of Solvang ("City"); and

WHEREAS, on December 14, 2023, the SBCAG Policy Board approved a project list for the SB 125 Transit Program Funds to be submitted for final approval by CalSTA; and

WHEREAS, on August 7, 2024, CalSTA approved SB 125 Program projects for the County of Santa Barbara; and

WHEREAS, such approved projects include certain projects for continued operation of the Santa Ynez Valley Transit services; and

WHEREAS, the City of Solvang desires to utilize SB 125 Transit Program funding to permit continued operation of the Santa Ynez Valley Transit services.

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF SOLVANG DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The Recitals set forth above are true and correct and are adopted as findings in support of this Resolution.

SECTION 2. The City Council of the City of Solvang does hereby authorize the City Manager to execute the Agreement between SBCAG and the City and any other documents necessary for the Allocation of SB 125 Transit Program funding on behalf of the City of Solvang for the operation of the Santa Ynez Valley Transit service.

SECTION 3. The City Council of the City of Solvang does hereby authorize the City Manager, or his designee, to take any necessary actions and provide any and all necessary information required by the SB 125 Transit Program funding on behalf of the City of Solvang for operation of the Santa Ynez Valley Transit service.

SECTION 4. This Resolution is effective immediately upon adoption.

SECTION 5. The City Clerk shall certify to the passage and adoption of this Resolution and shall cause a certified copy to be filed in the book of original resolutions.

PASSED, APPROVED AND ADOPTED this 14th day of July, 2025.

_____
David Brown, Mayor

APPROVED AS TO FORM:

_____
Chelsea O'Sullivan, City Attorney

ATTEST:

_____
Annamarie Porter, City Clerk

STATE OF CALIFORNIA)
COUNTY OF SANTA BARBARA)ss
CITY OF SOLVANG)

I, Annamarie Porter, City Clerk of the City of Solvang, California do hereby certify that Resolution No. 25-1300 was passed and adopted by the City Council of the City of Solvang at a regular meeting of said City Council held on the 14th day of July, 2025, and thereafter signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
Annamarie Porter, City Clerk

AGREEMENT BETWEEN
SANTA BARBARA COUNTY ASSOCIATION OF GOVERNMENTS
AND
CITY OF SOLVANG
ALLOCATION OF SB 125 TRANSIT PROGRAM FUNDING

This Agreement is by and between the Santa Barbara County Association of Governments (SBCAG) and the City of Solvang ("Awardee") herein referred to individually as "Party", collectively as "Parties".

WHEREAS, Assembly Bill (AB) 102 (Chapter 38, Statutes of 2023) and Senate Bill (SB) 125 (Chapter 54, Statutes of 2023) amended the Budget Act of 2023 to appropriate $4,000,000,000 of General Fund to the Transit and Intercity Rail Program (TIRCP) over the next two fiscal years as well as $910,000,000 of Greenhouse Gas Reduction (GGRF) funding and $190,000,000 of Public Transportation Account (PTA) funding over the next four fiscal years to establish the Zero-Emission Transit Capital Program (ZETCP) to fund transformative capital improvements intended to modernize California's intercity rail, transit, commuter and ferry systems, hereinafter referred to as the "SB 125 Transit Program";

WHEREAS**,** according to a population-based formula and another formula based on transit operator revenues within the jurisdiction, the Santa Barbara County ("County") region is estimated to receive $53,475,278 of SB 125 Transit Program funds;

WHEREAS, the SBCAG is the state-designated Regional Transportation Planning Agency for the County of Santa Barbara;

WHEREAS**,** as defined in Section 13987(j) of the Government Code**,** SBCAG is the County of Santa Barbara's Regional Transportation Planning Agency. SBCAG is an eligible funding recipient and may receive and distribute SB 125 Transit Program funds to eligible public agencies for projects approved by the California State Transportation Agency (CalSTA) in the County of Santa Barbara;

WHEREAS, SBCAG will distribute SB 125 Transit Program funds to eligible public agencies under its regional jurisdiction;

WHEREAS, on December 14, 2023, the SBCAG Policy Board approved a project list for the SB 125 Transit Program Funds to be submitted for final approval by CalSTA;

WHEREAS, on the August 7, 2024, CalSTA approved projects for County;

WHEREAS, in accordance with SB 125 Transit Program guidelines, SBCAG has requested the County Auditor-Controller to establish a dedicated bank account for the SB 125 Transit Program funds and such a separate account has been established;

WHEREAS, the SBCAG will track the receipt and utilization of the SB 125 Transit Program funds separately, and record interest earned (or other investment income earned) on each fund source separately. The interest or investment earnings must also be spent on approved eligible projects within each program and will be accounted for when SBCAG submits its required Annual Reports to CalSTA; and

WHEREAS, if it is contemplated by the SBCAG that funding between approved projects be reprioritized (including the addition or deletion of a project from the approved project list), an Updated Project List shall be submitted to the SBCAG Policy Board for approval, and if approved, the Updated Project List shall be submitted to CalSTA for approval and said approval obtained before funding is allocated to projects in the Updated Project List in accordance with SB 125 Transit Program guidelines.

NOW, THEREFORE, in consideration of the promises and undertakings therein made and the mutual benefits to be derived therefrom, the Parties agree as follows:

1. **Recitals**

The above Recitals are true and correct and incorporated herein.

2. **Duties of SBCAG**

A. SBCAG agrees to allocate funds paid by CalSTA under the SB 125 Transit Program only for projects as approved by the SBCAG Policy Board and CalSTA.

B. SBCAG agrees to disburse funds to the Awardee, in Exhibit A, as attached hereto and incorporated by this reference, in an expeditious manner and not infringe on the local decision-making processes that determined the specific projects proposed for funding.

C. As a condition of ongoing disbursement of requested SB 125 Transit Program funds, the SBCAG will submit to CalSTA an Annual Report documenting the activities and progress made toward implementation of the projects and operating expenditures.

3. **Duties of Awardee**

A. Awardee agrees to use SB 125 Transit Program funds for approved project(s) described in Exhibit A.

B. Awardee agrees to encumber and expend monies consistent with state law and ensure that GGRF monies are utilized consistent with the expenditure record submitted by CalSTA and required by SB 1018. A determination that uses of GGRF monies is not consistent with the expenditure record and does not further the purposes of AB 32 may occur during legal proceedings or during an audit or program review conducted by the Bureau of State Audits, Department of Finance, a third-party auditor, or CARB. Depending on the outcome of those proceedings or review, the Awardee may be required to return monies to the State if expenditures are not consistent with the statutory requirements (such as not furthering the purposes of AB 32).

C. The Awardee acknowledges and agrees that total funds available to SBCAG for the SB 125 Transit Program may be impacted and possibly reduced by CalSTA as a result of the State's final subsequent budgets.

D. The Awardee agrees to submit a SB 125 Transit Program Project report to SBCAG every 6 months documenting the activities and progress made toward implementation of the projects and operating expenditures, which includes total SB 125 expenditures to date and total amount remaining, for all projects listed in Exhibit A. Consistent with California Air Resources Board's (CARB) Funding Guidelines, the Awardee is required to report on job co-benefits, in addition to all other reporting requirements, if the Awardee receives funding associated with the ZETCP. If accessing funding from the ZETCP, the Awardee may also be required to submit reporting information related to greenhouse gas reductions and priority population benefits in accordance with the CARB's Funding Guidelines. Recordkeeping and reporting requirements will apply throughout the life of the project(s).

E. The Awardee agrees to document and publicize the TIRCP and ZETCP in proper context when developing press releases and board documents, or in hosting public events such as project groundbreakings. References shall be made to TIRCP, ZETCP, the California State Transportation Agency as the program sponsor, and the state programs as fund sources, as applicable, in order to ensure transparency regarding the funding of the projects.

F. The Awardee may spend SB 125 Transit Program funds in any order relative to other state, federal, and local funds.

4. Accounting

The Awardee, its employees, contractors, and subcontractors shall establish and maintain an accounting system and reports that properly accumulate incurred project costs by line. The accounting system shall conform to Generally Accepted Accounting Principles (GAAP), enable the determination of incurred costs at interim points of completion, and provide support for payment vouchers and invoices.

5. Travel and Subsistence

Payments to contractors and subcontractors for travel and subsistence expenses of Awardee forces and/or its contractors or subcontractors, claimed for reimbursement or applied as local match credit, shall not exceed rates authorized to be paid exempt non-represented State employees under current State of California Department of Human Resources (CalHR) rules. If the rates invoiced are in excess of those authorized CalHR rates, then the Awardee is responsible for the cost difference and any overpayments shall be reimbursed to the SBCAG on demand.

6. Record Retention and Audit

A. The Awardee agrees that SBCAG, CalSTA, or both shall have the right to review and to copy any records and supporting documentation pertaining to the performance of the Agreement. The Awardee agrees to maintain such records for a possible audit after the final payment for at least three (3) years after all funds have been expended unless a longer period of records retention is stipulated. Wherever practicable, such records should be collected, transmitted, and stored in open and machine-readable formats. Awardee shall participate in any audits and review, whether by SBCAG or the State, at no charge to SBCAG. Awardee's contractors or subcontractors paid with moneys under the terms of this Agreement shall be responsible for maintaining accounting records as specified herein.

B. If audit exceptions are found pursuant to state or other regulatory audit relating to this Agreement, Awardee shall reimburse all costs incurred by SBCAG associated with defending and/or curing audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from SBCAG, Awardee shall reimburse the amount of the audit exceptions and any other related costs directly to SBCAG as specified by SBCAG in the notification. SBCAG shall endeavor to provide Awardee reasonable, prompt notice of any such potential costs.

C. If any litigation, claim, negotiation, audit, monitoring, inspection, or other action has been started before the expiration of the required record retention period, all records must be retained by the Awardee and its designees, contractors, and subcontractors until completion of the action and resolution of all issues which arise from it. In any contract that Awardee enters into in an amount exceeding $10,000, the Awardee shall include the SBCAG's and CalSTA's right to audit the subcontractor's records and interview their employees.

7. Term and Termination

A. This Agreement shall become effective when fully executed by both Parties and shall continue in full force and effect until completion of the Project, but not later than June 30, 2028.

B. The Parties to this Agreement recognize the significant expenditures and projects that will result from the funding detailed in this Agreement, and that Awardee will necessarily be bound to those projects. As a result, no party may terminate this Agreement, except for material breach, until all funds pursuant to this Agreement have been expended.

C. The Program requires awarded funds be expended no later than June 30, 2028. Should legislation extend the expenditure deadline, that revised expenditure deadline shall become applicable for the Awardee.

D. In the event that it is determined, at the sole discretion of SBCAG, that the Awardee is not meeting the terms and conditions of the Agreement, including, but not limited to material breach, SBCAG shall issue notification to Awardee. Upon receipt of notice, Awardee shall have thirty (30) days to cure any alleged deficiencies. If Awardee fails to cure within the stated time period, then SBCAG may issue an immediate stop work order on the project or terminate this Agreement for material breach as set forth in subsection 7.H.

E. If the Awardee does not initiate activity or make any expenditures toward project implementation during any 1-year period beginning after the date of receiving the funds, the project may be subject to review by the SBCAG Policy Board for reprioritization or deletion from the approved project list. The Awardee may request to reprogram the funds to another eligible project.

F. For Nonappropriation of Funds. Notwithstanding any other provision of this Agreement, in the event that no funds or insufficient funds are appropriated or budgeted by state or local governments, or funds are not otherwise available for payments in the fiscal year(s) covered by the term of this Agreement then SBCAG will notify Awardee of such occurrence and SBCAG may terminate or suspend this Agreement in whole or in part, with or without a prior notice period. Subsequent to termination of this Agreement under this provision, SBCAG shall have no obligation to make payments with regard to the remainder of the term but shall remain obligated for expenses already incurred by Awardee at the time of termination subject to the provisions in Section 7.G.

G. Invoicing. The Awardee agrees SBCAG will only process reimbursement payments to the Awardee that SBCAG has received by the State. SBCAG shall have no obligation to distribute funds more funds than it receives. If SBCAG does not receive an anticipated distribution of funds, or receives less than an anticipated distribution SBCAG will promptly notify Awardee. At the time of Agreement execution, SBCAG's status of allocation and obligations are:

   i. Year 1 $900,000 received and ready for distribution;
   ii. Year 2 $779,223 not yet received, anticipated distribution;
   iii. Year 3 $75,000 not yet received, anticipated distribution;
   iv. Year 4 $0 not yet received, anticipated distribution; and
   v. Year 5 $0 not yet received, anticipated distribution.

   The Awardee shall invoice SBCAG at least quarterly but not more frequently than monthly for expenditures incurred by the Awardee. Awardee shall provide adequate information (copies of invoices/checks) as to support the reimbursement request.

H. For Cause. Should Awardee materially breach any provision of this Agreement, and fail to cure such material breach after notice from SBCAG, SBCAG may, at SBCAG's sole option, terminate or suspend this Agreement in whole or in part by written notice. Upon receipt of notice, Awardee shall immediately discontinue all work affected (unless the notice directs otherwise) and notify SBCAG as to the status of its performance. The date of termination shall be the date the notice is received by Awardee unless the notice directs otherwise.

8. Indemnification

In lieu of and notwithstanding the pro rata risk allocation which might otherwise be imposed between the PARTIES pursuant to California Government Code Section 895.6, the PARTIES agree that all losses or liabilities incurred by a party shall not be shared pro rata but instead all parties agree that pursuant to California Government Code Section 895.4, each of the PARTIES hereto

shall fully indemnify and hold each of the other parties, their officers, board members, employees and agents, harmless from any claim, expense or cost, damage or liability imposed for injury (as defined by California Government Code Section 810.8) occurring by reason of the negligent acts or omissions or willful misconduct of the indemnifying party, its officers, board members, employees or agents, under or in connection with or arising out of any work, authority or jurisdiction delegated to such party under this Agreement. No party, nor any officer, board member, employee or agent thereof shall be responsible for any damage or liability occurring by reason of the negligent acts or omissions or willful misconduct of other PARTIES hereto, their officers, board members, employees or agents, under or in connection with or arising out of any work, authority or jurisdiction delegated to such other parties under this Agreement.

9. Notification of Accidents and Survival of Indemnification Provisions

PARTIES shall notify the other PARTIES immediately in the event of any accident or injury arising out of or in connection with this MOU. The indemnification provisions in this MOU shall survive any expiration or termination of this MOU.

10. Non-Partnership

This Agreement is not intended by the PARTIES to constitute or create a joint venture, pooling arrangement, or formal business organization of any kind. The rights and obligations of the PARTIES shall be only those expressly set forth herein.

11. Insurance

Each party shall maintain its own insurance coverage, through commercial insurance, self-insurance or a combination thereof, against any claim, expense, cost, damage, or liability arising out of the performance of its responsibilities pursuant to this Agreement.

12. California Law and Venue

Federal law and the laws of the State of California shall govern this Agreement. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district nearest Santa Barbara County, if in federal court.

13. Time is of the essence

Time is of the essence in this Agreement and each covenant and term is a condition herein.

14. Amendments

In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the Parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each Party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel

Amendments to the Scope of Work (Exhibit A) may mutually be approved in writing by the SBCAG Executive Director and General Manager so long as the final deliverable remains materially unchanged. Any other amendment to this agreement shall be approved by the Parties' governing bodies.

15. Nondiscrimination

During the performance of this Agreement, the Awardee assures that no otherwise qualified person shall be excluded from participation or employment, denied program benefits, or be subjected to discrimination based on race, color, ancestry, national origin, sex, gender, gender identity, gender expression, genetic information, age, disability, handicap, familial status, religion, or belief, under any program or activity funded by this Agreement, as required by Title VI of the Civil Rights Act of 1964, as amended, and with the provisions contained in Title 49, Code of Federal Regulations (CFR), Part 21 through Appendix C and 23 CFR section 710.405(b), the Fair Housing Act (42 USC 3601-20) and all implementing regulations, and the Age Discrimination Act of 1975 and all implementing regulations. During the performance of this Agreement, the Awardee, for itself, its assignees and successors in interest agrees as follows:

A. **Compliance with Regulations**. Awardee shall comply with the regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation (hereinafter, "DOT") 49 CFR Part 21, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this Agreement.

B. **DOT-assisted Contracts**. Awardee shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the Awardee to carry out these requirements is a material breach of this Agreement, which may result in the termination of this Agreement or such other remedy as recipient deems appropriate. Awardee, with regard to the work performed by it during the agreement, shall not discriminate on the grounds of race, religion, color, sex, age or national origin in the selection or retention of subcontractors, including procurement of materials and leases of equipment. Awardee shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

C. **Solicitations for Subcontractors, including Procurement of Materials and Equipment**. In all solicitations either by competitive bidding or negotiations made by Awardee for work to be performed under the subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by Awardee of Awardee's obligations under this Agreement, and the Regulations relative to nondiscrimination on the grounds of race, religion, color, sex, age or national origin.

D. **Information and Reports**. Awardee shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to such records as may be determined by SBCAG to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of Awardee is in the exclusive possession of another who fails or refuses to furnish this information, Awardee shall so certify to SBCAG, and shall set forth what efforts it has made to obtain the information.

E. **Sanctions for Noncompliance**. In the event of Awardee's noncompliance with the nondiscrimination provisions of this Agreement, SBCAG shall impose such contract sanctions as it may determine to be appropriate, including, but not limited to:

   i. Withholding of payments to Awardee under this Agreement until Awardee complies, and/or
   ii. Cancellation, termination or suspension of the Agreement in whole or in part.

F. The Awardee shall, in the course of performing Project work, fully comply with the applicable provisions of the Americans with Disabilities Act (ADA) of 1990, which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA. (42 U.S.C. 12101 et seq.)

G. The Awardee shall include this Nondiscrimination clause and its subsections in all subcontracts.

16. Debarment and Suspension

Each Party certifies that it and its employees and principals are not debarred, suspended, or otherwise excluded from or ineligible for, participation in federal, state, or local government contracts. Awardee certifies that it shall not contract with a contractor to complete work under this Agreement that is so debarred or suspended.

17. Conflict of Interest

The Parties covenant that they presently have no employment or interest and shall not acquire any employment or interest, direct or indirect, including any interest in any business, property, or source of income, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. Awardee agree to promptly disclose to SBCAG, in writing, any potential conflict of interest. SBCAG retains the right to waive a conflict of interest disclosed if SBCAG determines it to be immaterial, and such waiver is only effective if provided by SBCAG in writing.

18. Counterparts

This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

19. Designated Representatives

Maya Kulkarni at phone number 805-600-4473 is the representative of SBCAG and will administer this Agreement for and on behalf of SBCAG. Bridget Paris at phone number 805-465-7794 is the authorized representative for Awardee. Changes in designated representatives shall be made only after advance written notice to the other party.

20. Notices

Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by first class mail, postage prepaid, , or at such other address or to such other person that the parties may from time to time designate in accordance with this Notice section. Notices and consents under this section, which are sent by mail, shall be deemed to be received five (5) days following their deposit in the U.S. mail. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

To Awardee: Attention: Randy Murphy
City of Solvang
1644 Oak Street
Solvang, CA 93463

To SBCAG: Attention: Maya Kulkarni
Santa Barbara County Association of Governments
260 N. San Antonio Road, Suite B
Santa Barbara CA 93110
Phone: 805-600-4473

21. Severability

If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

22. No Waiver of Default

No delay or omission of either Party to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to either Party shall be exercised from time to time and as often as may be deemed expedient.

23. Compliance with Law

Each Party shall, at its sole cost and expense, comply with all SBCAG Ordinances, and, State and Federal laws, statutes, regulations, and rules now in force or which may hereafter be in force, including but not limited to legal requirements that pertain to construction, health and safety, labor, fair employment practices, equal opportunity, and all other matters applicable to the grant. Each Party agrees to comply with CalSTA Guidelines, as applicable. Awardee shall include this clause in all subcontracts.

24. Survival

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration.

25. Remedies Not Exclusive

No remedy herein conferred upon or reserved to either Party is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

26. Section Headings

The headings of the several sections, and any table of contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

27. Successors

All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the PARTIES hereto, shall be binding upon and inure to the benefit of such party and its successors.

28. Authority

All signatories and PARTIES to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any State and/or federal law in order to enter into this Agreement have been fully complied with.

[This area intentionally left blank. Signatures on following page.]

IN WITNESS THEREOF, the Agreement has been executed by the Parties and is effective when fully executed by both Parties.

Santa Barbara County Association of Governments (SBCAG)

By:_____
Name: Randy Rowse
Title: Chair, SBCAG
Date:

Attest:
Marjie Kirn
Clerk of the Board

By: _____
Deputy

Approved as to Form:
Rachel Van Mullem
County Counsel

By: _____
Senior Deputy County Counsel

City of Solvang

By: _____
Name: David Brown
Title: Mayor
Date:

Attest:

By: _____
Name: Annamarie Porter
Title: City Clerk

Approved as to Form and Procedure:

By: _____
Chelsea O'Sullivan, City Attorney

Exhibit A
CalSTA approved projects for City of Solvang

Projects	Scope	SB-125 Project Amount
Lot 5 Bus Parking Lot	Installation of electrical infrastructure, lighting, charging stations, security lighting, security fencing, and grade and pave the site	$900,000
SYVT Office	Construction of improvements and ADA modifications to new transit online facility for use by SYVT transit operations	$150,000
EV Bus Purchase	Purchase of three electric buses.	$736,214
	Totals:	**$1,786,214**

CITY COUNCIL STAFF REPORT

Agenda Item 6.i

Meeting Date: July 14, 2025

SUBJECT: **Approval of Professional Services Agreement with GeoSolutions for the Fredensborg Canyon Road Multipurpose Trail design**

PREPARED BY: Bridget Paris Public Works Director

DISCUSSION:
The Public Works Department recommends that the City Council approve a professional services agreement with GeoSolutions, a geotechnical engineering firm, for geotechnical services related to the proposed Fredensborg Canyon Road Multipurpose Trail project.

The scope of services includes the preparation of a soils engineering report in accordance with the 2025 California Building Code. Work will include a preliminary review of existing geotechnical data, followed by field exploration along the southeast side of Fredensborg Canyon Road. Multiple borings will assess subsurface conditions and determine soil and rock properties essential for the design of proposed improvements, which include a multipurpose trail and multiple retaining walls.

Field work is anticipated to begin in mid-August, approximately four weeks after the agreement is executed. GeoSolutions will deliver a final geotechnical report within eleven weeks of completing the field exploration. The agreement is proposed to begin on July 14, 2025, and remain in effect for one year.

In early 2025, the City solicited proposals from three geotechnical firms. Two firms submitted proposals. GeoSolutions was selected due to their relevant experience and their proposal's alignment with the City's scope and level of required field investigation. The other respondent's proposal reflected a limited understanding of the technical scope and did not adequately address the level of exploration needed.

ALTERNATIVES:
1. Approve the professional services agreement with GeoSolutions as recommended.
2. Reject the proposed agreement and direct staff to reinitiate the request for proposals process.
3. Request modifications to the agreement before approval.

FISCAL IMPACT:
The total not-to-exceed cost of the professional services agreement with GeoSolutions is $50,828. Funding for this geotechnical work is available in the current Capital Improvement Program (CIP) budget allocated to the Fredensborg Canyon Road Multipurpose Trail Project.

ATTACHMENTS:
A. GeoSolutions Professional Services Agreement
B. Exhibit A – GeoSolutions Scope of Work
C. GeoSolutions Certificate of Insurance
D. GeoSolutions Campaign Disclosure Form

CITY OF SOLVANG
PROFESSIONAL SERVICES AGREEMENT

PARTIES AND DATE. This Agreement is made and entered into **this 14th** day of **July, 2025** ("Effective Date") by and between the **CITY OF SOLVANG**, a Municipal Corporation and Charter City organized under the Constitution and laws of the State of California with its principal place of business at 1644 Oak Street, Solvang, CA 93463 ("City") and **GEOSOLUTIONS, INC.,** a California Corporation with its principal place of business at 220 High Street San Luis Obispo, CA 93401 with the Secretary of State ("Consultant"). City and Consultant are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement. The parties hereto, in consideration of the mutual covenants contained herein, hereby agree to the following terms and conditions:

1.0 GENERAL PROVISIONS

1.01 **Term**: This agreement will become effective on the date of execution set forth below, and will continue in effect until terminated as provided herein.

1.02 **Services** : Consultant shall perform the **scope of work (tasks)** described and set forth in **Exhibit A**, attached hereto and incorporated herein as though set forth in full. Consultant shall complete the tasks according to the **project schedule** which is also set forth in **Exhibit A**.

Consultant shall determine the method, details and means of performing the above-referenced services.

Consultant may, at their own expense, employ such assistants and subconsultants, as Consultant deems necessary to perform the services required of Consultant by this agreement. However, Consultant may not assign this agreement to any other person or entity in the performance of required project-related services, and the City may not control, direct or supervise Consultant's assistants or employees in the performance of those services.

1.03 **Standard of Performance:** Consultant's services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant's profession currently practicing under similar conditions. Whenever the scope of work requires or permits approval by the City, it is understood to be approval solely for the purposes of conforming to the requirements of the scope of work and not acceptance of any professional or other responsibility for the work. Such approval does not relieve the Consultant of responsibility for complying with the standard of performance or laws, regulations, industry standards, or from liability for damages caused by negligent acts, errors, omissions, noncompliance with industry standards, or the willful misconduct of Consultant or its subcontractors. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this contract and all applicable federal, state and local laws. If Consultant is retained to perform services requiring a license, certification, registration or other similar requirement under California law, Consultant shall maintain that license, certification, registration or other similar requirement throughout the term of this Contract.

1.04 **Compensation**: In consideration for the services to be performed by Consultant, City agrees to pay Consultant monetary consideration for professional services in accordance with the **fee schedule** set forth in **Exhibit A**. The parties agree that total compensation for fees and costs for the services detailed in **Exhibit A** shall not exceed the sum of **$50,828.00**, unless and until this Agreement is amended as provided herein.

1.05 **Billing/Payment Terms**. All charges for Consultant's services and authorized related reimbursable expenses shall be billed monthly, and all undisputed charges will be paid by City within 30 (thirty) days of receipt. The bills shall list all tasks under this Agreement, the task budget, project total budget, percentage completed for each task for that month, associated percentage billing against each task, and total billing for that month. In the event the Agreement is based on time & materials billing up to a not-to-exceed amount, the bill shall itemize by date all services and expenses provided during the invoice period (under this Agreement) including a brief description of the nature of work performed, the person or vendor performing them, the applicable billing rate, and the time expended. All Consultant service invoices must be approved by the City Manager prior to payment.

2.0 OBLIGATIONS OF CONTRACTOR

2.01 **Contract Management and Service Performance**: Principal shall serve as the project manager and will personally prepare, or direct and supervise the preparation of, all work product called for by this agreement. Consultant represents that it has the qualifications, experience and facilities to properly perform all services hereunder in a thorough, competent, timely, and professional manner and shall, at all times during the term of this Agreement, have in full force and affect all licenses required of it by law. Consultant agrees to devote the hours and the human resources necessary to timely perform the services set forth in this agreement in an efficient, professional, and effective manner.

2.02 **Avoidance of Conflict of Interest.**

(a) Consultant may represent, perform services for, and be employed by additional individuals or entities, in Consultant's sole discretion, as long as the performance of these extra-contractual services does not interfere with or present a conflict with City's business or interfere with the timely performance and completion of Consultant's services under this Agreement.

(b) Consultant shall comply with all conflict of interest laws and regulations including, without limitation, the City's Conflict of Interest Code (on file in the City Clerk's Office). All officers, employees and/or agents of Consultant who will be working on behalf of the City pursuant to this Agreement may be required to file Statements of Economic Interest. Therefore, it is incumbent upon the Consultant to notify the City of any staff changes relating to this Agreement.

(c) In accomplishing the scope of services of this Agreement, all officers, employees and/or agents of the Consultant unless as indicated in Subsection (d), will be performing a very limited and closely supervised function, and therefore, unlikely to have a conflict of interest arise. No disclosures are required for any officers, employees, and/or agents of Consultant, except as indicated in Subsection (d). _____ (*Initials)*.

(d) In accomplishing the scope of services of this Agreement, Consultant will be performing a specialized or general service for the City, and there is substantial likelihood that the Consultant's work product will be presented, either written or orally for the purpose of influencing a governmental decision. As a result, the following persons shall be subject to the City's Conflict of Interest Code.

none

2.03 **Tools and Instrumentalities**: Consultant shall provide all tools and instrumentalities to perform the services under this agreement.

2.04 **Workers' Compensation and Other Employee Benefits**: City and Consultant intend and agree that Consultant is an independent contractor of City and agree that Consultant and Consultant's employees and agents have no right to Workers' Compensation and other City-sponsored employee benefits. Consultant agrees to provide Workers' Compensation and other employee benefits, where required by law, for Consultant's employees and agents. Consultant agrees to hold harmless and indemnify City for any and all claims arising out of any claim for injury, disability, or death of Consultant and any of Consultant's employees or agents.

2.05 **Indemnification**

(a) Non-design, non-construction Professional Services: To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, including the City's active or passive negligence, except for such loss or damage arising from the sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(b) Non-design, construction Professional Services: To the extent the Scope of Services involve a "construction contract" as that phrase is used in Civil Code Section 2783, this paragraph shall apply in place of paragraph (a). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, except for such loss or damage arising from the active negligence, sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(c) Design Professional Services: In the event Consultant is a "design professional", and the Scope of Services require Consultant to provide "design professional services" as those phrases are used in Civil Code Section 2782.8, this paragraph shall apply in place of paragraphs (a) or (b). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8) Consultant shall indemnify, defend and hold harmless the City and its elected officials, officers, employees, volunteers and agents ("City Indemnitees"), from and against all claims, damages, injuries, losses, and expenses including costs, attorney fees, expert consultant and expert witness fees arising out of, pertaining to or relating to, the negligence, recklessness or willful misconduct of Consultant, except to the extent caused by the sole negligence, active negligence or willful misconduct of the City. Negligence, recklessness or willful misconduct of any subcontractor employed by Consultant shall be conclusively deemed to be the negligence, recklessness or willful misconduct of Consultant unless adequately corrected by Consultant. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of

this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims. In no event shall the cost to defend charged to Consultant under this paragraph exceed Consultant's proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more defendants is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, Consultant shall meet and confer with other parties regarding unpaid defense costs.

(d) Payment by City is not a condition precedent to enforcement of the indemnities in paragraph (a), (b), or (c). In the event of any dispute between Consultant and City, as to whether liability arises from the active negligence, sole negligence or willful misconduct of the City or its officers, employees, or agents, Consultant will be obligated to pay for City's defense until such time as a final judgment has been entered adjudicating the City as having been actively negligent, solely negligent or as having engaged in willful misconduct. Except as otherwise required by Civil Code Section 2782.8, Consultant will not be entitled in the absence of such a determination to any reimbursement of defense costs including but not limited to attorney's fees, expert fees and costs of litigation. The provisions of this Section 2.05 shall survive completion of Consultant's services or the termination of this Agreement.

2.06 **Insurance**: Consultant shall maintain prior to the beginning of and for the duration of this Agreement insurance coverage as specified in Exhibit B attached to and part of this agreement.

2.07 **Campaign Contribution Disclosure:** Pursuant to Government Code Section 84308, any party to a City proceeding (which includes, but is not limited to, all contracts with the City, other than competitively bid, labor, or personal employment contracts) must disclose on the record any campaign contributions made to a member of the City Council or other elected or appointed officer of the City, any candidate for elected office of the City, or any candidate for elective office of any other agency who is also an elected or appointed officer of the City in excess of $250 in the past 12 months. This disclosure requirement includes contributions by the party's agent, such as a consultant, and aggregated contributions from persons or entities related to the party. Consultant is required to fill out and provide the attached Exhibit C 'Applicant/Interested Party Campaign Contribution Disclosure Form' with submission of this Agreement and to update this form after each contribution and no later than the beginning of any associated proceeding.

3.0 OBLIGATIONS OF CITY

3.01 **Cooperation**: City agrees to comply with all reasonable requests of Consultant necessary to the performance of Consultant's duties under this agreement. City employees, agents and officers of the City agree to disclose all information relevant to this project to Consultant. Consultant shall be entitled to reasonably rely upon the accuracy and completeness of information furnished by City, provided that Consultant shall give City prompt written notice of any known defects in such information.

4.0 TERMINATION OF AGREEMENT

4.01 **Termination Notice**: Notwithstanding any other provision of this agreement, any party hereto may terminate this agreement, at any time, without cause, by giving at least 30 (thirty) days' prior written notice to the other parties to this agreement.

4.02 **Termination on Occurrence of Stated Events**: This agreement shall terminate automatically on the occurrence of any of the following events:

a. Sale of the business of any party;

b. The end of the 30 (thirty) days as set forth in section 4.01;

c. End of the contract to which Consultant's services were necessary; or

d. Assignment of this agreement by Consultant without the consent of City.

e. Death of any party.

4.03 **Termination by any Party for Default**: Should any party default in the performance of this agreement or materially breach any of its provisions, the non-breaching party, at its option, may terminate this agreement, immediately, by giving written notice of termination to the breaching party.

4.04 **Termination**: This agreement shall terminate on **July 1, 2026**, unless earlier extended as set forth in this Section. The City, with the agreement of Consultant, is authorized to extend the term of this agreement beyond the termination date, as needed, under the same terms and conditions as set forth in this agreement. Any such extension shall be in writing and be an amendment to this agreement.

5.0 SPECIAL PROVISIONS

5.01 **Additional Tasks as May Be Assigned by the City Manager**: Prior to initiating any Consultant work on matters relating to the purposes of this Agreement, but outside the Scope of Services for this Agreement, it shall be the responsibility of Consultant to obtain written approval of the City Manager, prior to initiation of such tasks.

5.02 **Time Schedule**: Consultant is to begin work upon receipt and execution of City contract. Consultant agrees to engage its best efforts to adhere strictly to the schedule set forth in **Exhibit A** and incorporated herein.

5.03 **Work Outside Contract Scope**: No payment for changed or additional work shall be made unless the changed or additional work has first been approved in writing by the City Manager and the parties have agreed upon the appropriate adjustment, if any, to the payment schedule and maximum payment amount for the changed or additional work. The Contract Manger may order changes or additions to the scope of work. Whether a change or addition to the scope of work is proposed by the Consultant or ordered by the City Manager, the parties shall in good faith negotiate an appropriate adjustment, if any, to the payment schedule and maximum payment for the changed or additional work. An approved change or addition, along with the payment adjustment, if any, will be effective upon an amendment to this contract executed by both parties. The amendment shall not render ineffective or invalidate unaffected portions of this contract.

5.04 **Confidentiality:**

(a) Confidential Nature of Information. Consultant shall treat all information obtained from the City in the performance of this contract as confidential and proprietary to the City. Consultant shall treat all records and work product prepared or maintained by Consultant in the performance of this contract as confidential.

(b) Limitation on use and disclosure. Consultant agrees that it will not use any information obtained as a consequence of the performance of work for any purpose other than fulfillment of Consultant's scope of work. Consultant will not disclose any information prepared for the City, or obtained from the City or obtained as a consequence of the performance of work to any person other than the City, or its own employees, agents or

subcontractors who have a need for the information for the performance of work under this contract unless such disclosure is specifically authorized in writing by the City.

(c) Security plan. If requested by the City Manager, Consultant shall prepare a security plan to assure that information obtained from the City or as a consequence of the performance of work is not used for any unauthorized purpose or disclosed to unauthorized persons. Consultant shall advise the City of any request for disclosure of information or of any actual or potential disclosure of information.

(d) Survival. Consultant's obligations under this paragraph shall survive the termination of this contract.

6.0 MISCELLANEOUS

6.01 **Notices**: Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this agreement or by law to be served on or given to any party to this agreement shall be in writing and delivered or, in lieu of such personal service, when deposited in the United States mail, first class postage prepaid, to the following address for each respective party:

PARTY	ADDRESS
TO: CITY OF SOLVANG	City of Solvang Attention: City Clerk 1644 Oak Street Solvang, CA 93463
Copy to:	Richards, Watson & Gershon Chelsea O'Sullivan, City Attorney 847 Monterey Street, Suite 206 San Luis Obispo, CA 93401
TO: CONSULTANT	GeoSolutions, Inc. Kraig Crozier, CEO 220 High Street San Luis Obispo, CA 93401

6.02 **Governing Law**: This agreement and all matters relating to this agreement shall be governed by the laws of the State of California in force at the time, should any need for interpretation of this agreement or any decision or holding concerning this agreement arise.

6.03 **Binding Effect**: This agreement shall be binding on and shall inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto, but nothing in this Section shall be construed as consent by City to any assignment of this agreement or any interest in the agreement.

6.04 **Remedies**: The remedies set forth in this agreement shall not be exclusive, but shall be cumulative with, and in addition to, all remedies now or hereafter allowed by law or equity.

6.05 **Due Authority**: The parties hereby represent that the individuals executing this agreement are expressly authorized to do so on and in behalf of the parties.

6.06 **Ownership of Work Product**: Upon delivery, the work product, including without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations

developed under this contract are the property of the City. Consultant agrees that all copyrights, which arise from creation of the work pursuant to this contract, shall be vested in the City and waives and relinquishes all claims to copyright or other intellectual property rights in favor of the City. City acknowledges that its use of the work product is limited to the purposes contemplated by the scope of work and that the Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by the scope of work.

6.07. **Integration and Modification**:

(a) This contract represents the entire understanding and agreement of the City and Consultant as to those matters contained herein. This agreement correctly sets forth the obligations of the parties hereto to each other as of the date of this agreement. All agreements or representations respecting the subject matter of this agreement not expressly set forth or referred to in this agreement are null and void. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This contract may not be modified, amended, or altered except in writing signed by the City and Consultant.

(b) In the event of any conflict between the terms of this agreement and the terms of an exhibit, the terms of this agreement shall control, even if the exhibit purports to modify this agreement. In the event an exhibit incorporates by reference any additional physical documents, websites, web links or other electronic location not under the control of the City, the parties agree that such additional documents shall have no impact on this agreement and shall be deemed to be void unless actually attached to the exhibit that purports to incorporate such additional document. Notwithstanding the foregoing sentence, the provisions of Section 2.05 of this agreement shall not be altered, amended, limited or otherwise affected in any manner by any language included in an exhibit to this agreement, even if such exhibit purports to affect the provisions of Section 2.05. Furthermore, any attempt to limit liability to the City that is expressed in an exhibit shall have no force or effect unless City has expressly agreed to such limitation by providing the initials of its authorized representative here: _____.

6.08. **Advice of Counsel**: The parties agree that they are aware that they have the right to be advised by counsel with respect to the negotiations, terms, and conditions of this contract, and that the decision of whether or not to seek the advice of counsel with respect to this contract is a decision which is the sole responsibility of each of the parties hereto. This contract shall not be construed in favor or against either party by reason of the extent to which each party participated in the drafting of the contract.

6.09. **Independent Review**: Each party hereto declares and represents that in entering this contract it has relied and is relying solely upon its own judgment, belief and knowledge of the nature, extent, effect and consequence relating thereto. Each party further declares and represents that this contract is being made without reliance upon any statement or representation not contained herein of any other party, or any representative, agent, or attorney of any other party.

6.10. **Attorney Fees:** In the event of any controversy, claim or dispute between the parties hereto, arising out of or relating to this agreement, or the breach hereof, the prevailing party shall be entitled, in addition to other such relief as may be granted, to a reasonable sum as and for attorney fees.

6.11 **No waiver:** The waiver of any breach by any party of any provision of this agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of this agreement.

6.12. **Assignment:** This agreement is specifically not assignable by Consultant to any person or entity. Any assignment or attempt to assign by Consultant whether it be voluntary or involuntary, by operation of law or otherwise, is void and is a material breach of this agreement, giving rise to a right to terminate as set forth in Section 4.03.

6.13. **Time for Performance:** Except as otherwise expressly provided for in this agreement, should the performance of any act required by this agreement to be performed by either party be prevented or delayed by reason by any act of God, strike, lockout, labor trouble, inability to secure materials, epidemics, pandemics, or any other cause, except financial inability, which is the fault of the party required to perform the act, the time for performance of the act will be extended for a period of time equivalent to the period of delay and performance of the act during the period of delay will be excused: provided, however, that nothing contained in this Section shall exclude the prompt payment by either party as required by this agreement of the performance of any act rendered difficult or impossible solely because of the financial condition of the party required to perform the act.

6.14 **Severability:** Should any provision of this agreement be held by a court of competent jurisdiction or by a legislative or rulemaking act to be either invalid, void or unenforceable, the remaining provisions of this agreement shall remain in full force and effect, unimpaired by the holding, legislation or rule.

6.15. **Construction:** The parties agree that each has had an opportunity to have their counsel review this agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this agreement or any amendments or exhibits thereto. The captions of the sections are for convenience and reference only, and are not intended to be construed to define or limit the provision to which they relate.

6.16. **Amendments:** Amendments to this agreement shall be in writing and shall be made only with the mutual written consent of all the parties to this agreement.

6.17. **Signatures**: The individuals executing this contract represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the parties have executed this contract on the following date.

CITY OF SOLVANG

David Brown, Mayor

ATTEST:

Annamarie Porter, City Clerk

CONTRACTOR
GEOSOLUTIONS, INC.

Krain Crozier, Chief Executive Officer

APPROVED AS TO FORM
Richards, Watson & Gershon

Chelsea O'Sullivan, City Attorney

EXHIBIT A

SCOPE OF WORK,

FEE SCHEDULE

&

PROJECT SCHEDULE

EXHIBIT B

INSURANCE REQUIREMENTS

Prior to the beginning of and throughout the duration of the Work, Consultant will maintain insurance in conformance with the requirements set forth below. Consultant will use existing coverage to comply with these requirements. If that existing coverage does not meet the requirements set forth here, Consultant agrees to amend, supplement or endorse the existing coverage to do so. Consultant acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds available to City in excess of the limits and coverage required in this agreement and which is applicable to a given loss, will be available to City.

Consultant shall provide the following types and amounts of insurance:

Commercial General Liability Insurance using Insurance Services Office "Commercial General Liability" policy form CG 00 01, or a City approved equivalent. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. Limits are subject to review but in no event less than $1,000,000 per occurrence and in the aggregate.

Business Auto Coverage on ISO Business Auto Coverage form CA 00 01 including symbol 1 (Any Auto) or the equivalent. Limits are subject to review, but in no event to be less than $1,000,000 per accident. If Consultant owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Consultant or Consultant's employees will use personal autos in any way on this project, Consultant shall provide evidence of personal auto liability coverage for each such person.

Workers Compensation on a state-approved policy form providing statutory benefits as required by law with employer's liability limits no less than $1,000,000 per accident or disease.

Professional Liability or Errors and Omissions Insurance as appropriate shall be written on a policy form coverage specifically designed to protect against acts, errors or omissions of the consultant and "Covered Professional Services" as designated in the policy must specifically include work performed under this agreement. The policy limit shall be no less than $1,000,000 per claim and in the aggregate. The policy must "pay on behalf of" the insured and must include a provision establishing the insurer's duty to defend. The policy retroactive date shall be on or before the effective date of this agreement.

Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with an A.M. Bests rating of A- or better and a minimum financial size VII.

General conditions pertaining to provision of insurance coverage by Consultant. Consultant and City agree to the following with respect to insurance provided by Consultant:

1. Consultant agrees to have its insurer endorse the third party general liability coverage required herein to include as additional insureds City, its officials, employees and agents, using standard ISO endorsement No. CG 2010 with an edition prior to 1992, or a City approved equivalent. Consultant also agrees to require all contractors, and subcontractors to do likewise.

2. No liability insurance coverage provided to comply with this Agreement shall prohibit Consultant, or Consultant's employees, or agents, from waiving the right of subrogation prior to a loss. Consultant agrees to waive subrogation rights against City regardless of the applicability of any insurance proceeds, and to require all contractors and subcontractors to do likewise.

3. All insurance coverage and limits provided by Consultant and available or applicable to this agreement are intended to apply to the full extent of the policies. Nothing contained in this Agreement

or any other agreement relating to the City or its operations limits the application of such insurance coverage.

4. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved of in writing.

5. Consultant's general liability policy shall not contain any provision or definition that would serve to eliminate so-called "third party action over" claims, including any exclusion for bodily injury to an employee of the insured or of any contractor or subcontractor.

6. All coverage types and limits required are subject to approval, reasonable modification and reasonable additional requirements by the City, as the need arises. Consultant shall not make any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discovery period) that may affect City's protection without City's prior written consent.

7. Proof of compliance with these insurance requirements, consisting of certificates of insurance evidencing all of the coverages required and an additional insured endorsement to Consultant's general liability policy, shall be delivered to City at or prior to the execution of this Agreement. In the event such proof of any insurance is not delivered as required, or in the event such insurance is canceled at any time and no replacement coverage is provided, City has the right, but not the duty, to obtain any insurance it deems necessary to protect its interests under this or any other agreement and to pay the premium. Any premium so paid by City shall be charged to and promptly paid by Consultant or deducted from sums due Consultant, at City option.

8. Certificate(s) are to reflect that the insurer will provide 30 days notice to City of any cancellation of coverage by the carrier.

9. It is acknowledged by the parties of this agreement that all insurance coverage required to be provided by Consultant or any subcontractor, is intended to apply first and on a primary, non-contributing basis in relation to any other insurance or self insurance available to City.

10. Consultant agrees to require that subcontractors, and any other party involved with the project who is brought onto or involved in the project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the project will be submitted to City for review.

11. If Consultant's existing coverage includes a deductible or self-insured retention, the deductible or self-insured retention must be declared to the City. At that time the City shall review options with the Consultant, which may include reduction or elimination of the deductible or self-insured retention, substitution of other coverage, or other solutions. Consultant shall be responsible for paying any deductibles or self-insured retentions on its policies.

12. The City reserves the right at any time during the term of the contract to change the amounts and types of insurance required by giving the Consultant ninety (90) days advance written notice of such change. If such change results in substantial additional cost to the Consultant, the City will negotiate additional compensation proportional to the increased benefit to City.

13. For purposes of applying insurance coverage only, this Agreement will be deemed to have been executed immediately upon any party hereto taking any steps that can be deemed to be in furtherance of or towards performance of this Agreement.

14. Consultant acknowledges and agrees that any actual or alleged failure on the part of City to inform Consultant of non-compliance with any insurance requirement in no way imposes any additional obligations on City nor does it waive any rights hereunder in this or any other regard.

15. Consultant will renew the required coverage annually as long as City, or its employees or agents face an exposure from operations of any type pursuant to this agreement. This obligation applies whether or not the agreement is canceled or terminated for any reason. Termination of this obligation is not effective until City executes a written statement to that effect.

16. Consultant shall provide proof that policies of insurance required herein expiring during the term of this Agreement have been renewed or replaced with other policies providing at least the same coverage. Proof that such coverage has been ordered shall be submitted prior to expiration. A coverage binder or letter from Consultant's insurance agent to this effect is acceptable. A certificate of insurance and/or additional insured endorsement as required in these specifications applicable to the renewing or new coverage must be provided to City within five days of the expiration of the coverages.

17. The provisions of any workers' compensation or similar act will not limit the obligations of Consultant under this agreement. Consultant expressly agrees not to use any statutory immunity defenses under such laws with respect to City, its employees, officials and agents.

18. Requirements of specific coverage features or limits contained in this section are not intended as limitations on coverage, limits or other requirements nor as a waiver of any coverage normally provided by any given policy. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue, and is not intended by any party or insured to be limiting or all-inclusive.

19. These insurance requirements are intended to be separate and distinct from any other provision in this agreement and are intended by the parties here to be interpreted as such.

20. The requirements in this Section supersede all other sections and provisions of this Agreement to the extent that any other section or provision conflicts with or impairs the provisions of this Section.

21. Consultant agrees to be responsible for ensuring that no contract used between itself and its sub-consultants reserves the right to charge City or Consultant for the cost of additional insurance coverage required by this agreement. Any such provisions are to be deleted with reference to City. It is not the intent of City to reimburse any third party for the cost of complying with these requirements. There shall be no recourse against City for payment of premiums or other amounts with respect thereto.

22. Consultant agrees to provide immediate notice to City of any claim or loss against Consultant arising out of the work performed under this agreement. City assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve City.

PROPOSAL FOR GEOTECHNICAL SERVICES

DATE
May 19, 2025

PROJECT NUMBER
GS00506-1

CLIENT
City of Solvang
Attn: Bridget Paris
411 Second Street
Solvang, CA 93463

PROJECT
Multi Purpose Trail
Fredensborg Canyon Road
between Chalk Hill Road
and Viborg Road,
Solvang, CA

1.0 INTRODUCTION

GeoSolutions, Inc. hereby presents this proposal to provide geotechnical services for the proposed Multi Purpose Trail to be located along Fredensborg Canyon Road between Chalk Hill Road and Viborg Road, in Solvang, California. The City of Solvang will hereafter be referred to as the client.

This proposal presents our project understanding, proposed scope of services, preliminary schedule and estimated costs associated with preparing a **Soils Engineering Report** for the project in accordance with the ~~2022~~ 2025 BP California Building Code (CBC), and/or industry standard practices.

2.0 PROJECT UNDERSTANDING

Our project understanding is based on information provided by the client, review of project plans, and a preliminary review of relevant geologic data available in the site vicinity. The proposed project consists of construction of a multi purpose trail along the southeastern side of Fredensborg Canyon Road between Chalk Hill Road and Viborg Road.

Our services have been requested to develop geotechnical information to be used for design of the trail and associated retaining walls.

3.0 SCOPE OF SERVICES

Based on our understanding of the project needs and site conditions, we propose the following scope of services to prepare a Soils Engineering Report.

3.1 Field Exploration

The proposed field exploration will consist of drilling seven exploratory borings. Three of the borings will be advanced to depths of 15 to 35 feet below the roadway surface using a subcontracted drill rig set up with a wireline rock coring system. These borings will be performed along the southeastern side of the roadway alignment between approximately Sta. 1+00 to Sta. 8+50.

The remaining four borings will be advanced to a depth of approximately 10 feet below the roadway surface, or to auger refusal, using an in-house drill rig and hollow stem augers. These borings will be performed along the southeastern side of the roadway alignment between approximately Sta. 10+25 to Sta. 22+50.

As access at the proposed wall locations is limited due to steep grades ascending from the roadway, the borings will be performed within the paved surface of Fredensborg Canyon Road. See Figure 1: Field Exploration for anticipated exploration locations. The anticipated depth of exploration is noted next to borings to be advanced using rock coring equipment. The actual exploration locations will be based on discussions with the project team, rig access, utility clearance, and our understanding of the field conditions.

220 High Street
San Luis Obispo CA 93401
805.543.8539

1021 Tama Lane, Suite 105
Santa Maria, CA 93455
805.614.6333

PO Box 30159
Santa Barbara, CA 93105
805.966.2200

info@geosolutions.net

sbinfo@geosolutions.net



Figure 1: Field Exploration

The exploratory borings will be used to determine relevant soil and rock properties to be used during design of the proposed improvements. The Project Engineer will observe the boring operations and record the sub-surface soils and/or rock conditions in Boring Logs. During the field exploration, soil sampling will be performed at approximately five-foot intervals. Rock coring will be sampled on a continuous basis. Bulk and relatively undisturbed soil/rock samples will be obtained in the field for classification and laboratory testing.

The borings will be backfilled with a sand-cement slurry and capped using rapid-set concrete.

GeoSolutions will provide traffic control during the field exploration. Traffic control will include preparation of a traffic control plan and two flaggers during drilling operations.

We assume that an encroachment permit for our field exploration will be provided by the Client.

Prior to the field exploration, pertinent published and unpublished geotechnical studies and literature of the subject project area will be reviewed under the direction of the Project Engineer and/or Engineering Geologist. A predrill site visit will be performed in order to mark for utility clearance (USA Dig Alert).

3.2 Laboratory Testing

Selected soil and/or rock samples that are representative of the subsurface conditions will be tested in our laboratory to determine relevant engineering properties. Anticipated testing for the project includes:

- Soil Classification (ASTM D2487)

- Liquid Limit, Plastic Limit, and Plasticity Index (ASTM D4318)
- Soil Particle Size Analysis (ASTM D422)
- Direct Shear (ASTM D3080)
- Laboratory Maximum Density (ASTM D1557)
- R-Value (ASTM D2844)
- Unconfined Uniaxial Compressive Strength Test of Intact Rock Cores (ASTM D7012)

3.3 Analysis and Report Preparation

Pertinent published and unpublished geotechnical studies and literature of the subject project area will be reviewed under the direction of the Project Engineer and/or engineering geologist. Geotechnical engineering analyses will be performed using the data obtained during our literature review, field exploration, and laboratory testing. The analyses will be used to help form our Soils Engineering Report for the project providing geotechnical information and/or recommendations pertaining to:

- Pile design (lateral earth pressures, allowable skin friction, etc.)
- Tie-backs (bond strength, effective depth, etc.)
- Location and depth to rock, if encountered
- Depth to groundwater, if encountered
- Conventional foundation design criteria
- Grading requirements
- Pavement design
- Drainage and erosion considerations
- Wall backfill procedures
- Seismic design considerations including structural design parameters and seismic lateral earth pressures. Recommended ground motion parameters for geotechnical design will be provided based on Caltrans web tool ARS Online per guidance by Caltrans provided in the document *Geotechnical Design Reports* dated February 2021.

** We assume a site-specific ground motion hazard analysis (GMHA) will not be required for the project. If a site-specific GMHA is required, additional fees will apply.*

A digital copy (pdf) of this report will be emailed to the client. Hard copies can be provided upon request.

4.0 SCHEDULE

Scheduling of proposed services will begin immediately upon receipt of the signed Agreement for Professional Services (attached). Please note this schedule is only approximate and is subject to change; weather and Site access can affect the scheduling of the field exploration.

- Field exploration: within approximately three to four weeks of receiving signed agreement.
    - Please note that delays in our ability to schedule the field exploration due to weather, permitting, etc. may cause a corresponding delay in the anticipated timeline for report publication.
- Laboratory testing: within approximately three to four weeks of field exploration.
- Report preparation: within approximately three weeks of laboratory testing.

The final report will be provided within approximately **nine to eleven weeks** of the field exploration.

To initiate the proposed services, please sign and return a copy of the included Agreement for Professional Services. Any alterations to the original Agreement for Professional Services may result in a delay of the proposed services or our inability to execute the proposed services.

5.0 FEE ESTIMATE

Our proposed geotechnical services include field exploration, laboratory testing, engineering analysis and report preparation. A breakdown of costs associated with our work scope is provided below. Our fees are charged as a flat rate based on the following breakdown for anticipated services. Rates for optional additional services are provided on the following page.

Soils Engineering Report

Preliminary Site Visit, Coordination, Utility Marking	$	1,000.00
Field Exploration	$	32,882.00
Traffic Control During Field Exploration	$	9,396.00
Laboratory Testing	$	3,550.00
Analysis and Report Preparation	$	4,000.00
TOTAL	**$**	**50,828.00**

We will not incur expenses exceeding **$50,828.00** without obtaining your prior authorization.

6.0 TERMINATION OF SERVICES

This contract may be terminated by either party. Any fees accrued by GeoSolutions, Inc. after receipt of the signed Agreement for Professional Services will be the responsibility of the client.

7.0 ADDITIONAL GEOTECHNICAL AND INSPECTION SERVICES

GeoSolutions, Inc. assumes that it may be retained to provide additional services during future phases of the proposed project. These services would be provided by GeoSolutions, Inc. as required by The City of Solvang, the 2022 CBC, and/or industry standard practices. These services would be in addition to those included in this document.

8.0 PROJECT CONSIDERATIONS

It is the responsibility of the client and/or the client representative to provide access to the project site for our testing equipment. The locating of any underground utility within the property limits is the responsibility of the client and/or the client representative. If the client/client representative is uncertain about the locations of underground utilities, a professional locating service should be contracted.

We will contact Underground Service Alert (USA) to locate utilities in the public right of away and exercise caution during field exploration. If paint is used to mark utility locations, GeoSolutions, Inc. will not remove paint marks. GeoSolutions, Inc. will not be liable for damage or injury arising from damage to existing utilities.

It should be noted when drilling on or near developed properties, we will attempt to minimize damage to the existing landscape, hardscape, and/or pavement areas. GeoSolutions, Inc. will not be liable for damage to existing landscape, hardscape, and pavements.

If available, topographic maps and a preliminary layout should be provided to us. Any change in the layout could necessitate additional work. Review of subsequent plan changes and/or other project requirements would be charged as additional cost in accordance with our fee schedule. We request that any previous geologic or geotechnical reports conducted for the site be submitted to us.

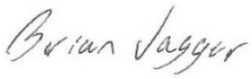
9.0 CLOSURE

This proposal, including, but not limited to, the terms of payment, proposed services, and schedule for proposed services, is valid for 90 days from the proposed date.

Discussion, consultation, meetings, additional fieldwork, design changes, plan review, or other services requested after the completion of the final report will be considered a separate element and billed on a "Time and Materials" basis in accordance with the current Fee Schedule.

We look forward to providing professional soils engineering services for your project. If you have any questions, please contact the undersigned at (805) 543-8539.

Sincerely,
GeoSolutions, Inc.



Brian Jagger
PE, C94946

Attachments: AGREEMENT FOR PROFESSIONAL SERVICES

CITY OF SOLVANG

Applicant/Interested Party Campaign Contribution Disclosure Form

1644 Oak Street | Solvang, CA 93463 | www.cityofsolvang.com | (805) 688-5575

APPLICANT/INTERESTED PARTY INFORMATION

Applicant Name: GeoSolutions, Inc.			
Phone: 805-543-8539		Email (required): bjagger@geosolutions.net	
Representative/Agent: Brian Jagger			
Phone: 805-674-2915		Email:	
Mailing Address: 220 High Street			
City: San Luis Obispo	State: CA	Zip: 93401	
Website: www.geosolutions.net			

Name and subject matter of applicant's proceeding:

Preparation and submittal of a soils engineering report for Fredensborg Canyon Rd Trail

CONTRIBUTION DISCLOSURE (GOVERNMENT CODE SECTION 84308)

Please list all contributions in excess of $250 (either as a single payment or in aggregate) made within the past 12 months to officers of the agency involved in the above-mentioned proceeding by any parties (applicants) or their agents or representatives, including corporations, limited liability companies (LLCs), or other business entities and principals thereof, that are affiliated with the above-referenced proceeding. You may attach additional pages as necessary to list contributions made to involved agency officers and provide additional information about the contributor's relationship with the recipient.

Contributor Name:

Date of Contribution	Recipient Office/Candidate	Contribution Amount ($):	Refund: Yes or No; Date of Refund.

☐ By checking this box I certify that I have not given any contributions consistent with Government Code Section 84308

ACKNOWLEDGEMENT

This form must be updated after each contribution, and no less than 45 days before any agency consideration regarding the above-referenced application. Completion of this form does not waive or in any way impact a party's obligation to disclose such contributions over $250 on the record of the proceeding pursuant to Government Code section 84308(e).

I declare under penalty of perjury that the information which has been included in this Disclosure Form is true and correct:

Signature: Brian Jagger Date: 6/9/25

Print Name: Brian Jagger

OFFICIAL USE ONLY	
File/Project No:	Date Received:

Roadrunner Management Services, Inc.
95 Dawson Drive
Camarillo, CA 93012
(805) 389-8196

Randy Murphy
City Manager
City of Solvang
411 Second St.
Solvang, CA. 93463

June 30, 2025

Subject: June 2025 Monthly Report

Dear Randy,

During the month of June, the On-Time Performance for the SYVT Fixed Route System was 96%, Los Olivos loop 100%, and the Dial-a-Ride Service had an On-Time Performance of 97.52%. As for the ridership, the Fixed Route had 3767 riders in the month of June with a total of 164 transfers, 81 bikes and 2 wheelchair lift assists. Los Olivos loop had 80 transfers, 48 bikes and 0 wheelchair lift assist. Dial-a-Ride had 118 Solvang passengers, 98 Buellton Passengers, and 27 County passengers totaling 243 passengers with 57 wheelchair lift assists.

In comparing prior month's ridership and year to year

SYVT Ridership		
	Fixed Route	**Dial-A-Ride**
May 2025	3665	214
June 2025	3767	243
June 2024	4215	204

There were no accidents in the month of June involving an SYVT vehicle. During the month we had 1 employee separation, and no new drivers were hired. Roadrunner Management Services emphasizes providing outstanding customer service along with safe and reliable transportation to the residents in the Santa Ynez Valley.

Sincerely,

Dominick Perez

General Manager
Roadrunner Management Services, Inc.

SYVT

Dial-A-Ride Data Analysis Report

Jun-25

30 Service Days

Ridership	Current Month	Current Quarter	FY 24-25
S-Cash	48	143	450
S-Ticket/Pass	47	139	542
S-Free	23	40	138
Solvang Passengers	118	322	1,130
S W/C Lift Deployment	31	63	253
B-Cash	14	37	213
B-Ticket/Pass	73	213	688
B-Free	11	24	99
Buellton Passengers	98	274	1,000
B W/C Lift Deployment	21	60	204
C-Cash	2	9	60
C-Ticket/Pass	23	66	199
C-Free	2	2	5
County Passengers	27	77	264
C W/C Lift Deployment	5	9	28
Ridership Totals			
Total Revenue Passengers	243	673	2,394
Total W/C Lift Deployment	57	132	485
Miles and Hours			
Total Billed Revenue Hours	210.82	610.97	2,446.32
Total Deadhead Hours	23.95	58.98	227.95
Total Hours	234.77	669.95	2,674.27
Total Revenue Miles	1,097	3,290	11,326
Total Deadhead Miles	283	758	2,964
Total Miles	1,380	4,048	14,290
SYVT DAR Performance Indicators			
DAR Passengers per RVS Mile	0.22	0.20	0.21
DAR Passengers per RVS Hour	1.15	1.10	0.98
On-Time Performance	97.52%	97.05%	97.55%

All Dial-A-Ride (Ridership Distribution Report) Jun-25

Week Start End	1 Jun-1 Jun-8	2 Jun-9 Jun-15	3 Jun-16 Jun-22	4 Jun-23 Jun-29	5 Jun-30 Jun-30			Total
Cash	20	12	15	16	1			64
Pass	37	31	36	37	2			143
Free	14	6	8	8	0			36
Passenger Totals	**71**	**49**	**59**	**61**	**3**			**243**
W/C Lift Deployments	15	11	15	16	0			**57**

Day	Mondays	Tuesdays	Wednesdays	Thursdays	Fridays	Saturdays	Sundays	Total
Cash	6	8	1	8	4	4	33	64
Pass	19	8	27	26	34	2	27	143
Free	0	2	2	4	0	0	28	36
Passenger Totals	**25**	**18**	**30**	**38**	**38**	**6**	**88**	**243**
W/C Lift Deployments	4	4	5	15	0	0	29	**57**

Cash	Pass	Free	Total	W/C Lift
26%	**59%**	**15%**	**100%**	**12%**

Dial-A-Ride Performance Indicators June 2025

Passengers Per RVS Mile	0.22
Passengers Per RVS Hour	1.15

Solvang Dial-A-Ride (Ridership Distribution Report)								Jun-25
Week **Start** **End**	**1** **Jun-1** **Jun-8**	**2** **Jun-9** **Jun-15**	**3** **Jun-16** **Jun-22**	**4** **Jun-23** **Jun-29**	**5** **Jun-30** **Jun-30**			**Total**
Cash	14	9	11	13	1			48
Pass	9	13	11	14	0			47
Free	7	5	5	6	0			23
Passenger Totals	**30**	**27**	**27**	**33**	**1**			**118**
W/C Lift Deployments	8	7	7	9	0			**31**

Day	**Mondays**	**Tuesdays**	**Wednesdays**	**Thursdays**	**Fridays**	**Saturdays**	**Sundays**	**Total**
Cash	6	7	1	5	4	4	21	48
Pass	7	5	9	10	14	1	1	47
Free	0	2	2	2	0	0	17	23
Passenger Totals	**13**	**14**	**12**	**17**	**18**	**5**	**39**	**118**
W/C Lift Deployments	3	3	2	8	0	0	15	**31**

Cash	Pass	Free	Total	W/C Lift
41%	**40%**	**19%**	**100%**	**13%**

Buellton Dial-A-Ride (Ridership Distribution Report)								Jun-25
Week Start End	**1 Jun-1 Jun-8**	**2 Jun-9 Jun-15**	**3 Jun-16 Jun-22**	**4 Jun-23 Jun-29**	**5 Jun-30 Jun-30**			**Total**
Cash	6	3	2	3	0			14
Pass	20	14	21	16	2			73
Free	6	1	2	2	0			11
Passenger Totals	**32**	**18**	**25**	**21**	**2**			**98**
W/C Lift Deployments	6	4	6	5	0			**21**

Day	**Mondays**	**Tuesdays**	**Wednesdays**	**Thursdays**	**Fridays**	**Saturdays**	**Sundays**	**Total**
Cash	0	1	0	1	0	0	12	14
Pass	9	3	12	13	15	1	20	73
Free	0	0	0	0	0	0	11	11
Passenger Totals	**9**	**4**	**12**	**14**	**15**	**1**	**43**	**98**
W/C Lift Deployments	0	1	2	4	0	0	14	**21**

Cash	Pass	Free	Total	W/C Lift
14%	**74%**	**11%**	**100%**	**11%**

County Dial-A-Ride (Ridership Distribution Report)								Jun-25

Week Start End	1 Jun-1 Jun-8	2 Jun-9 Jun-15	3 Jun-16 Jun-22	4 Jun-23 Jun-29	5 Jun-30 Jun-30			Total
Cash	0	0	2	0	0			2
Pass	8	4	4	7	0			23
Free	1	0	1	0	0			2
Passenger Totals	**9**	**4**	**7**	**7**	**0**			**27**
W/C Lift Deployments	1	0	2	2	0			**5**

Day	Mondays	Tuesdays	Wednesdays	Thursdays	Fridays	Saturdays	Sundays	Total
Cash	0	0	0	2	0	0	0	2
Pass	3	0	6	3	5	0	6	23
Free	0	0	0	2	0	0	0	2
Passenger Totals	**3**	**0**	**6**	**7**	**5**	**0**	**6**	**27**
W/C Lift Deployments	1	0	1	3	0	0	0	**5**

Cash	Pass	Free	Total	W/C Lift
7%	**85%**	**7%**	**100%**	**9%**

SYVT Dial-A-Ride (Miles and Hours Report)

Jun-25

Dial-A-Ride

Week Start End	1 Jun-1 Jun-8	2 Jun-9 Jun-15	3 Jun-16 Jun-22	4 Jun-23 Jun-29	5 Jun-30 Jun-30			Total
Service Days	8	7	7	7	1			30
Average Revenue Vehicle Service Hours	7.04	7.01	7.07	7.00	7.00			7.03
Billed Revenue Vehicle Service Hours	56.30	49.05	49.47	49.00	7.00			210.82
Deadhead Hours	4.67	6.52	6.30	5.50	0.97			23.95
Total Vehicle Hours	60.97	55.57	55.77	54.50	7.97			234.77
Average Revenue Vehicle Service Miles	43	30	45	31	9			37
Billed Revenue Vehicle Service Miles	345	211	313	219	9			1,097
Deadhead Miles	73	72	67	54	17			283
Total Vehicle Miles	418	283	380	273	26			1,380

Day	Mondays	Tuesdays	Wednesdays	Thursdays	Fridays	Saturdays	Sundays	Total
Service Days	5	5	4	4	4	4	4	30
Average Revenue Vehicle Service Hours	7.00	5.60	7.00	7.12	7.05	7.00	8.79	7.03
Billed Revenue Vehicle Service Hours	35.00	28.00	28.00	28.47	28.20	28.00	35.15	210.82
Deadhead Hours	5.27	3.42	2.42	3.88	3.05	2.57	3.35	23.95
Total Vehicle Hours	40.27	31.42	30.42	32.35	31.25	30.57	38.50	234.77
Average Revenue Vehicle Service Miles	25	13	40	54	47	6	83	37
Billed Revenue Vehicle Service Miles	123	63	158	214	187	22	330	1,097
Deadhead Miles	62	22	40	41	45	24	49	283
Total Vehicle Miles	185	85	198	255	232	46	379	1,380

Monthly Totals	DAR
Revenue Hours	210.82
Per Hour Cost	$50.83
Total Cost this Month	$10,715.98
Fare Box Revenue	$179.25
Farebox Recovery Ratio	1.67%

SYVT Dial-A-Ride (Revenue Report) Jun-25

Pass Sales + Fares

Week	Week Ending	DAR Passes - Ticket Sales	DAR Fares Cash Collected	**Total Collected/ Actual Bank Deposits**	Projected DAR Fares Cash	Projected Cash v. Actual Cash Variance
1	June 8	$0.00	$44.25	**$44.25**	$42.00	$2.25
2	June 15	$17.50	$21.25	**$38.75**	$23.50	-$2.25
3	June 22	$17.50	$29.25	**$46.75**	$29.25	$0.00
4	June 29	$17.50	$30.25	**$47.75**	$32.00	-$1.75
5	June 30	$0.00	$1.75	**$1.75**	$1.75	$0.00
	Totals	$52.50	$126.75	**$179.25**	$128.50	-$1.75

Jun 2025	DAR Passes - Ticket Sales	DAR Fares Cash Collected	Total
DAR Revenue	29%	71%	100%

Projected DAR Fares				Jun-25
	Week Ending	**Mon -Sat Senior/ADA Cash**	**Sun General Cash**	**Total Projected**
1	June 8			
Passengers		6	14	20
Fare Value		$1.75	$2.25	
Projected Deposit		$10.50	$31.50	$42.00
2	June 15			
Passengers		7	5	12
Fare Value		$1.75	$2.25	
Projected Deposit		$12.25	$11.25	$23.50
3	June 22			
Passengers		9	6	15
Fare Value		$1.75	$2.25	
Projected Deposit		$15.75	$13.50	$29.25
4	June 29			
Passengers		8	8	16
Fare Value		$1.75	$2.25	
Projected Deposit		$14.00	$18.00	$32.00
5	June 30			
Passengers		1	0	1
Fare Value		$1.75	$2.25	
Projected Deposit		$1.75	$0.00	$1.75
Totals		$54.25	$74.25	**$128.50**

Ridership/Fare Break-Up				
	Cash	Pass-Tickets	Free	Total
DAR Passenger Counts	64	143	36	243
% Ridership	26%	59%	15%	100%

Projected Farebox Recovery	
Revenue Vehicle Hours	210.82
Per Revenue Vehicle Hour Cost	$50.83
Total Cost This Month	$10,715.98
Projected Cash Fare Deposits	$128.50
Projected DAR Pass/Tickets	$250.25
Projected Farebox Recovery Ratio	**3.53%**

Santa Ynez Valley TRANSIT
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Fixed Route Data Analysis Report						
Jun-25						
25 Service Days						
				ALL FIXED ROUTES TOTAL		
Ridership Totals	EXPRESS		LOS OLIVOS LOOP	Current Month	Current QTR	FY YTD
General Fare Cash	1,078		205	1,283	3,992	16,425
Senior Cash	703		130	833	2,375	9,286
ADA Certified Cash	547		21	568	1,812	7,827
Pass Adult	224		17	241	732	2,608
Pass Senior / ADA Cert	135		11	146	467	1,930
Monthly Pass Reg	74		7	81	329	818
Monthly Pass Snr	125		11	136	517	1,747
Monthly Pass ADA	107		39	146	461	1,786
NEW Summer Youth Pass	1		0	1	1	1
Transfers	164		80	244	714	3,073
Free < 5	79		9	88	167	604
Free PA	0		0	0	0	3
Passengers	**3,237**		**530**	**3,767**	**11,567**	**46,108**
Bikes	81		48	129	379	1624
Lifts	0		0	0	10	42
W/C	2		0	2	2	33
Accessibile Service	2		0	2	12	75
Miles and Hours						
Total Billed RVSH	608.13		222.82	830.95	2,531.75	9,866.66
Total Non-Revenue Hours	50.18		45.87	96	303	1,238
Total Hours	658.32		268.68	927.00	2,834.45	11,104.64
Total Revenue Miles	9,096		3,408	12,504	38,777	160,847
Total Non-Revenue Miles	130		98	228	710	2,879
Total Miles	9,226		3,506	12,732	39,487	163726
Performance Indicators						
Passengers per RVS Mile	0.36		0.16	0.30	0.30	0.29
Passengers per RVS Hour	5.32		2.38	4.53	4.57	4.67
On-Time Performance	96%		100%	98%	98%	98%
Fares	EXP Cash		LOL Cash	Total On Route	Pass Sales	Total Revenue
June 2025	$3,051.28		$563.88	$3,615.16	$402.50	$4,017.66

Ridership Distribution Report - All Routes (Express / Los Olivos Loop)							Jun-25
Week **Start** **End**	**1** **Jun 1** **Jun 8**	**2** **Jun 9** **Jun 15**	**3** **Jun 16** **Jun 22**	**4** **Jun23** **Jun 29**	**5** **Jun 30** **Jun 30**		**All** **Service** **Total**
General Fare Cash	333	318	320	281	31		1,283
Senior Cash	171	211	200	218	33		833
ADA Certified Cash	156	127	138	128	19		568
Pass Adult	55	55	60	62	9		241
Pass Senior / ADA Cert	48	23	37	33	5		146
Monthly Pass Reg	24	25	18	13	1		81
Monthly Pass Snr	31	38	27	35	5		136
Monthly Pass ADA	37	44	23	39	3		146
NEW Summer Youth Pass	0	0	0	1	0		1
Transfers	63	50	61	62	8		244
Free < 5	17	17	21	30	3		88
Free PA	0	0	0	0	0		0
Passenger Totals	**935**	**908**	**905**	**902**	**117**		**3,767**
Bikes	33	35	26	31	4		**129**
Lifts	0	0	0	0	0		0
W/C	0	0	1	1	0		2
Accessible Service	**0**	**0**	**1**	**1**	**0**		**2**
Service Days	6	6	6	6	1		25
Average Revenue Vehicle Service Hours	33.46	33.48	33.49	32.84	31.38		33.24
Billed Revenue Vehicle Service Hours	200.76	200.88	200.91	197.01	31.38		830.95
Deadhead Hours	22.75	22.78	22.85	23.73	3.93		96.05
Total Vehicle Hours	223.51	223.66	223.76	220.75	35.31		927.00
Average Revenue Vehicle Service Miles	524	500	530	470	362		500
Billed Revenue Vehicle Service Miles	3142	2999	3180	2821	362		12,504
Deadhead Miles	62	52	59	46	9		228
Total Vehicle Miles	3,204	3,051	3,239	2,867	371		12,732

Day	**Mondays**	**Tuesdays**	**Wednesdays**	**Thursdays**	**Fridays**	**Saturdays**	**Total**
General Fare Cash	198	225	246	212	188	214	1,283
Senior Cash	184	134	157	118	148	92	833
ADA Certified Cash	116	102	120	65	109	56	568
Pass Adult	51	47	39	31	45	28	241
Pass Senior / ADA Cert	29	25	33	13	22	24	146
Monthly Pass Reg	19	15	11	17	13	6	81
Monthly Pass Snr	29	26	24	21	19	17	136
Monthly Pass ADA	26	16	31	24	24	25	146
NEW Summer Youth Pass	0	1	0	0	0	0	1
Transfers	48	39	46	37	41	33	244
Free < 5	19	11	20	17	9	12	88
Free PA	0	0	0	0	0	0	0
Passenger Totals	**719**	**641**	**727**	**555**	**618**	**507**	**3,767**
Bikes	24	14	29	22	24	16	**129**
Lifts	0	0	0	0	0	0	0
W/C	0	0	1	1	0	0	2
Accessible Service	**0**	**0**	**1**	**1**	**0**	**0**	**2**
Service Days	5	4	4	4	4	4	25
Average Revenue Vehicle Service Hours	33.04	33.50	33.44	33.50	33.40	32.60	33.24
Billed Revenue Vehicle Service Hours	165.20	133.99	133.75	134.00	133.60	130.40	830.95
Deadhead Hours	20.42	15.43	15.08	15.23	15.03	14.85	96.05
Total Vehicle Hours	185.62	149.42	148.84	149.24	148.64	145.25	927.00
Average Revenue Vehicle Service Miles	484	529	492	515	529	457	500
Billed Revenue Vehicle Service Miles	2420	2115	1968	2059	2114	1828	12,504
Deadhead Miles	48	38	35	42	34	31	228
Total Vehicle Miles	2,468	2,153	2,003	2,101	2,148	1,859	12,732

Ridership Distribution Report - Express Routes AM/PM							Jun-25
Week **Start** **End**	**1** **Jun 1** **Jun 8**	**2** **Jun 9** **Jun 15**	**3** **Jun 16** **Jun 22**	**4** **Jun23** **Jun 29**	**5** **Jun 30** **Jun 30**		**Express** **Service** **Total**
General Fare Cash	285	266	255	242	30		1,078
Senior Cash	140	175	168	190	30		703
ADA Certified Cash	153	119	130	127	18		547
Pass Adult	53	52	56	55	8		224
Pass Senior / ADA Cert	45	20	36	29	5		135
Monthly Pass Reg	22	24	16	12	0		74
Monthly Pass Snr	30	33	25	32	5		125
Monthly Pass ADA	27	33	14	30	3		107
NEW Summer Youth Pass	0	0	0	1	0		1
Transfers	44	34	43	38	5		164
Free < 5	14	17	16	29	3		79
Free PA	0	0	0	0	0		0
Passenger Totals	**813**	**773**	**759**	**785**	**107**		**3,237**
Bikes	23	20	16	19	3		**81**
Lifts	0	0	0	0	0		0
W/C	0	0	1	1	0		2
Accessible Service	**0**	**0**	**1**	**1**	**0**		**2**
Service Days	6	6	6	6	1		25
Average Revenue Vehicle Service Hours	24.40	24.41	24.38	24.43	22.39		24.33
Billed Revenue Vehicle Service Hours	146.42	146.44	146.27	146.61	22.39		608.13
Deadhead Hours	11.67	11.60	11.77	12.82	2.33		50.18
Total Vehicle Hours	158.09	158.04	158.04	159.42	24.72		658.32
Average Revenue Vehicle Service Miles	382	357	389	337	306		364
Billed Revenue Vehicle Service Miles	2293	2142	2334	2021	306		9,096
Deadhead Miles	38	29	35	23	5		130
Total Vehicle Miles	2,331	2,171	2,369	2,044	311		9,226

Day	**Mondays**	**Tuesdays**	**Wednesdays**	**Thursdays**	**Fridays**	**Saturdays**	**Total**
General Fare Cash	170	184	205	183	150	186	1,078
Senior Cash	161	113	127	97	121	84	703
ADA Certified Cash	114	100	109	63	106	55	547
Pass Adult	48	45	34	31	42	24	224
Pass Senior / ADA Cert	28	24	30	13	21	19	135
Monthly Pass Reg	18	13	11	15	12	5	74
Monthly Pass Snr	28	25	23	21	19	9	125
Monthly Pass ADA	21	10	23	17	17	19	107
NEW Summer Youth Pass	0	1	0	0	0	0	1
Transfers	29	33	28	25	25	24	164
Free < 5	16	9	18	17	7	12	79
Free PA	0	0	0	0	0	0	0
Passenger Totals	**633**	**557**	**608**	**482**	**520**	**437**	**3,237**
Bikes	14	10	20	13	15	9	**81**
Lifts	0	0	0	0	0	0	0
W/C	0	0	1	1	0	0	2
Accessible Service	**0**	**0**	**1**	**1**	**0**	**0**	**2**
Service Days	5	4	4	4	4	4	25
Average Revenue Vehicle Service Hours	23.99	24.40	24.38	24.41	24.32	24.54	24.33
Billed Revenue Vehicle Service Hours	119.97	97.59	97.51	97.63	97.28	98.16	608.13
Deadhead Hours	11.15	8.17	7.57	8.18	7.63	7.48	50.18
Total Vehicle Hours	131.12	105.76	105.08	105.81	104.91	105.64	658.32
Average Revenue Vehicle Service Miles	360	388	347	373	387	330	364
Billed Revenue Vehicle Service Miles	1798	1552	1388	1491	1546	1321	9,096
Deadhead Miles	26	21	21	27	18	17	130
Total Vehicle Miles	1,824	1,573	1,409	1,518	1,564	1,338	9,226

Boarding Cities Ridership Distribution Report - EXPRESS Jun-25

Week	1			2			3			4			5						EXPRESS			Service
Start	Jun 1			Jun 9			Jun 16			Jun 23			Jun 30									
End	Jun 8			Jun 15			Jun 22			Jun 29			Jun 30									
Express	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**				**Buellton Total**	**Solvang Total**	**County Total**	**Total**
General Fare Cash	114	137	34	101	121	44	89	131	35	101	108	33	16	9	5				421	506	151	1078
Senior Cash	49	68	23	70	77	28	60	72	36	63	99	28	9	12	9				251	328	124	703
ADA Certified Cash	66	71	16	59	52	8	44	72	14	49	73	5	6	12	0				224	280	43	547
Pass Adult	19	32	2	16	32	4	17	32	7	16	31	8	4	4	0				72	131	21	224
Pass Senior / ADA Cert	20	16	9	5	9	6	11	15	10	8	13	8	3	0	2				47	53	35	135
Monthly Pass Reg	6	13	3	8	14	2	5	11	0	3	8	1	0	0	0				22	46	6	74
Monthly Pass Snr	4	17	9	6	17	10	2	15	8	11	19	2	0	3	2				23	71	31	125
Monthly Pass ADA	11	14	2	14	18	1	7	7	0	12	17	1	1	2	0				45	58	4	107
NEW Summer Youth Pass	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0				0	1	0	1
Transfers	1	43	0	0	34	0	0	43	0	0	38	0	0	5	0				1	163	0	164
Free < 5	11	3	0	10	7	0	8	8	0	9	20	0	2	1	0				40	39	0	79
Free PA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0
Passenger Totals	**301**	**414**	**98**	**289**	**381**	**103**	**243**	**406**	**110**	**272**	**427**	**86**	**41**	**48**	**18**				**1146**	**1676**	**415**	**3,237**
Bikes	8	10	5	6	10	4	6	7	3	6	9	4	1	1	1				27	37	17	**81**
Lifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0
W/C	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0				0	2	0	2
Accessible Service	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**				**0**	**2**	**0**	**2**

Day	Mondays			Tuesdays			Wednesdays			Thursdays			Fridays			Saturdays			Buellton	Solvang	County	
	Buellton	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Buellton**	**Solvang**	**County**	**Total**	**Total**	**Total**	**Total**
General Fare Cash	69	80	21	75	75	34	73	101	31	66	92	25	58	75	17	80	83	23	421	506	151	1078
Senior Cash	64	69	28	36	57	20	42	61	24	32	43	22	42	63	16	35	35	14	251	328	124	703
ADA Certified Cash	38	68	8	50	37	13	43	57	9	31	25	7	41	61	4	21	32	2	224	280	43	547
Pass Adult	18	22	8	17	26	2	11	22	1	9	17	5	11	28	3	6	16	2	72	131	21	224
Pass Senior / ADA Cert	10	9	9	12	5	7	10	13	7	6	5	2	6	12	3	3	9	7	47	53	35	135
Monthly Pass Reg	3	12	3	4	8	1	5	5	1	6	9	0	3	8	1	1	4	0	22	46	6	74
Monthly Pass Snr	6	16	6	4	16	5	5	10	8	4	11	6	3	11	5	1	7	1	23	71	31	125
Monthly Pass ADA	7	12	2	4	6	0	12	10	1	8	9	0	7	9	1	7	12	0	45	58	4	107
NEW Summer Youth Pass	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Transfers	0	29	0	0	33	0	0	28	0	0	25	0	0	25	0	1	23	0	1	163	0	164
Free < 5	9	7	0	6	3	0	8	10	0	10	7	0	3	4	0	4	8	0	40	39	0	79
Free PA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Passenger Totals	**224**	**324**	**85**	**208**	**267**	**82**	**209**	**317**	**82**	**172**	**243**	**67**	**174**	**296**	**50**	**159**	**229**	**49**	**1146**	**1676**	**415**	**3,237**
Bikes	4	6	4	3	6	1	9	6	5	4	5	4	3	9	3	4	5	0	27	37	17	**81**
Lifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W/C	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	2
Accessible Service	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**2**

SYVT Express Routes (Recovery Ratio)

Jun-25

Express Fares	
Monthly Totals	
Revenue Hours	608.13
Per Hour Cost	$ 50.83
Total Cost this Month	$ 30,911.25
Express Revenue	$ 3,453.78
Actual Recovery Ratio	11.17%

SYVT Express Routes (Revenue Report)

Projected Fares + Pass Sales

WK	Ending	Pass Sales	Farebox Cash Fares	Total	Projected Total Cash Fares (based on ridership)	Variance Cash Projected v. Actual
1	8-Jun	$187.50	$759.81	$947.31	$717.25	$42.56
2	15-Jun	$50.00	$739.65	$789.65	$707.00	$32.65
3	22-Jun	$115.00	$719.63	$834.63	$690.00	$29.63
4	29-Jun	$50.00	$726.26	$776.26	$695.75	$30.51
5	30-Jun	$0.00	$105.93	$105.93	$96.00	$9.93
	Totals	**$402.50**	**$3,051.28**	**$3,453.78**	$2,906.00	$145.28

Ridership Distribution Report - Los Olivos Loop							Jun-25
Week **Start** **End**	**1** **Jun 1** **Jun 8**	**2** **Jun 9** **Jun 15**	**3** **Jun 16** **Jun 22**	**4** **Jun23** **Jun 29**	**5** **Jun 30** **Jun 30**		**Express** **Service** **Total**
General Fare Cash	48	52	65	39	1		205
Senior Cash	31	36	32	28	3		130
ADA Certified Cash	3	8	8	1	1		21
Pass Adult	2	3	4	7	1		17
Pass Senior / ADA Cert	3	3	1	4	0		11
Monthly Pass Reg	2	1	2	1	1		7
Monthly Pass Snr	1	5	2	3	0		11
Monthly Pass ADA	10	11	9	9	0		39
NEW Summer Youth Pass	0	0	0	0	0		0
Transfers	19	16	18	24	3		80
Free < 5	3	0	5	1	0		9
Free PA	0	0	0	0	0		0
Passenger Totals	**122**	**135**	**146**	**117**	**10**		**530**
Bikes	10	15	10	12	1		**48**
Lifts	0	0	0	0	0		0
W/C	0	0	0	0	0		0
Accessible Service	**0**	**0**	**0**	**0**	**0**		**0**
Service Days	6	6	6	6	1		25
Average Revenue Vehicle Service Hours	9.06	9.07	9.11	8.40	8.99		8.91
Billed Revenue Vehicle Service Hours	54.34	54.44	54.64	50.41	8.99		222.82
Deadhead Hours	11.08	11.18	11.08	10.92	1.60		45.87
Total Vehicle Hours	65.42	65.62	65.72	61.32	10.59		268.68
Average Revenue Vehicle Service Miles	142	143	141	133	56		136
Billed Revenue Vehicle Service Miles	849	857	846	800	56		3,408
Deadhead Miles	24	23	24	23	4		98
Total Vehicle Miles	873	880	870	823	60		3,506

Day	**Mondays**	**Tuesdays**	**Wednesdays**	**Thursdays**	**Fridays**	**Saturdays**	**Total**
General Fare Cash	28	41	41	29	38	28	205
Senior Cash	23	21	30	21	27	8	130
ADA Certified Cash	2	2	11	2	3	1	21
Pass Adult	3	2	5	0	3	4	17
Pass Senior / ADA Cert	1	1	3	0	1	5	11
Monthly Pass Reg	1	2	0	2	1	1	7
Monthly Pass Snr	1	1	1	0	0	8	11
Monthly Pass ADA	5	6	8	7	7	6	39
NEW Summer Youth Pass	0	0	0	0	0	0	0
Transfers	19	6	18	12	16	9	80
Free < 5	3	2	2	0	2	0	9
Free PA	0	0	0	0	0	0	0
Passenger Totals	**86**	**84**	**119**	**73**	**98**	**70**	**530**
Bikes	10	4	9	9	9	7	**48**
Lifts	0	0	0	0	0	0	0
W/C	0	0	0	0	0	0	0
Accessible Service	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Service Days	5	4	4	4	4	4	25
Average Revenue Vehicle Service Hours	9.05	9.10	9.06	9.09	9.08	8.06	8.91
Billed Revenue Vehicle Service Hours	45.23	36.39	36.24	36.38	36.33	32.24	222.82
Deadhead Hours	9.27	7.27	7.52	7.05	7.40	7.37	45.87
Total Vehicle Hours	54.50	43.66	43.76	43.43	43.73	39.61	268.68
Average Revenue Vehicle Service Miles	124	141	145	142	142	127	136
Billed Revenue Vehicle Service Miles	622	563	580	568	568	507	3,408
Deadhead Miles	22	17	14	15	16	14	98
Total Vehicle Miles	644	580	594	583	584	521	3,506

Boarding Cities Ridership Distribution Report - LOS OLIVOS EXPRESS Jun-25

Week	1			2			3			4			5						LOS OLIVOS EXPRESS			Service
Start	Jun 1			Jun 9			Jun 16			Jun 23			Jun 30									
End	Jun 8			Jun 15			Jun 22			Jun 29			Jun 30									
Express	Buellton	Solvang	County	Buellton	Solvang	County	Buellton	Solvang	County	Buellton	Solvang	County	Buellton	Solvang	County				Buellton Total	Solvang Total	County Total	Total
General Fare Cash	0	21	27	0	24	28	0	28	37	0	18	21	0	1	0				0	92	113	205
Senior Cash	0	12	19	0	16	20	0	18	14	0	9	19	0	1	2				0	56	74	130
ADA Certified Cash	0	2	1	0	6	2	0	1	7	0	1	0	0	1	0				0	11	10	21
Pass Adult	0	1	1	0	2	1	0	4	0	0	2	5	0	1	0				0	10	7	17
Pass Senior / ADA Cert	0	0	3	0	2	1	0	1	0	0	1	3	0	0	0				0	4	7	11
Monthly Pass Reg	0	2	0	0	1	0	0	0	2	0	1	0	0	1	0				0	5	2	7
Monthly Pass Snr	0	1	0	0	2	3	0	1	1	0	0	3	0	0	0				0	4	7	11
Monthly Pass ADA	0	4	6	0	4	7	0	4	5	0	4	5	0	0	0				0	16	23	39
NEW Summer Youth Pass	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0
Transfers	0	19	0	0	16	0	0	18	0	0	24	0	0	3	0				0	80	0	80
Free < 5	0	1	2	0	0	0	0	1	4	0	0	1	0	0	0				0	2	7	9
Free PA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0
Passenger Totals	**0**	**63**	**59**	**0**	**73**	**62**	**0**	**76**	**70**	**0**	**60**	**57**	**0**	**8**	**2**				**0**	**280**	**250**	**530**
Bikes	0	6	4	0	10	5	0	7	3	0	8	4	0	0	1				0	31	17	**48**
Lifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0
W/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0	0	0
Accessible Service	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**				**0**	**0**	**0**	**0**

Day	Mondays			Tuesdays			Wednesdays			Thursdays			Fridays			Saturdays			Buellton	Solvang	County	
	Buellton	Solvang	County	Buellton	Solvang	County	Buellton	Solvang	County	Buellton	Solvang	County	Buellton	Solvang	County	Buellton	Solvang	County	Total	Total	Total	Total
General Fare Cash	0	16	12	0	20	21	0	13	28	0	13	16	0	19	19	0	11	17	0	92	113	205
Senior Cash	0	8	15	0	10	11	0	13	17	0	9	12	0	12	15	0	4	4	0	56	74	130
ADA Certified Cash	0	2	0	0	1	1	0	6	5	0	1	1	0	1	2	0	0	1	0	11	10	21
Pass Adult	0	3	0	0	2	0	0	3	2	0	0	0	0	1	2	0	1	3	0	10	7	17
Pass Senior / ADA Cert	0	0	1	0	0	1	0	2	1	0	0	0	0	0	1	0	2	3	0	4	7	11
Monthly Pass Reg	0	1	0	0	2	0	0	0	0	0	1	1	0	0	1	0	1	0	0	5	2	7
Monthly Pass Snr	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	3	5	0	4	7	11
Monthly Pass ADA	0	1	4	0	3	3	0	4	4	0	3	4	0	3	4	0	2	4	0	16	23	39
NEW Summer Youth Pass	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers	0	19	0	0	6	0	0	18	0	0	12	0	0	16	0	0	9	0	0	80	0	80
Free < 5	0	0	3	0	0	2	0	2	0	0	0	0	0	0	2	0	0	0	0	2	7	9
Free PA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Passenger Totals	**0**	**50**	**36**	**0**	**44**	**40**	**0**	**62**	**57**	**0**	**39**	**34**	**0**	**52**	**46**	**0**	**33**	**37**	**0**	**280**	**250**	**530**
Bikes	0	6	4	0	4	0	0	4	5	0	5	4	0	6	3	0	6	1	0	31	17	**48**
Lifts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W/C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accessible Service	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SYVT Los Olivos Loop Routes (Recovery Ratio)

Jun-25

Express Fares	
Monthly Totals	
Revenue Hours	222.82
Per Hour Cost	$ 50.83
Total Cost this Month	$ 11,325.94
Express Revenue	$ 563.88
Actual Recovery Ratio	4.98%

SYVT Los Olivos Loop Routes (Revenue Report)

Projected Fares + Pass Sales

WK	Ending		Farebox Cash Fares	Total	Projected Total Cash Fares (based on ridership)	Variance Cash Projected v. Actual
1	8-Jun		$132.45	$132.45	$113.00	$19.45
2	15-Jun		$142.15	$142.15	$129.00	$13.15
3	22-Jun		$169.90	$169.90	$143.50	$26.40
4	29-Jun		$111.63	$111.63	$94.25	$17.38
5	30-Jun		$7.75	$7.75	$6.00	$1.75
	Totals		**$563.88**	**$563.88**	$485.75	$78.13

Express Route AM	6:30-7:30	7:30-8:30	8:30-9:30	9:30-10:30	10:30-11:30	11:30-12:30	Total
Passengers	365	252	297	1	351	332	1598

Express Route PM	12:30-13:30	13:30-14:30	14:30-15:30	15:30-16:30	16:30-17:30	17:30-18:30	18:30-19:00	Total
Passengers	303	243	435	222	194	166	76	1639

LOL	7:00	8:00	9:00	11:00	12:00	14:30	15:30	17:30	Total
Passengers	60	103	41	49	59	65	0	153	530

Total
3767

Santa Barbara County Fire Department

4410 Cathedral Oaks Road, Santa Barbara, CA 93110
805-681-5500

Solvang - Incidents by Unit and District (Scheduled Quarterly)

Incident District/Zone	Total Incidents
Apparatus ID: E330	
24	1
30	2
38	7
	Total: 10
Apparatus ID: ME30	
	1
13	1
24	2
30	193
31	27
32	41
34	2
LMP - Lompoc City	2
	Total: 269
Apparatus ID: MT30	
24	1
30	1
32	3
38	1
SMR - Santa Maria City	1
	Total: 7
	Total: 286

Report Criteria

Apparatus: Is In E230, E30, E330, ME30, MT30, T30

Basic Incident Date Original (Fd1.3): Is Equal To Last Quarter

Description

Solvang - Incidents by Unit and District

Santa Barbara County Fire Department

4410 Cathedral Oaks Road, Santa Barbara, CA 93110

805-681-5500

Solvang - Response Time Report sorted by Date_Time (Scheduled Quarterly)

Basic Incident Alarm Date Time (FD1.26)	Incident Primary Station (FD1.4)	Incident District/Zone	Fire Incident Type	Response Mode To Scene	Response Time
04/01/2025 05:56:44	30	30	Fire, other	Emergency	-0:05:53
04/01/2025 03:57:40	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:52
04/01/2025 10:37:33	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:21
04/01/2025 23:01:39	30	30	Dispatched and cancelled en route	Emergency	
04/02/2025 19:39:02	30	30	Assist invalid	Emergency	-0:04:19
04/04/2025 14:15:44	31	30	No incident found on arrival at dispatch address	Emergency	-0:10:29
04/04/2025 21:59:51	30	30	No incident found on arrival at dispatch address	Non-Emergency	-0:05:07
04/05/2025 14:24:51	31	30	False alarm or false call, other	Non-Emergency	-0:03:20
04/05/2025 20:35:45	30	30	Dispatched and cancelled en route	Emergency	-0:07:15
04/06/2025 17:42:21	30	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:04:13
04/07/2025 01:14:14	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:28
04/07/2025 08:25:45	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:50
04/07/2025 12:22:56	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:11
04/07/2025 13:59:50	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:01
04/07/2025 15:43:00	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:03
04/07/2025 16:10:52	30	30	Dispatched and cancelled en route	Emergency	
04/08/2025 01:38:13	30	30	Assist invalid	Non-Emergency	-0:09:37
04/08/2025 04:16:01	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:49
04/08/2025 12:24:50	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:02:13
04/08/2025 12:24:03	31	30	Sprinkler activation, no fire - unintentional	Emergency	-0:02:39
04/09/2025 05:52:13	30	30	Public service assistance, other	Non-Emergency	-0:08:38
04/09/2025 11:43:24	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:02:31
04/09/2025 22:22:23	30	30	False alarm or false call, other	Emergency	-0:10:19
04/10/2025 09:11:22	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:09:12
04/10/2025 09:46:33	30	30	Electrical wiring/equipment problem, other	Emergency, Downgraded to Non-Emergency	-0:08:33
04/10/2025 11:26:32	30	30	Public service assistance, other	Emergency	-0:01:32
04/10/2025 18:48:26	30	30	Motor vehicle accident with no injuries.	Emergency	-0:03:43
04/11/2025 19:59:26	30	30	Defective elevator, no occupants	Non-Emergency	-0:05:09
04/12/2025 06:22:24	30	30	Dispatched and cancelled en route	Emergency	
04/12/2025 16:36:34	30	30	Public service assistance, other	Non-Emergency	-0:05:23
04/12/2025 19:54:01	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:17
04/13/2025 02:19:07	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:41
04/13/2025 05:54:52	30	30	EMS call, excluding vehicle	Emergency	-0:04:34

Basic Incident Alarm Date Time (FD1.26)	Incident Primary Station (FD1.4)	Incident District/Zone	Fire Incident Type	Response Mode To Scene	Response Time
			accident with injury		
04/13/2025 06:01:49	30	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:08:12
04/13/2025 23:52:59	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:04
04/13/2025 23:20:15	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:05:56
04/13/2025 23:12:20	30	30	Dispatched and cancelled en route	Emergency, Downgraded to Non-Emergency	
04/13/2025 16:05:56	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:10:17
04/14/2025 09:45:57	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:09:59
04/14/2025 14:28:04	30	30	Smoke scare, odor of smoke	Non-Emergency	0:00:00
04/14/2025 01:43:26	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:16
04/16/2025 07:39:36	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:16:20
04/16/2025 19:56:50	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:51
04/17/2025 13:21:00	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:47
04/17/2025 18:55:29	30	30	Dispatched and cancelled en route	Emergency, Downgraded to Non-Emergency	-0:04:31
04/18/2025 15:58:17	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:11:33
04/18/2025 16:33:47	30	30	Smoke scare, odor of smoke	Non-Emergency	0:00:00
04/19/2025 01:29:09	30	30	Public service assistance, other	Non-Emergency	-0:07:09
04/19/2025 08:53:45	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:24
04/19/2025 14:43:04	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:10:26
04/19/2025 15:13:47	30	30	Authorized controlled burning	Non-Emergency	-0:07:47
04/19/2025 18:11:18	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:32
04/20/2025 11:03:07	30	30	False alarm or false call, other	Emergency	-0:09:46
04/20/2025 12:50:37	30	30	Assist invalid	Non-Emergency	-0:11:54
04/20/2025 17:01:44	30	30	Outside rubbish, trash or waste fire	Non-Emergency	-0:06:21
04/20/2025 18:10:52	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:08:16
04/21/2025 10:17:34	30	30	Authorized controlled burning	Non-Emergency	-0:35:57
04/22/2025 10:43:16	30	30	Alarm system sounded due to malfunction	Emergency	-0:09:51
04/22/2025 17:57:03	30	30	Dispatched and cancelled en route	Emergency	
04/22/2025 18:37:44	30	30	Dispatched and cancelled en route	Non-Emergency	
04/23/2025 02:09:46	30	30	Alarm system activation, no fire - unintentional	Non-Emergency	-0:18:47
04/23/2025 12:55:30	30	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:03:56
04/23/2025 10:14:54	30	30	Public service assistance, other	Non-Emergency	-0:21:07
04/23/2025 17:31:58	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:11:30
04/23/2025 20:01:17	30	30	Motor vehicle/pedestrian accident (MV Ped)	Emergency	-0:03:27
04/24/2025 09:33:38	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:46
04/25/2025 19:30:26	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:18
04/26/2025 10:06:06	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:47

Basic Incident Alarm Date Time (FD1.26)	Incident Primary Station (FD1.4)	Incident District/Zone	Fire Incident Type	Response Mode To Scene	Response Time
04/27/2025 08:53:06	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:26
04/29/2025 10:38:30	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:56
04/29/2025 17:00:11	30	30	Smoke or odor removal	Emergency	-0:04:42
04/29/2025 20:26:27	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:53
04/30/2025 05:22:23	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:41
04/30/2025 14:11:15	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:49
05/01/2025 18:21:22	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:07
05/01/2025 14:57:02	32	30	Dispatched and cancelled en route	Emergency	
05/02/2025 05:27:39	30	30	Building fire	Emergency	-0:08:03
05/02/2025 13:02:56	31	30	Smoke scare, odor of smoke	Non-Emergency	-0:05:32
05/02/2025 20:02:35	30	30	Public service assistance, other	Non-Emergency	-0:04:37
05/02/2025 09:53:31	30	30	Smoke scare, odor of smoke	Emergency	-0:11:38
05/04/2025 01:55:35	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:12:49
05/04/2025 18:04:23	30	30	Alarm system activation, no fire - unintentional	Emergency	-0:10:55
05/04/2025 13:18:03	30	30	Assist invalid	Non-Emergency	-0:16:13
05/04/2025 08:48:52	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:02:25
05/04/2025 19:44:04	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:43
05/04/2025 20:30:55	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:30
05/05/2025 09:15:06	31	30	Excessive heat, scorch burns with no ignition	Emergency	-0:06:28
05/05/2025 17:51:15	31	30	Alarm system sounded due to malfunction	Emergency	-0:13:51
05/05/2025 11:30:15	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:25
05/05/2025 15:13:55	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:00
05/05/2025 17:46:44	30	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:25:54
05/06/2025 18:43:12	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:10:44
05/06/2025 21:58:51	30	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:13:30
05/07/2025 01:06:53	30	30	Alarm system sounded due to malfunction	Emergency	-0:07:30
05/07/2025 16:57:50	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:38
05/07/2025 20:45:48	30	30	Dispatched and cancelled en route	Emergency	
05/07/2025 21:05:48	30	30	Dispatched and cancelled en route	Emergency	
05/08/2025 01:11:24	30	30	Dispatched and cancelled en route	Emergency	
05/08/2025 01:31:32	30	30	Dispatched and cancelled en route	Emergency	-0:05:34
05/08/2025 04:08:01	30	30	Public service	Non-Emergency	-0:06:38
05/08/2025 17:02:02	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:50
05/08/2025 22:19:25	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:05:10
05/09/2025 02:10:39	30	30	Assist invalid	Non-Emergency	-0:05:51

Basic Incident Alarm Date Time (FD1.26)	Incident Primary Station (FD1.4)	Incident District/Zone	Fire Incident Type	Response Mode To Scene	Response Time
05/09/2025 18:19:35	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:30
05/10/2025 08:44:31	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:06
05/10/2025 10:13:07	30	30	Hazardous condition, other	Emergency	-0:06:38
05/10/2025 15:43:50	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:24
05/10/2025 10:33:56	31	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:46
05/11/2025 12:04:04	30	30	System malfunction, other	Emergency	-0:09:01
05/12/2025 12:42:37	30	30	Motor vehicle accident with injuries	Emergency	-0:06:03
05/13/2025 04:53:46	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:48
05/13/2025 06:28:49	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:13
05/13/2025 09:28:47	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:01:33
05/14/2025 17:14:54	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:44
05/15/2025 18:35:50	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:45
05/16/2025 03:32:05	30	30	Alarm system activation, no fire - unintentional	Emergency	-0:11:18
05/16/2025 06:25:05	30	30	Public service assistance, other	Non-Emergency	-0:08:46
05/16/2025 08:10:07	30	30	Dispatched and cancelled en route	Emergency	
05/16/2025 14:30:08	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:50
05/16/2025 18:14:57	30	30	Motor vehicle accident with injuries	Emergency	-0:06:33
05/16/2025 20:01:31	30	30	No incident found on arrival at dispatch address	Emergency	-0:04:27
05/17/2025 09:03:14	30	30	Public service assistance, other	Non-Emergency	-0:12:46
05/17/2025 19:17:29	30	30	Dispatched and cancelled en route	Emergency	-0:04:06
05/17/2025 19:27:29	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:02:18
05/19/2025 11:36:06	30	30	Dispatched and cancelled en route	Emergency	
05/20/2025 01:15:10	30	30	Assist invalid	Non-Emergency	-0:08:34
05/20/2025 13:02:57	30	30	Assist invalid	Non-Emergency	-0:04:47
05/20/2025 12:04:46	31	30	Alarm system sounded due to malfunction	Emergency	-0:10:56
05/21/2025 00:11:25	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:10:05
05/21/2025 12:36:38	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:58
05/21/2025 20:23:10	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:21
05/23/2025 03:04:23	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:49
05/23/2025 05:58:08	30	30	Dispatched and cancelled en route	Emergency	-0:12:16
05/23/2025 15:19:22	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:06:56
05/24/2025 12:46:15	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:33
05/24/2025 11:25:32	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:44
05/24/2025 08:32:14	30	30	Alarm system activation, no fire - unintentional	Emergency	-0:05:53
05/24/2025 18:11:03	30	30	Gas leak (natural gas or LPG)	Emergency	-0:06:25

Basic Incident Alarm Date Time (FD1.26)	Incident Primary Station (FD1.4)	Incident District/Zone	Fire Incident Type	Response Mode To Scene	Response Time
05/25/2025 08:57:03	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:31
05/25/2025 11:07:36	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:09:54
05/25/2025 15:38:31	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:14
05/25/2025 14:42:27	30	30	Dispatched and cancelled en route	Emergency	-0:08:55
05/25/2025 20:15:36	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:47
05/26/2025 07:29:32	30	30	Dispatched and cancelled en route	Non-Emergency	
05/26/2025 11:11:54	30	30	Public service assistance, other	Non-Emergency	-0:00:28
05/26/2025 13:37:21	30	30	Public service assistance, other	Non-Emergency	-0:12:22
05/27/2025 08:42:55	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:01
05/27/2025 10:17:32	30	30	Smoke scare, odor of smoke	Non-Emergency	-0:09:50
05/28/2025 02:28:05	31	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:10:56
05/28/2025 19:25:06	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:24
05/29/2025 21:30:02	30	30	Dispatched and cancelled en route	Emergency	
05/30/2025 07:19:44	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:02:19
05/30/2025 16:49:12	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:21
05/30/2025 19:43:40	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:03:53
06/01/2025 07:26:11	30	30	Water or steam leak	Emergency	-0:11:39
06/01/2025 16:31:38	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:22
06/01/2025 23:45:24	30	30	Water problem, other	Non-Emergency	-0:07:57
06/02/2025 07:51:00	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:10:55
06/02/2025 14:53:18	30	30	No incident found on arrival at dispatch address	Emergency	-0:03:42
06/03/2025 10:04:56	30	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:12:25
06/04/2025 10:50:41	31	30	Dispatched and cancelled en route	Emergency	
06/04/2025 13:20:05	30	30	Dispatched and cancelled en route	Emergency	
06/04/2025 14:06:41	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:10
06/04/2025 14:34:36	30	30	Dispatched and cancelled en route	Emergency	
06/05/2025 11:37:55	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:49
06/05/2025 19:54:25	30	30	Dispatched and cancelled en route	Emergency, Downgraded to Non-Emergency	
06/06/2025 07:17:22	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:07
06/08/2025 13:24:09	30	30	Motor vehicle accident with injuries	Emergency	-0:07:42
06/09/2025 06:23:03	30	30	Public service assistance, other	Non-Emergency	-0:09:45
06/09/2025 15:55:21	30	30	Unauthorized burning	Non-Emergency	-0:06:20
06/09/2025 20:58:30	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:01
06/10/2025 04:49:40	30	30	Dispatched and cancelled en route	Emergency	
06/10/2025 08:51:26	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:49

Basic Incident Alarm Date Time (FD1.26)	Incident Primary Station (FD1.4)	Incident District/Zone	Fire Incident Type	Response Mode To Scene	Response Time
06/11/2025 03:05:07	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:11
06/11/2025 16:26:02	30	30	Gas leak (natural gas or LPG)	Non-Emergency	-0:07:37
06/11/2025 22:03:15	30	30	EMS call, excluding vehicle accident with injury	Non-Emergency	-0:08:48
06/13/2025 19:11:40	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:09:55
06/14/2025 07:14:02	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:14:11
06/14/2025 07:43:59	30	30	Water or steam leak	Non-Emergency	-0:01:02
06/14/2025 14:30:39	30	30	Unauthorized burning	Non-Emergency	-0:04:37
06/14/2025 17:10:11	30	30	Smoke detector activation due to malfunction	Emergency	-0:15:12
06/14/2025 19:43:36	26	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:35
06/15/2025 04:12:57	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:08:03
06/15/2025 11:52:57	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:49
06/15/2025 13:32:49	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:46
06/15/2025 13:55:23	30	30	Assist police or other governmental agency	Non-Emergency	-0:02:00
06/15/2025 15:30:53	30	30	Assist police or other governmental agency	Emergency	-0:01:29
06/16/2025 09:53:28	30	30	Hazardous condition, other	Non-Emergency	-0:16:17
06/16/2025 18:17:47	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:07:23
06/16/2025 20:08:40	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:21
06/17/2025 06:36:33	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:25
06/18/2025 20:44:48	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:06:05
06/19/2025 07:23:32	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:44
06/19/2025 20:59:40	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:29
06/19/2025 21:58:06	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:11:02
06/20/2025 14:37:41	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:52
06/21/2025 08:10:47	30	30	Dispatched and cancelled en route	Non-Emergency	
06/21/2025 15:02:57	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:09
06/21/2025 17:02:25	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:19
06/21/2025 18:36:19	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:01:51
06/22/2025 16:47:26	31	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:10:05
06/22/2025 13:02:39	30	30	Dispatched and cancelled en route	Emergency	
06/22/2025 13:33:16	30	30	Dispatched and cancelled en route	Emergency	
06/22/2025 16:35:35	30	30	Assist invalid	Non-Emergency	-0:09:28
06/22/2025 19:09:13	30	30	Assist invalid	Emergency	-0:08:13
06/23/2025 08:45:49	30	30	Alarm system sounded due to malfunction	Emergency	-0:17:51
06/24/2025 15:42:17	30	30	Dispatched and cancelled en route	Non-Emergency	
06/24/2025 17:59:58	30	30	No incident found on arrival at	Emergency	-0:04:24

Basic Incident Alarm Date Time (FD1.26)	Incident Primary Station (FD1.4)	Incident District/Zone	Fire Incident Type	Response Mode To Scene	Response Time
			dispatch address		
06/25/2025 03:48:14	30	30	Dispatched and cancelled en route	Emergency	
06/25/2025 16:04:37	30	30	False alarm or false call, other	Emergency	-0:07:44
06/26/2025 15:04:34	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:04:39
06/27/2025 12:06:22	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:06:15
06/27/2025 14:18:12	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:18
06/27/2025 18:50:42	30	30	EMS call, excluding vehicle accident with injury	Emergency, Downgraded to Non-Emergency	-0:12:47
06/27/2025 20:24:22	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:05:05
06/28/2025 14:14:12	31	30	EMS call, excluding vehicle accident with injury	Emergency	-0:07:38
06/28/2025 13:58:41	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:38
06/30/2025 14:16:13	30	30	EMS call, excluding vehicle accident with injury	Emergency	-0:03:03
06/30/2025 14:22:53	30	30	Unintentional transmission of alarm, other	Emergency	-0:06:17

Report Criteria

Incident District/Zone: Is In 30

Basic Incident Date Original (Fd1.3): Is Equal To Last Quarter

Description

Solvang - Response Time Report

CITY COUNCIL STAFF REPORT

AGENDA ITEM 7.a

Meeting Date: July 14, 2025

SUBJECT: **Public Hearing to Consider Adopting Resolution No. 25-1299, Ratifying the Appropriation Limit for Fiscal Year 2025/2026 Pursuant to Article XIII B of the California Constitution**

PREPARED BY: Wendy Berry, Administrative Services Director

DISCUSSION:
Article XIII B of the California Constitution limits the amount of tax revenues that state and local governments may appropriate in any fiscal year. The annual appropriations limit is calculated based on the 1978–79 fiscal year limit, adjusted annually to reflect changes in the cost of living and population. As required, the City has reviewed and calculated its annual Appropriations Limit. Based on population and cost-of-living data provided by the California Department of Finance (DOF), the City's appropriation limit is set at $26,362,892:

- **Population Growth:** 0.47%
- **Per Capita Personal Income Change (CPI):** 6.44%
- **Combined Growth Factor:** 1.0694027
- **FY 2024/25 Limit:** $24,651,978
- **FY 2025/26 Limit:** $26,362,892

The City's anticipated General Fund revenues for FY 2025/26 are approximately $11.3 million, well below the established appropriations limit.

The City Council adopted Resolution 25-1297 at the June 23, 2025 City Council meeting, establishing the appropriation limit of $26,362,892 for the 25/26 budget year. This action was required before the end of Fiscal Year 24/25.

Pursuant to Government Code Section 7910 "documentation used in the determination of the appropriations limit and other necessary determinations shall be available to the public" fifteen (15) days prior to the meeting setting the appropriation limit. The required information was available to the public for more than fifteen (15) days prior to the adoption of the appropriation limit; however, the notice informing the public of the availability of that information was published on June 12, 2025, only eleven (11) days prior to the meeting. Staff published the notice again on June 26, 2025, which provides a full public review period as required by law.

Staff recommends the City Council adopt Resolution No. 25-1299 and thereby ratify the appropriations limit for FY25-26 adopted in Resolution No. 25-1297 after a full public review period.

ALTERNATIVES:
None

FISCAL IMPACT:
None

ATTACHMENTS:
A. Resolution 25-1299

RESOLUTION NO. 25-1299

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLVANG CALIFORNIA RATIFYING THE APPRORIATION LIMIT FOR FISCAL YEAR 2025/2026 PURSUANT TO ARTICLE XIII B OF THE CALIFORNIA CONSTITUTION

WHEREAS, Article XIII B of the California Constitution provides that the total annual appropriations subject to limitation of each governmental entity, including this City, shall not exceed the appropriation limit of such entity of government for the prior year adjusted for changes in the cost of living or personal income and population, except as otherwise provided for in said Article XIII and implementing State Statues; and

WHEREAS, pursuant to said Article XIII B of said California Constitution, and Section 7900 et seq. of the California Government Code, the City is required to set its appropriation limit for each fiscal year; and

WHEREAS, pursuant to Section 7910 of said California Government Code, the Director of Administrative Services made available to the public the documentation used in the determination of said appropriation limit with at least 15 days notice on June 26, 2025; and

WHEREAS, the notice making such documentation available to the public was published on June 12, 2025; and

WHEREAS, the City Council adopted Resolution No. 25-1297 approving the appropriation limit of $26,362,862.00 for FY 25/26 on June 23, 2025, eleven days after the publication of the notice; and

WHEREAS, the City published the notice again on June 26, 2025; and

WHEREAS, to ensure the relevant documentation was available to the public for at least fifteen days pursuant to Section 7910 of the California Government Code the City Council desires to ratify the appropriation limit for FY 25/26 set by Resolution No. 25-1297.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SOLVANG DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. That the appropriation limit for FY 25/26 set by Resolution No. 25-1297 in the amount of $26,362,892 is hereby ratified.

SECTION 2: Notice of the documentation used in the determination of the appropriation limit was published on June 12, 2025 and again on June 26, 2025, thereby providing a full public review period.

SECTION 3. That this resolution shall be effective immediately upon adoption.

SECTION 4. That the City Clerk shall certify to the passage and adoption of this resolution and shall cause a certified copy to be filed in the book of original resolutions.

PASSED, APPROVED, AND ADOPTED on this 14th day of July, 2025.

_____
David Brown, Mayor

APPROVED AS TO FORM:

_____
Chelsea O'Sullivan, City Attorney

ATTEST:

_____
Annamarie Porter, City Clerk

STATE OF CALIFORNIA)
COUNTY OF SANTA BARBARA)ss
CITY OF SOLVANG)

I, Annamarie Porter, City Clerk of the City of Solvang, California do hereby certify that Resolution No. 25-1299 was passed and adopted by the City Council of the City of Solvang at a regular meeting of said City Council held on the 14th day of July 2025, and thereafter signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
Annamarie Porter, City Clerk

CITY COUNCIL STAFF REPORT

Agenda Item 7.b

Meeting Date: July 14, 2025

SUBJECT: **Adoption of Resolution 25-1298 Amending the Safety Element of the Solvang General Plan to incorporate the adopted Local Hazard Mitigation Plan, and amend Figure SAF-8, Fire Hazard Severity Zones, for consistency with the California Department of Forestry Fire Hazard Mitigation Map.**

PREPARED BY: Rafael Castillo, AICP, Community Development Director

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DISCUSSION:

Background

The City of Solvang adopted its Safety Element as a part of its General Plan update in 2024, along with other required elements. Pursuant to Government Code Sections 8685.9, 65302, and 65302.6, California cities can incorporate a Local Hazard Mitigation Plan (LHMP) into the Safety Element to satisfy certain required disaster preparedness and planning measures. An LHMP serves to ensure a jurisdiction is adequately prepared to face different types of disasters or hazards and was adopted by City Council in April 2023. The LHMP is an annex to the Santa Barbara County Multi- Jurisdictional Hazard Mitigation Plan, and is available to view at https://www.cityofsolvang.com/DocumentCenter/View/5797/23-1214_Hazard_Mitigation_Plan

The Federal Disaster Mitigation Act of 2000 (DMA) requires local governments to develop and submit hazard mitigation plans. Doing so also qualifies the jurisdiction for Hazard Mitigation Grant Program (HMGP) funds, administered by the Federal Emergency Management Agency (FEMA). Assembly Bill (AB) 2140, passed in 2006, allows California counties and cities to be considered for additional State cost-share on eligible Public Assistance projects by adopting their current, FEMA-approved LHMPs directly into the Safety Element of their General Plan. Eligible Public Assistance projects may include actions such as debris removal in the immediate aftermath of a disaster, or permanent work such as road and bridge rehabilitation. To be considered for these additional funds, cities must have an LHMP approved by the California Operations of Emergency Services (CalOES) and FEMA, formally adopt the LHMP, and adopt the LHMP into the Safety Element of the General Plan. CalOES reviewed the City's newly adopted Safety Element and determined it to be insufficient for purposes of AB 2140 funding (i.e., incorporation by reference without a direct link or attachment did not meet the letter of State law). To be eligible for the funds, the City must incorporate the adopted LHMP into the Safety Element.

Proposed General Plan Amendment

To properly incorporate the adopted LHMP into the Safety Element, staff has utilized the guidelines published by CalOES as part of the AB 2140 Fact Sheet (Attachment B). Pursuant to the guidelines, to be compliant with AB 2140, the local agency must include language specific to the LHMP within the Safety Element of their General Plan and make the LHMP easily accessible in its entirety as a weblink, appendices, or attachment.

On June 9, 2025 the City Council adopted Ordinance 25-0382 and thereby adopted the updated Fire Severity Zone Map provided by the State Fire Marshal. Figure SAF-8 in the Safety Element needs to be updated to match this newly adopted map.

Accordingly, the proposed General Plan Amendment would make the following revisions as shown in Attachment A.

- Add a new section to the Safety Element "Relationship to the Local Hazard Mitigation Plan";
- Add a new policy "SAF-1.10" that specifically adopts the LHMP as a part of the General Plan.

- Replace Figure SAF-8, Fire Hazard Severity Zone map with the recently adopted Fire Severity Zone Map.

These proposed amendments ensure that the LHMP is made a part of the General Plan and not just incorporated “by reference”. This language will ensure that as the LHMP is updated and re-adopted over time, the Safety Element will not need to be amended and that Figure SAF-8, Fire Hazard Severity Zones will align with the updated Fire Severity Zone Map.

CEQA Analysis
The proposed General Plan Amendment is exempt from environmental review under the CEQA Guidelines Section 15061(b)(3) and Public Resources Code Sec. 21065, which exempts projects that would have no potential for causing a significant impact on the environment. The language being added and amended in the Safety element incorporates the LHMP document into the General Plan document and updates the Fire Severity Zone Map. These changes do not in themselves propose any change to the environment. The LHMP contains goals and objectives for not only responding to hazards and emergencies but proactively mitigating harmful effects to the built and natural environment.

Recommendation
At its June 2, 2025 meeting the Planning Commission recommended that the City Council amend the Safety Element of the Solvang General Plan to ensure consistency with State Law, as well as ensure that the City have the ability to be reimbursed for costs incurred by natural disasters. If the City Council approves the Safety Element amendment, City staff will send the element for review by Cal OES. The Planning Commission also recommended that, after adoption of the updated Fire Severity Zone Map, Figure SAF-8 be amended to reflect the updated map.

ALTERNATIVES:
1. Direct staff to make specified changes to the proposed Safety Element language and return to the City Council for consideration;

2. The City Council may deny the proposed Safety Element amendment. A denial should include any facts and findings. If the City Council chooses to deny the amendment, the City may not be eligible for future reimbursements for natural disaster events.

FISCAL IMPACT:
There is no immediate impact by this action. That said, disaster reimbursement has historically been paid at 75% of allowable expenses by FEMA and 75% of the remaining 25% by State OES, which left 6.25% to be paid by the City, which amounted to approximately $40,000 for the January 2023 storm event alone. Completion of this General Plan amendment will allow Solvang to be reimbursed for costs incurred that are associated with any natural disasters at both the State and Federal levels.

ATTACHMENTS:
A. Resolution 25-1298
B. Planning Commission Resolution 25-03
C. AB 2140 Fact Sheet

RESOLUTION NO. 25-1298

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLVANG, CALIFORNIA AMENDING THE SAFETY ELEMENT OF THE GENERAL PLAN TO INCORPORATE THE CITY'S ADOPTED LOCAL HAZARD MITIGATION PLAN AND AMEND FIGURE SAF-8, FIRE HAZARD SEVERITY ZONES, FOR CONSISTENCY WITH THE CALIFORNIA DEPARTMENT OF FORESTRY FIRE HAZARD MITIGATION MAP

WHEREAS, on July 8, 2024, the City Council adopted the City's Current General Plan; and

WHEREAS, the Federal Emergency Management Agency (FEMA) requires local governments to provide and maintain a hazard mitigation plan in order to qualify for several types of grant funding and assistance programs; and

WHEREAS, Public Law 106-390, Section 322, commonly known as the Disaster Mitigation Act of 2000 (DMA 2000), and the associated Interim Final Rule, 44 CFR Part 201 and 206, published in the Federal Register on February 26, 2002 establishes planning and funding criteria for states and local communities; and

WHEREAS, local jurisdictions may adopt a local hazard mitigation plan (LHMP) into the Safety Element of a General Plan to provide supplemental information and/or fulfill planning requirements pursuant to Government Code Sections 65302 and 65302.6; and

WHEREAS, pursuant to Assembly Bill (AB) 2140, California cities that adopt a LHMP, as well as incorporate the LHMP into the Safety Element of the city's General Plan, are eligible for increased State cost-share on certain Public Assistance projects, an important funding source in the event of disaster; and

WHEREAS, on April 10, 2023, the City Council adopted the City's current LHMP; and

WHEREAS, for the City's Safety Element to be compliant with the specifications of AB 2140, additional language must be added/modified to make the LHMP accessible in its entirety to the reader; and

WHEREAS, on March 10, 2025, the California Department of Forestry and Fire (CalFire) released updated fire hazard severity zone maps for local areas of responsibility in Santa Barbara County ("2025 CalFire Fire Severity Zone Map"); and

WHEREAS, on June 9, 2025 the City Council adopted Ordinance No. 25-0382 and thereby adopted the 2025 CalFire Fire Severity Zone Map for the City; and

WHEREAS, pursuant to the requirements of Senate Bill 18 (2004), the City notified local tribes of the Safety Element amendment, provided a 90-day period for consultation requests, and all requests for consultation have been completed; and

WHEREAS, the Planning Commission held a duly noticed public hearing on June 2, 2025 recommending to the City Council amending Figure SAF-8, Fire Hazard Severity Zones for consistency with the new map, and the additional proposed amendments to the Safety Element; and

WHEREAS, the proposed General Plan Amendment is exempt from environmental review under the CEQA Guidelines Section 15061(b)(3) and Public Resources Code Sec. 21065, which exempts projects that would have no potential for causing a significant impact on the environment. The language being added and amended in the Safety element incorporates the LHMP document into the General Plan document and updates the Fire Severity Zone Map. These changes do not in themselves propose any change to the environment. The LHMP contains goals and objectives for not only responding to hazards and emergencies, but proactively mitigating harmful effects to the built and

natural environment; and

WHEREAS, the City Council held a duly noticed public hearing on July 14, 2025 at which time all interested persons were given the opportunity to be heard.

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF SOLVANG DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The Recitals set forth above are true and correct and are adopted as findings in support of this Resolution.

SECTION 2. The City Council of the City of Solvang hereby approves amendments to the General Plan Safety Element as depicted in Exhibit "A" and as follows:

- Add a new section entitled "Relationship to the Local Hazard Mitigation Plan" on page SAF-3
- Add a new policy "SAF-1.10: Local Hazard Mitigation Plan"
- Amend Figure SAF-8, Fire Hazard Severity Zones, in the Safety Element of the General Plan consistent with the adopted 2025 CalFire Fire Severity Zone Map

SECTION 3. This Resolution is effective immediately upon adoption.

SECTION 4. The City Clerk shall certify to the passage and adoption of this Resolution and shall cause a certified copy to be filed in the book of original resolutions.

PASSED, APPROVED AND ADOPTED this 14th day of July, 2025.

David Brown, Mayor

APPROVED AS TO FORM:

Chelsea O'Sullivan, City Attorney

ATTEST:

Annamarie Porter, City Clerk

STATE OF CALIFORNIA)
COUNTY OF SANTA BARBARA)ss
CITY OF SOLVANG)

I, Annamarie Porter, City Clerk of the City of Solvang, California do hereby certify that Resolution No. 25-1298 was passed and adopted by the City Council of the City of Solvang at a regular meeting of said City Council held on the 14th day of July, 2025, and thereafter signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
Annamarie Porter, City Clerk



8 Safety (SAF)

Natural hazards in the Solvang region are similar to those in Santa Barbara County and the greater region. Earthquake, wildfire, and drought are of the highest concerns, as well as an increased number of high heat days and localized flooding. This Element does not repeat in detail the regulatory framework currently in place. Instead, it contains broad policies and action items reflecting the City's commitment to achieving acceptable levels of risk and public safety.

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Emergency Preparedness and Response

Emergency preparedness refers to the coordinated efforts by the City and other agencies to prevent, prepare for, respond to, recover from, and mitigate natural and human-caused disasters and emergencies. The City employs a range of regulatory tools to protect life and property from natural and human-caused hazards, including maintaining the Emergency Management Plan and participating in the Santa Barbara County Multi-Jurisdictional Hazard Mitigation Plan (MJHMP).

Disaster Preparedness and Avoidance

The most effective and least costly approach to protect life and property from hazards is avoidance. For many natural hazards, a proactive approach of preparation and prevention is needed. Disaster preparedness typically involves the development of response procedures, the identification of evacuation routes, design and installation of warning systems, purchase of emergency equipment, and training of emergency personnel. In addition to advance preparation, the risks and adverse effects of hazards can be wholly or partially mitigated with proper planning, adherence to current building codes, and through the effective management of resources when an emergency does occur.

Evacuation Routes for the City of Solvang are shown in Figure SAF-1:. Critical facilities provide emergency services for the community (e.g. fire station, police station, hospital, utility infrastructure, veteran hall and communication facility), are shown in Figure SAF-2:.

The City's disaster preparedness approach is strengthened through coordination with neighboring jurisdictions, including the County of Santa Barbara. This enables the pooling of resources as well as the ability to implement a region wide response to emergencies that may be widespread. The County's Multi-Jurisdictional Hazard Mitigation Plan outlines countywide resources and procedures for responding to emergencies.

Relationship to the Local Hazard Mitigation Plan

The safety element has been prepared utilizing the adopted Local Hazard Mitigation Plan. The Local Hazard Mitigation Plan identifies local disaster hazards, assess the possibility of these hazards occurring and estimates

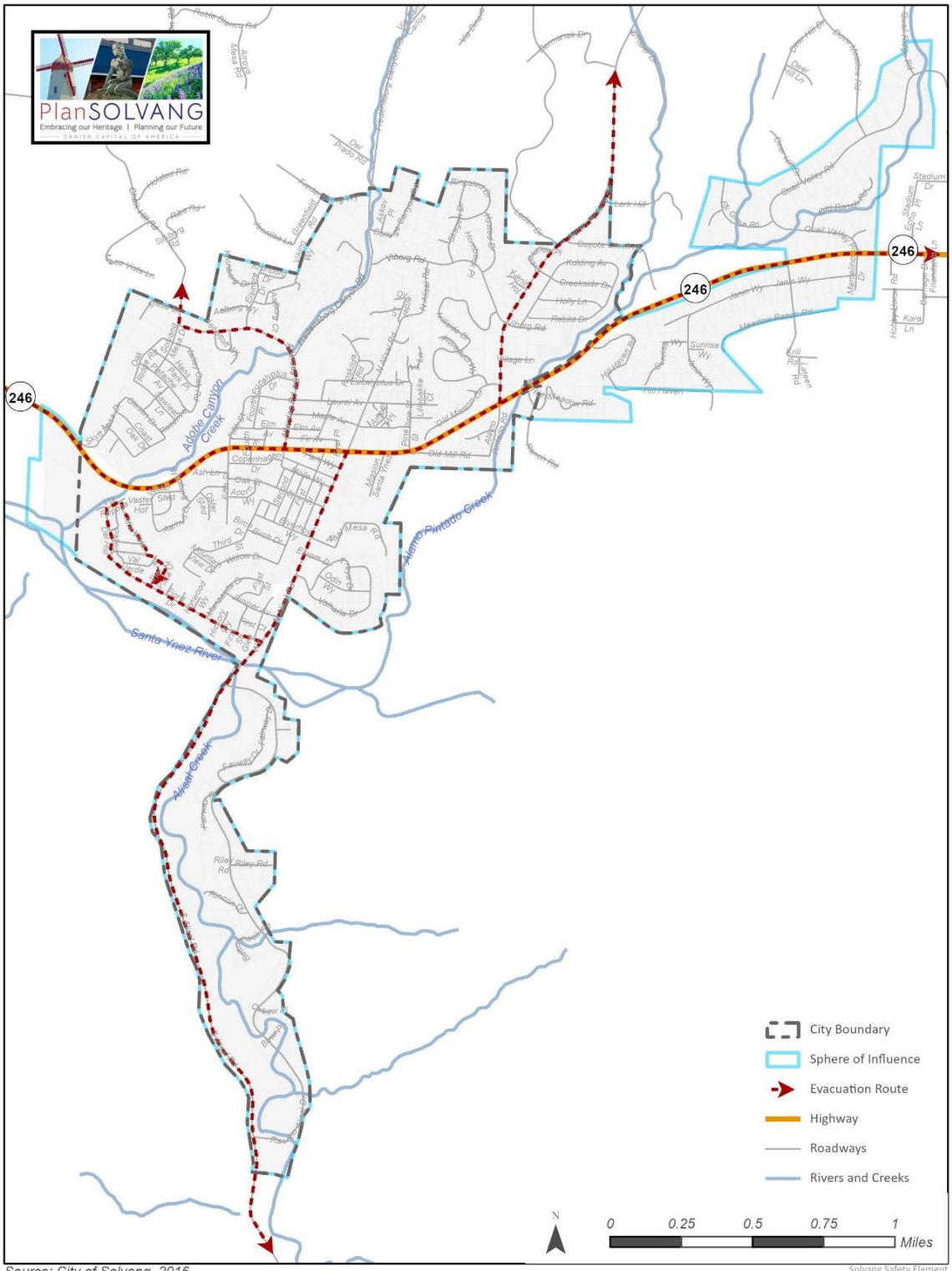
potential costs, and identifies actions to mitigate disaster losses. The Disaster Mitigation Act of 2000 requires LHMP revisions to be reviewed and approved by the Federal Emergency Management Agency (FEMA) every five years. Updated LHMPs, revised every five years, serve as the City's mitigation plan with actions and programs that will guide how the City can effectively prepare for, respond to, and recover from emergencies and other hazards in the natural and built environment. The last LHMP was prepared and adopted in February 2023. This plan can be viewed here:

https://www.cityofsolvang.com/DocumentCenter/View/5797/23-1214_Hazard_Mitigation_Plan

The Safety Element aligns with the risk reduction and emergency response strategies identified in the forthcoming LHMP update. To ensure that the City will be considered for additional funding for eligible Public Assistance projects pursuant to AB 2140, the City incorporates by reference the LHMP and any future updated LHMP. The City will amend the Safety Element to incorporate the LHMP, whenever an updated LHMP is approved by FEMA. The Safety Element provides a contextual framework and overview of the City's hazard mitigation strategy and emergency response operation. It is not intended to serve as an emergency operations plan insofar as the Safety Element is a guiding document rather than an operational document.

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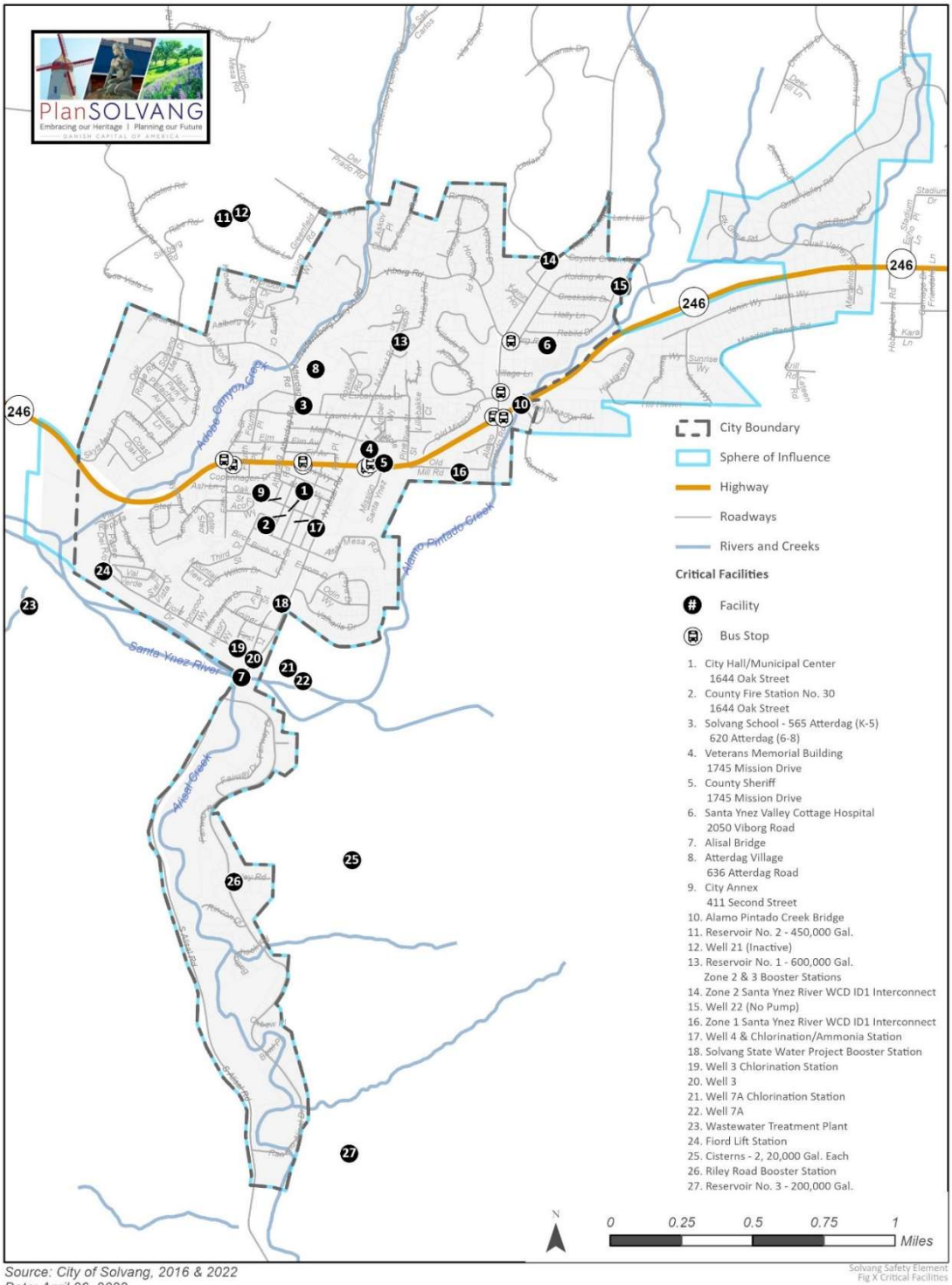
Figure SAF-1: Evacuation Routes



Source: City of Solvang, 2016
Date: April 26, 2022

Solvang Safety Element
Fig X Evacuation Routes

Figure SAF-2: Critical Facilities



Source: City of Solvang, 2016 & 2022
Date: April 26, 2022

Goal SAF-1:

To ensure that City emergency response procedures are appropriate and coordinated with the County in the event of natural or human-made disasters.

Policies

SAF-1.1: **Emergency Response Programs.** The City shall support local and regional response programs that provide emergency and other services to the public when a disaster occurs.

SAF-1.2: **Community Education and Organization.** The City shall develop and support preparedness programs that educate and organize the community, especially vulnerable populations, to respond appropriately to disasters.

SAF-1.3: **Interjurisdictional Coordination.** The City shall work to improve coordination and information sharing among city, County and State programs and agencies to reduce the risks of disasters.

SAF-1.4: **Law Enforcement and Fire Protection Services.** The City shall continue to work with Santa Barbara County to maintain local law enforcement and fire protection services in a state of readiness to ensure adequate protection for the citizens of Solvang.

SAF-1.5: **Standardized Emergency Management System.** The City shall continue to support efforts to ensure local agency compliance with the State's Standardized Emergency Management System.

SAF-1.6: **Command Center.** The City shall continue to coordinate with the county to designate and develop a command center for use during times of emergency, such as the Veterans Hall.

SAF-1.7: **Critical Facilities.** The City shall continue to maintain existing and expand critical facilities outside of flood, seismic, and high fire hazard zones whenever feasible.

SAF-1.8: **Mutual Aid Agreements.** The City shall continue to maintain mutual aid agreements and communications links with surrounding jurisdictions for assistance during times of emergency.

SAF-1.9: **Communication and Media Protocols.** The City shall continue to maintain emergency communication resources, protocols, and improve information transfer to the media and public during emergencies.

~~SAF-1.9:~~SAF-1.10: **Local Hazard Mitigation Plan.** The Local Hazard Mitigation Plan (LHMP) as adopted by the City Council is incorporated as a part of the General Plan Safety Element and can be accessed via this link: https://www.cityofsolvang.com/DocumentCenter/View/5797/23-1214_Hazard_Mitigation_Plan .

Seismic Hazards

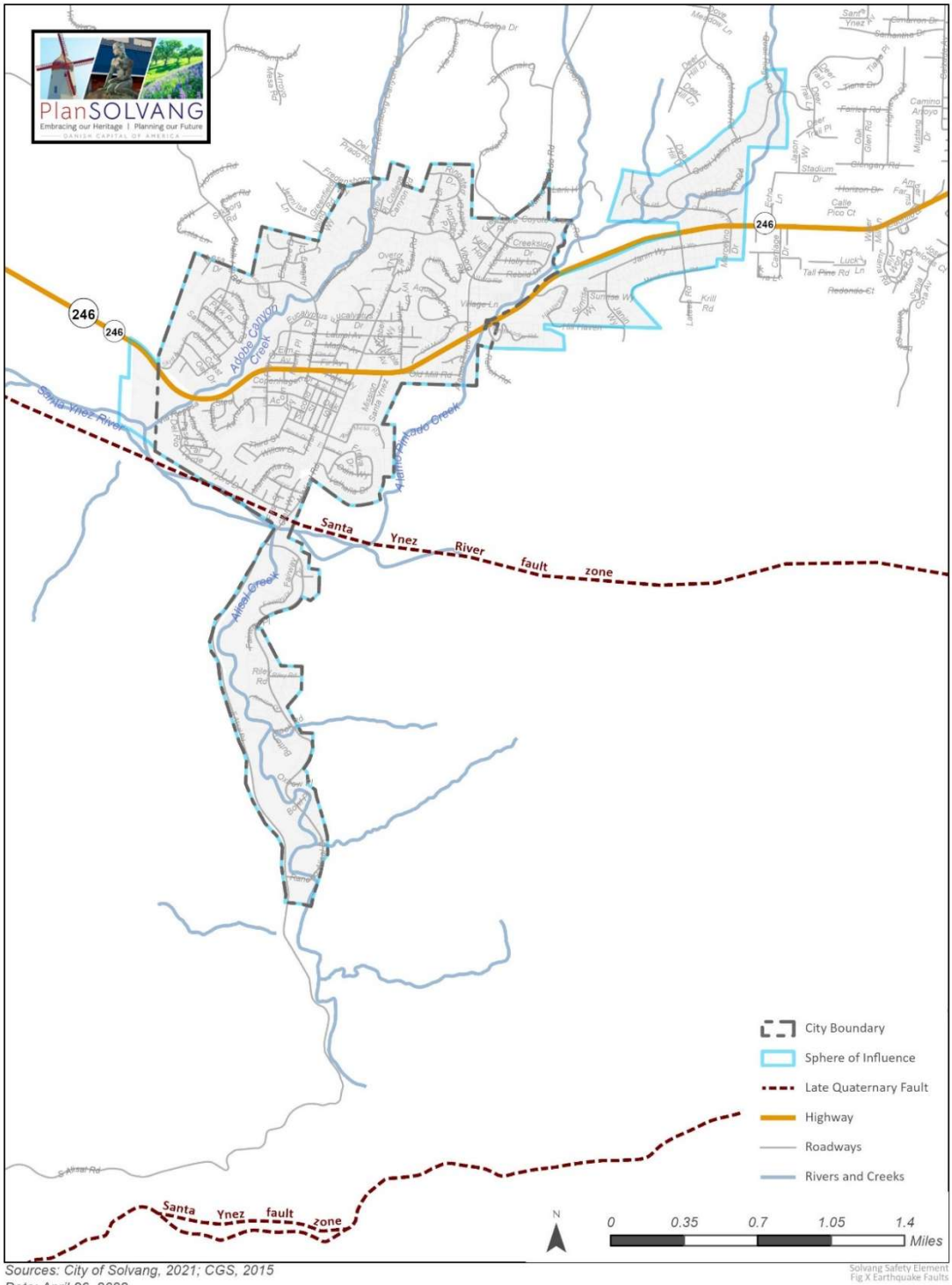
Santa Barbara County is located in a high seismic activity zone in the Transverse Range geologic province. Movement of continental plates manifest primarily along the San Andreas Fault system, which is situated seven miles northeast of Santa Barbara County. There are many active faults within the San Andreas Fault system in Santa Barbara County. The City of Solvang, like much of the Central Coast and Southern California, sits atop active faults. Both the Santa Ynez River Fault, which bisects the city, and the Santa Ynez Fault, are considered potentially active and are capable of producing sizable damaging earthquakes. Figure SAF-3: shows earthquake faults in or near the City of Solvang.

The Santa Ynez Valley and Solvang are subject to a variety of seismic-related hazards, including liquefaction, slope instability, and expansive soils. Properties near the Santa Ynez River are located on alluvium deposits, which increase the potential for ground shaking damage. Most of the developed areas in Solvang are located on or within close proximity to the alluvial deposits, which poses greater potential for enhanced ground shaking during seismic events.

According to the California Geological Survey, the alluvial soils typically found along the Santa Ynez River and Alamo Pintado Creek also have a high susceptibility for liquefaction. The potential for liquefaction can exacerbate the overall effects from local and regional seismic events. Figure SAF-4: shows the shaking potential of areas within the city. The map represents one realization of a potential future earthquake by assuming a particular magnitude, location, and fault-rupture geometry and estimating shaking.

Properties located in the hillsides are susceptible to rockfalls and landslides. Such occurrences are common during larger seismic events and have the ability to cause considerable damage. Figure SAF-5:5 shows areas of the city that are susceptible to landslides.

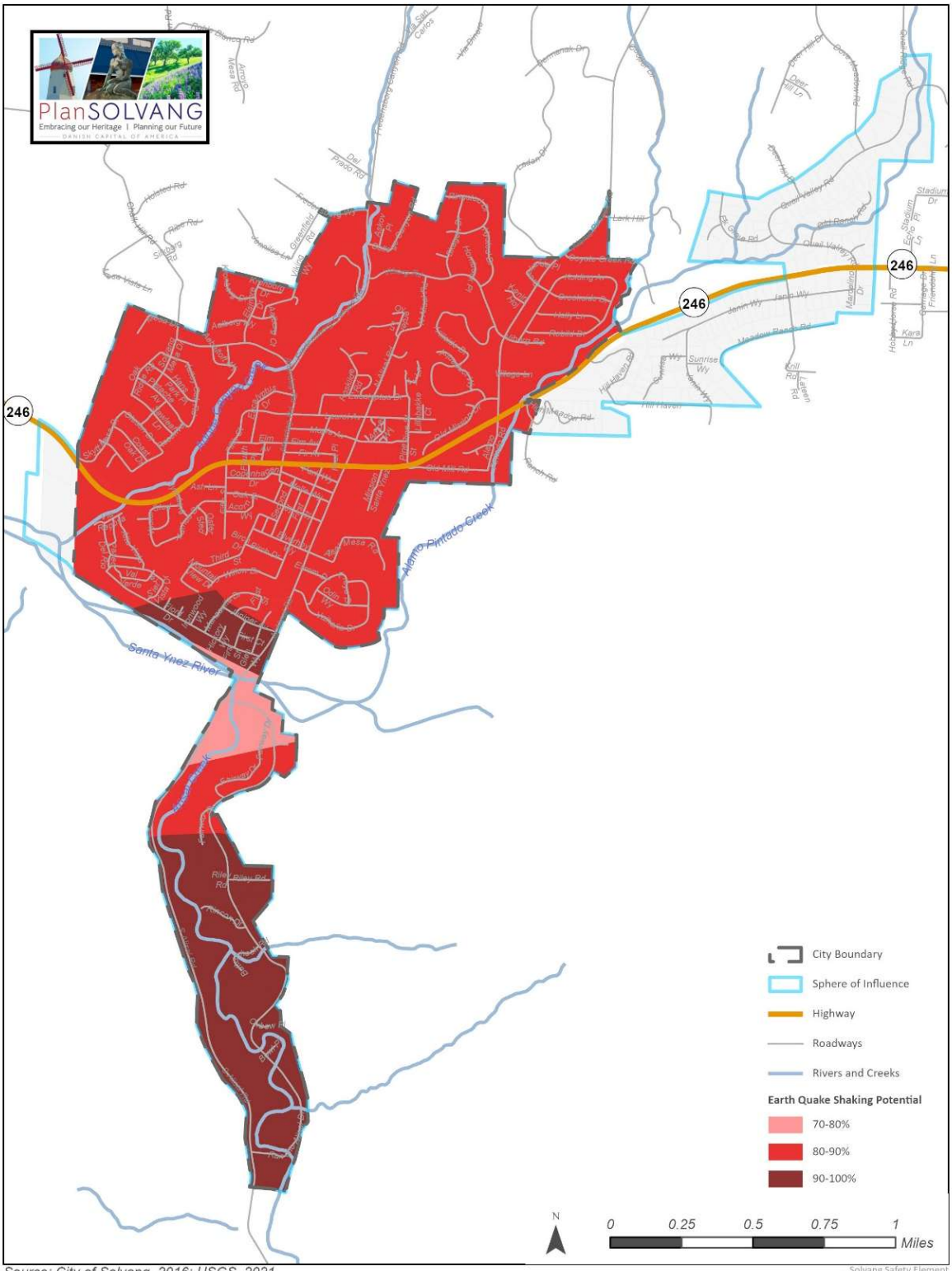
Figure SAF-3: Earthquake Faults



Sources: City of Solvang, 2021; CGS, 2015
Date: April 26, 2022

Solvang Safety Element
Fig X Earthquake Faults

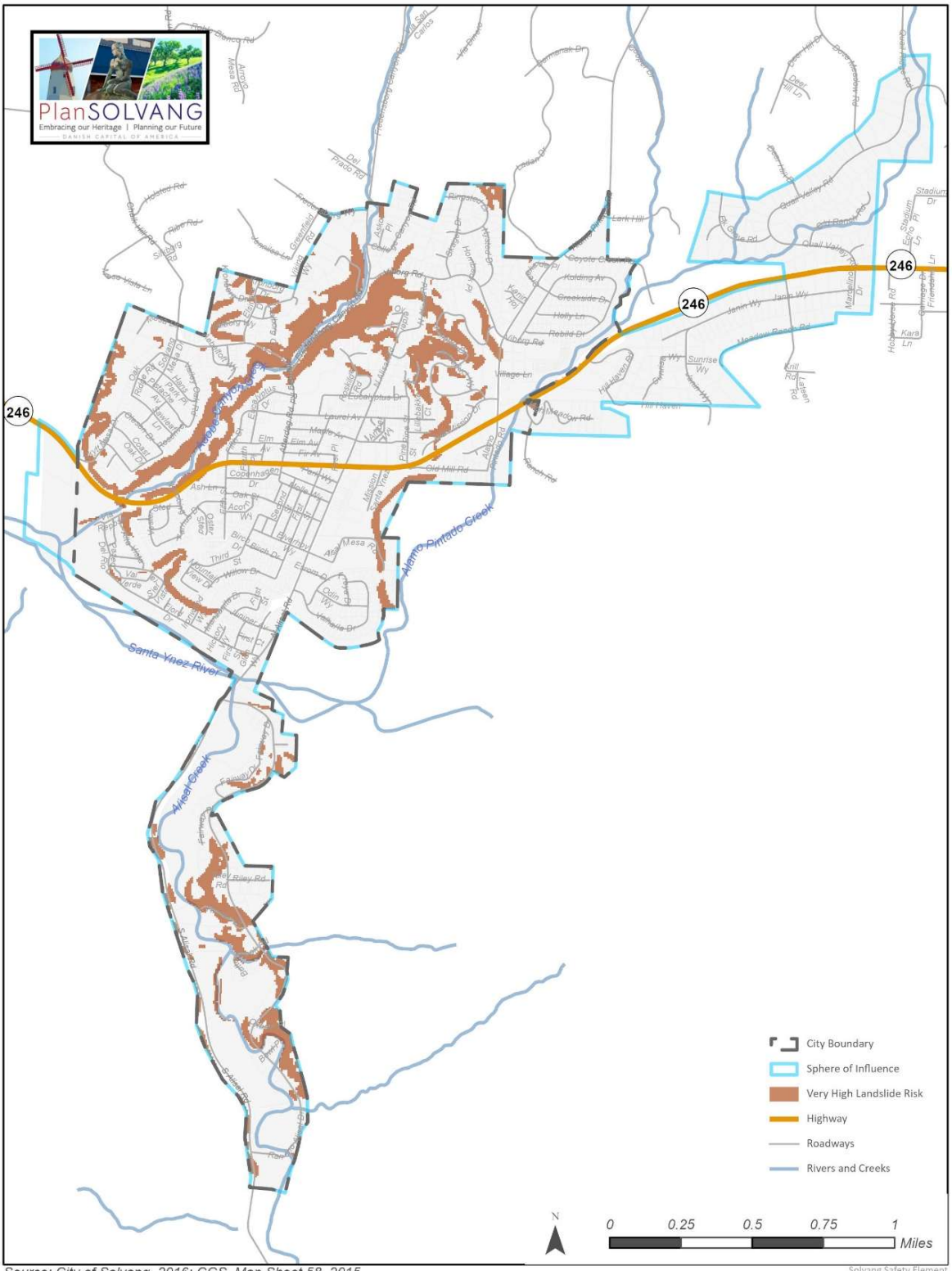
Figure SAF-4: Earth Shaking Scenario



Source: City of Solvang, 2016; USGS, 2021
Date: May 12, 2022

Solvang Safety Element
Fig X Shake Scenario Map

Figure SAF-5: Landslide Risk



Source: City of Solvang, 2016; CGS, Map Sheet 58, 2015
Date: April 26, 2022

Goal SAF-2:

To prevent and/or reduce loss of life, injury, and property damage due to geologic and seismic hazards, including ground shaking, fault rupture, and liquefaction.

Policies

SAF-2.1: **Earthquake Resistant Design.** The City shall continue to require earthquake resistant designs for all structures and utilities.

SAF-2.2: **Critical Facilities Placement.** New critical structures such as hospitals, police substations, fire stations, emergency communication centers, schools, high occupancy buildings and bridges shall be located away from high-risk earthquake, landslide, and liquefaction zones.

SAF-2.3: **Geotechnical Reports.** The City shall continue to require the preparation of geotechnical reports and impose appropriate mitigation measures for new development in areas of potential seismic or geologic hazards to ensure, within the limits of technical and economic feasibility, that new structures are able to withstand the effects of seismic activity, including liquefaction, slope instability, expansive soils or other geologic hazards.

SAF-2.4: **Underground Utilities.** The City shall continue to require the design of underground utilities, particularly water and natural gas mains, to resist seismic forces in accordance with state requirements.

SAF-2.5: **Identification and Abatement of Risk for Existing Structures.** The City shall identify and encourage risk abatement for existing structures that will be hazardous during an earthquake event, especially high occupancy structures that have the greatest potential effect on public safety.

SAF-2.6: **Alquist-Priolo Earthquake Fault Zoning Act.** The City shall continue to enforce the Alquist-Priolo Earthquake Fault Zoning Act that requires geologic studies to be performed so that habitable structures and essential facilities will be sited away from active and potentially active faults.

Goal SAF-3:

To reduce the potential damage to structures and infrastructure from landslide hazards.

Policies

SAF-3.1: **Landslide and Slope Instability Hazard Mitigation.** The City shall continue to require development to avoid and/or mitigate any potential impacts a project contributes to landslides and slope instability hazards on neighboring property, appurtenant structures, utilities, and roads.

SAF-3.2: **Expansion of Development in Areas of Landslide Activity.** The City shall prohibit the expansion of existing structures or developments in areas of known landslide activity except when the project will incorporate measures to reduce the potential for loss of life and property.

SAF-3.3: **New Development in Areas of Landslide Activity.** The City shall prohibit new development in areas of known landslide activity unless development plans indicate that the hazard can be reduced to a less than significant level prior to beginning development. *]*

Flooding

Solvang and the Santa Ynez Valley have an extensive history of localized and regional flooding. The Santa Ynez River, Alamo Pintado Creek, Alisal Creek, and Adobe Creek are sources of flooding concern for Solvang. Figure SAF-6: shows flood hazard areas in Solvang. Areas located in a 100-year floodplain have a 1 percent chance of flooding each year, while areas in a 500-year floodplain have a 0.2 percent chance of flooding each year. The 100-year and 500-year floodplains in the city are along the Santa Ynez River and Alamo Pintado Creek, located in the southwestern and eastern portions of the city.

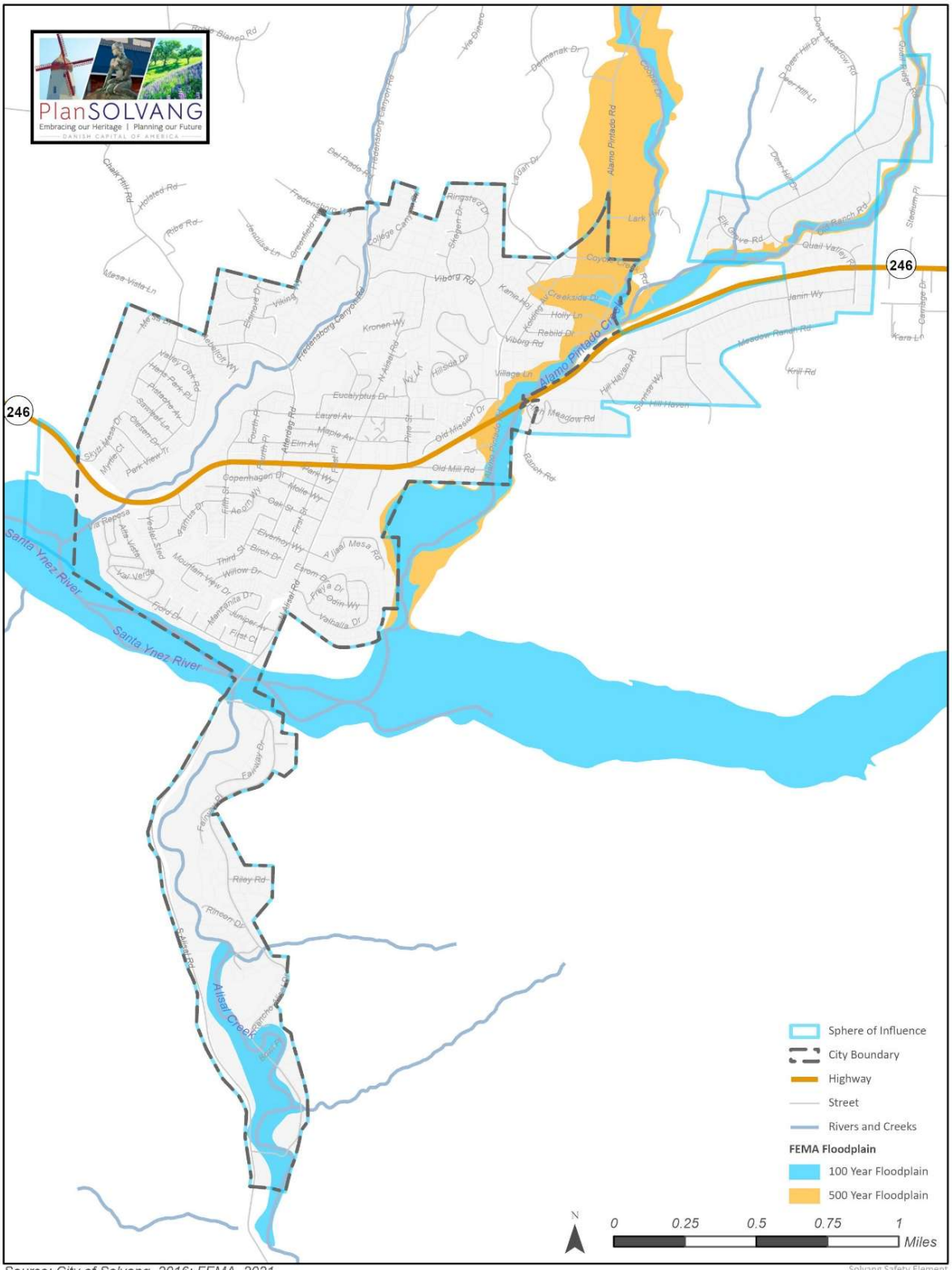
Dam failure can lead to flooding of areas downstream, and the force of water released can be strong enough to carry boulders, trees, automobiles, and buildings. Causes of dam failure include age, poor design, and structural damage resulting from floods, erosion, or earthquakes. Three dams are located on the Santa Ynez River, upstream of the city: Bradbury Dam (completed in 1953) at Lake Cachuma, Gibraltar Dam (completed in 1920) and reservoir, and Juncal Dam (completed in 1930) and reservoir. Additionally, Alisal Creek Dam (completed in 1971) and Alisal reservoir are located approximately five miles south of Solvang. Figure SAF-7: shows areas in the City of Solvang that could be affected by flooding as a result of dam failure, called dam inundation zones.

Reducing the Flood Risk

To reduce potential damage from flooding, all new structures are required to be located at least 50 feet from the top of banks and creeks, allowing for ample space for overflow if a flooding event occurs. In addition, development located in designated FEMA Special Flood Hazard Areas (SFHA) within the city are required to undergo review by the Santa Barbara County Flood Control District.

The following goal and policies address flooding hazards within the City.

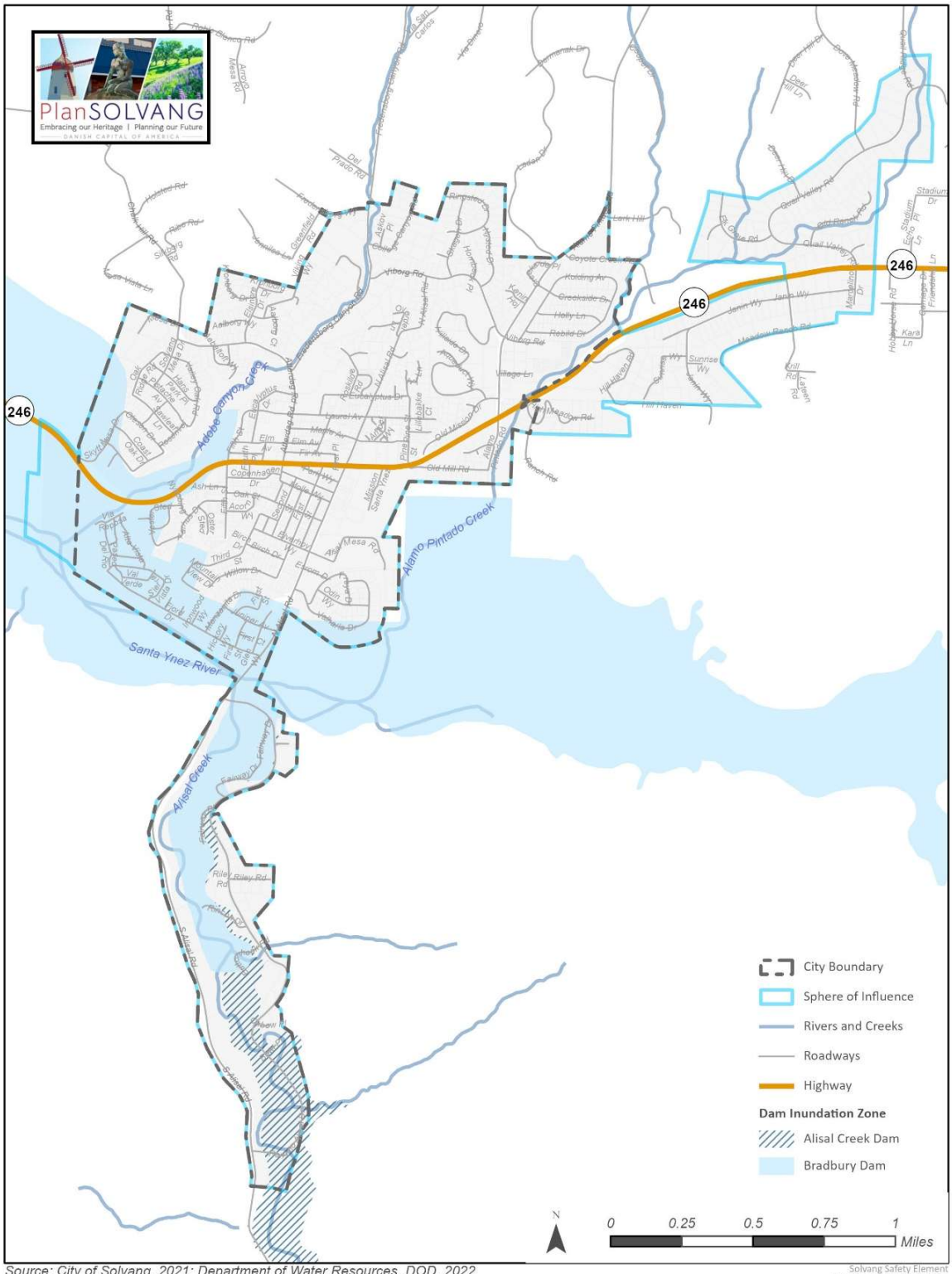
Figure SAF-6: Flood Hazard Zones



Source: City of Solvang, 2016; FEMA, 2021
Date: April 26, 2022

Solvang Safety Element
Fig X Flood Hazard Zones

Figure SAF-7: Dam Inundation zones



Source: City of Solvang, 2021; Department of Water Resources, DOD, 2022
Date: April 26, 2022

Goal SAF-4:

To prevent and/or reduce loss of life, injury, and property damage due to flooding.

Policies

SAF-4.1: **Development in Floodplains.** The City shall not approve new development in areas subject to a 100-year flood event, based on Federal Emergency Management Agency (FEMA) mapping or on other updated mapping acceptable to the City, unless and until the flood hazard has been mitigated.

SAF-4.2: **Mitigate Flooding.** The City shall require new development and redevelopment to incorporate flood reduction measures into the project design in areas known to be prone to flooding.

SAF-4.3: **Dam Inundation.** The City shall update and maintain the Emergency Management Plan to minimize the risk to life and property due to dam failure.

SAF-4.4: **Reducing Flood Impacts.** The City shall require mitigation to less than significant levels for new development with the potential to increase flooding impacts.

SAF-4.5: **100-Year Flood Plains.** The City shall require development on land subject to a 100- year flood event, based on Federal Emergency Management Agency (FEMA) mapping or on other updated mapping acceptable to the City, to conform to National Flood Insurance Program (NFIP) standards.

SAF-4.6: **New Parcels.** The City shall prohibit the creation of parcels upon which the presence of easements, floodplain, marsh or riparian habitat, or other features would leave insufficient land to build and operate structures. This action item shall not apply to open space lots specifically created for dedication to the City or another appropriate party for habitat protection, flood control, drainage, or wetland maintenance.

Fire Hazards

Wildfires can be classified as either a wildland fire or a wildland-urban interface fire (County of Santa Barbara et al. 2017). A wildland fire typically occurs in areas that are relatively undeveloped except for minimal infrastructure such as roads and power lines. A wildland-urban interface fire includes situations in which a wildfire enters an area that is developed with buildings and houses.

For goals and policies relating to fire related emergency services, please refer to Section PFS-5 (Law Enforcement, Fire Protection, and Emergency Services) in the Public Facilities, Services, and Infrastructure Element.

Wildfire Risk

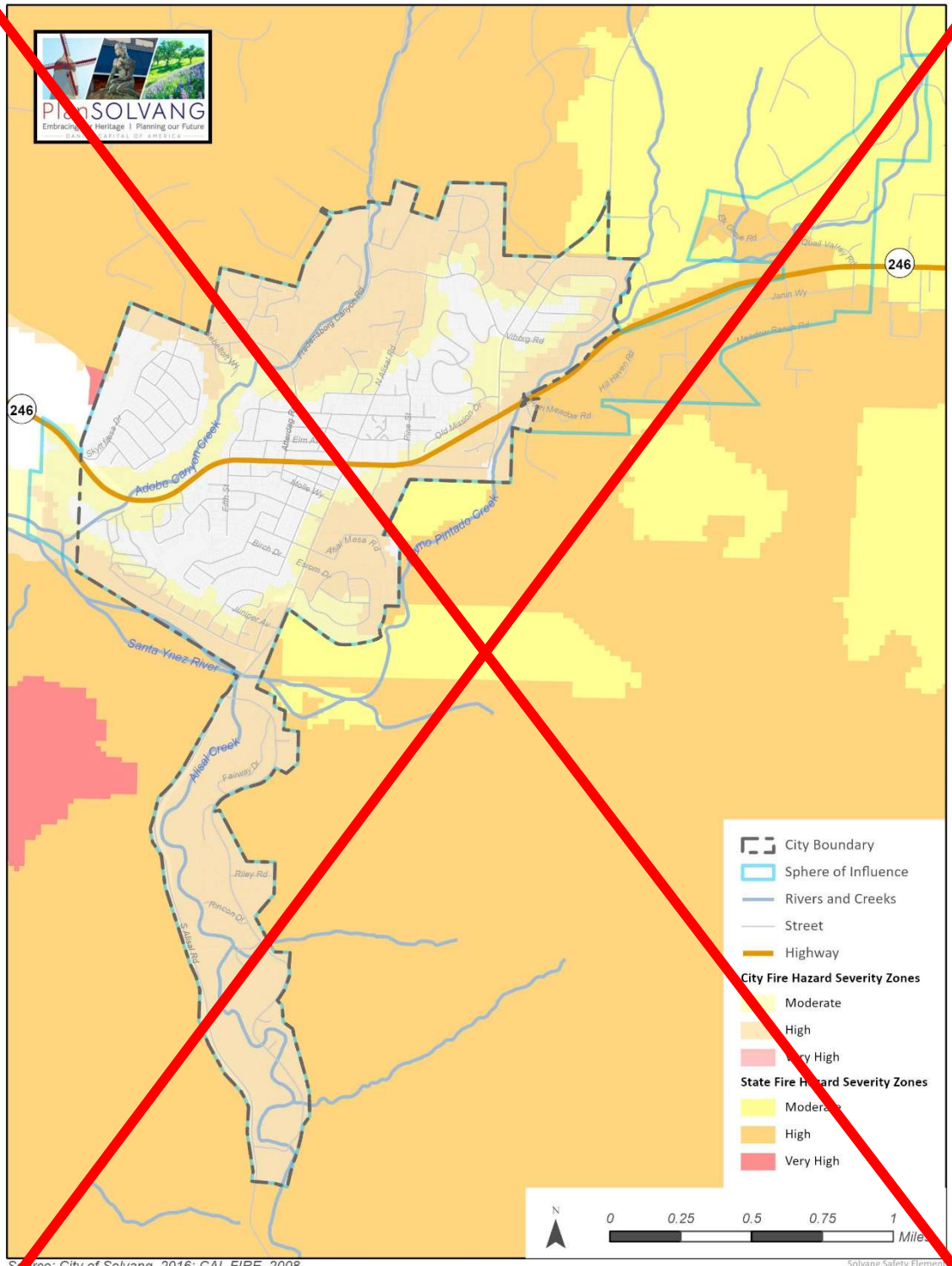
Solvang, like much of Santa Barbara County, is at risk from wildfires due to the combination of dry, windy conditions and woodlands, brushlands, chaparral, and grasslands that burn readily. Under drought conditions, the fire season can extend year-round. California law requires CAL FIRE to identify the severity of fire hazards statewide. To accomplish this, CAL FIRE identified Fire Hazard Severity Zones based on factors such as fuel, slope of the land, and weather patterns conducive to fires. CAL FIRE assigns responsibility for each zone to either the State or a local jurisdiction. Fire hazard severity zones for the City of Solvang are shown on Figure SAF-8: in which several areas in city limits are designated as either Moderate or High Fire Severity Zones. Areas outside and immediately adjacent to the city are in Moderate, High, and Very High Fire Hazard Severity Zones.

The steep hillsides surrounding the City have dense oak woodland and chaparral vegetation and are designated as Very High Fire Hazard Severity Zones. The city's wildland urban interface therefore requires routine fuel management, review of site design for projects, and adequate emergency access to protect life and property.

Understanding historical occurrences of wildfire also helps to inform the frequency and type of potential future fires as well as identify areas that are particularly vulnerable to wildfire. Numerous major wildfires have occurred in the region in recent years. Figure SAF-9: shows historical wildfires near the City. Wildfires have historically occurred in the mountainous areas south of the City of Solvang.

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Figure SAF-8: Fire Hazard Severity Zones



Source: City of Solvang, 2016; CAL FIRE, 2008
Date: April 26, 2022

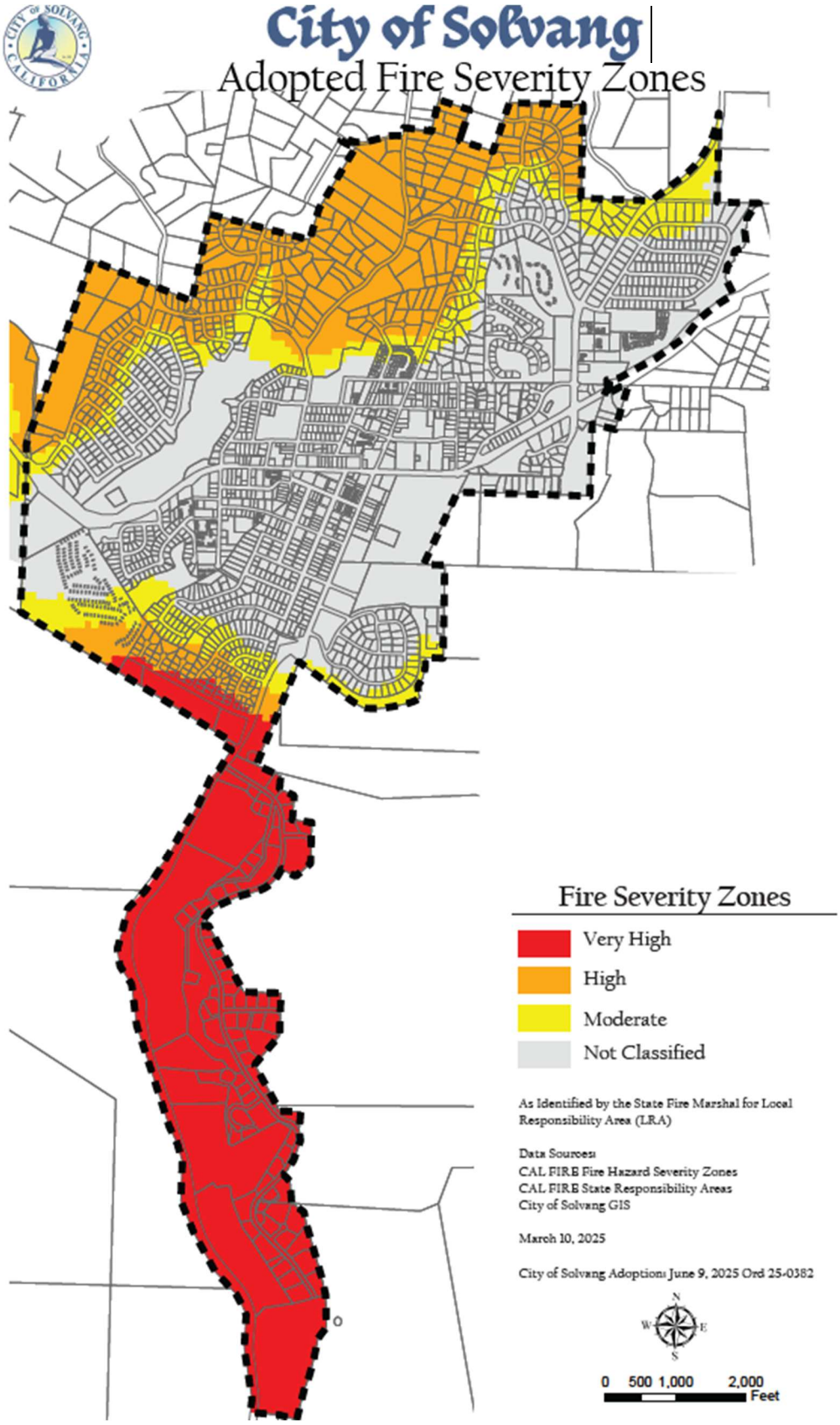
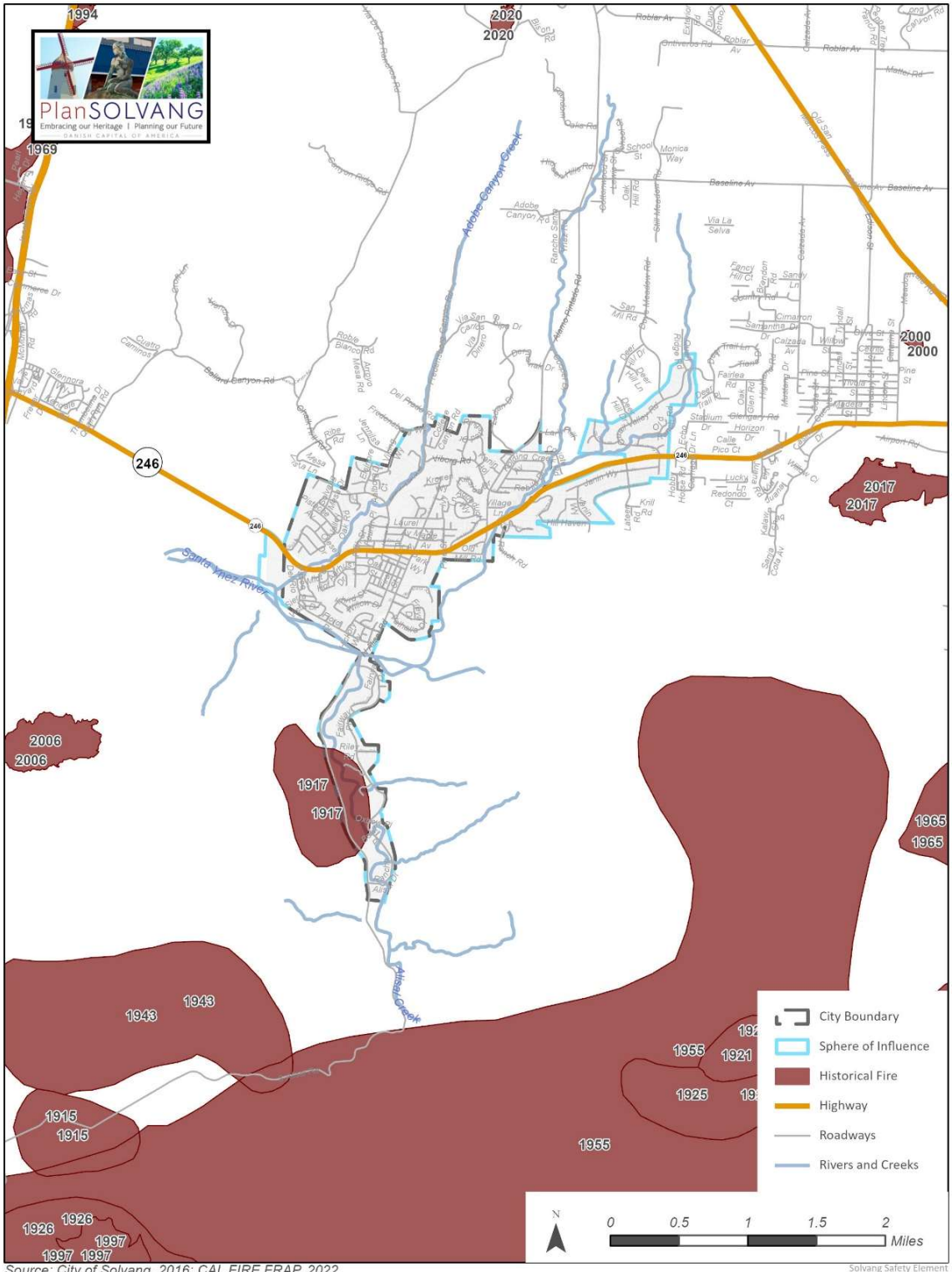

City of Solvang
Adopted Fire Severity Zones
Fire Severity Zones
Very High
High
Moderate
Not Classified
As Identified by the State Fire Marshal for Local Responsibility Area (LRA)
Data Sources:
CAL FIRE Fire Hazard Severity Zones
CAL FIRE State Responsibility Areas
City of Solvang GIS
March 10, 2025
City of Solvang Adoption: June 9, 2025 Ord 25-0382
N
W
E
S
0 500 1,000 2,000
Feet

Figure SAF-9: Historical Fires



Source: City of Solvang, 2016; CAL FIRE FRAP, 2022
Date: April 26, 2022

Solvang Safety Element
Fig X Historical Fires

Goal SAF-5:

To prevent and/or reduce loss of life, injury, and property damage due to wildland and structural fires.

Policies

SAF-5.1: **Protect New Development.** The City shall require new development be designed to protect life and property from the effects of wildfires and structural fires relative to the identified level of risk.

SAF-5.2: **Fire Equipment Access and Resources.** The City shall require that new development provides for adequate fire equipment access and fire suppression resources.

SAF-5.3: **Road and Building Identification.** The City shall require that all roads and buildings are properly identified by name or number with clearly visible signs in order to promote faster response times.

SAF-5.4: **Work with Homeowners on Fire Safety.** The City shall work with and educate homeowners to improve fire safety and defensibility.

SAF-5.5: **Fire Safety Improvements.** The City shall encourage fire safety improvements for existing homes and commercial buildings.

Goal SAF-6:

To coordinate with fire protection and emergency service providers to ensure adequate fire facilities, equipment, and services are available to protect city residents and property from fire.

Policies

SAF-6.1: **County Fire Department Staffing.** The City shall work with Santa Barbara County Fire Department to maintain fire department staffing levels and response times consistent with National Fire Protection Association standards.

SAF-6.2: **Mutual Aid Agreements.** The City shall continue to maintain mutual aid agreements among fire protection and emergency service providers to ensure residents and property are adequately served and to facilitate the efficient use of available resources.

SAF-6.3: **Peak Fire-Flow.** The City shall continue to ensure that adequate peak load water fire-flows are maintained throughout the city and shall regularly monitor fire-flows to ensure adequacy.

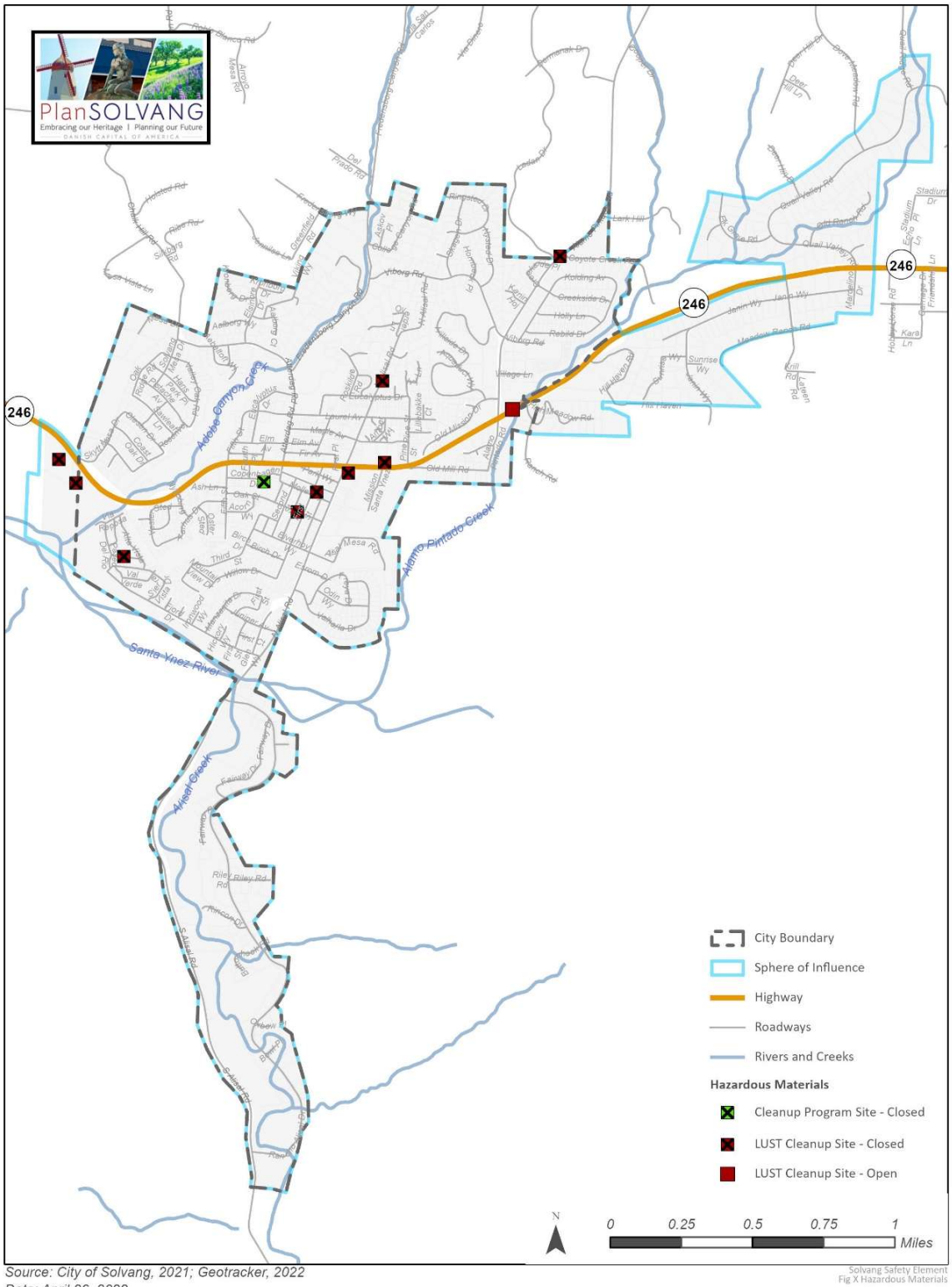
SAF-6.4: **Homeowner Resources.** The City shall continue to work with local agencies to inform homeowners of the dangers and appropriate responses to fire and ways to prevent loss.

Hazardous Materials

Hazardous materials include a wide range of solids, liquids, and gases (does not sufficiently include batteries and electronics) that are flammable, explosive, corrosive, or toxic. Because hazardous materials may be shipped through the Solvang area, transportation accidents pose the most significant hazardous material risk to City residents and the environment.

Public exposure to hazardous materials can result from use by industry, agriculture, and commercial services. Some businesses in Solvang transport, store, and/or use toxic or hazardous chemicals posing potential safety hazards if improperly handled. The most common concentrations of hazardous materials in Solvang are above- and under-ground storage tanks containing materials such as gasoline and diesel fuel. Dry cleaning operations can also lead to soil and groundwater contamination by solvents, including perchloroethylene (PCE), tetrachloroethene (TCE), and chromium. Figure SAF-10: shows hazardous materials sites in the City of Solvang, overseen by the Central Coast Regional Water Quality Control Board (RWQCB). Hazardous materials sites include Leaking Underground Storage Tank (LUST) sites where there is contamination caused by underground storage tanks and cleanup activities are being conducted to address the contamination.

Figure SAF-10: Hazardous Materials Sites



Source: City of Solvang, 2021; Geotracker, 2022
Date: April 26, 2022

Goal SAF-7:

To reduce the potential for exposure of humans and the environment to hazardous substances.

Policies

SAF-7.1: **Hazardous Material Storage and Disposal.** The City shall require proper storage and disposal of hazardous materials, including medical waste, to prevent leakage, potential explosions, fires, or the escape of harmful gases, and to prevent individually innocuous materials from combining to form hazardous substances, especially at the time of disposal.

SAF-7.2: **Designated Routes for Transport of Hazardous Materials.** The City shall designate and continue to enforce safe routes through the City for the transport of hazardous materials.

SAF-7.3: **Testing and Remediation of Contaminated Sites.** The City shall require testing for contamination in areas suspected as potentially hazardous and shall require that the remediation of hazardous areas takes place prior to development in cooperation with the Santa Barbara County Public Health Department.

Public Safety

Public safety refers to protecting the public from crimes and other potential dangers. The City contract with the Santa Barbara County Fire District and contracts with the County of Santa Barbara for law enforcement services. The primary goal of these departments is to reduce threats and protect the wellbeing of the community. Other potential threats to the general public include infectious diseases, airplane hazards, exposure to pesticides, and hazardous trees.

Goal SAF-8:

To ensure that Solvang remains a relatively safe community with a low incidence of crime.

Policies

SAF-8.1: **Public Safety.** The City shall continue to maintain a high-level of public safety in Solvang.

SAF-8.2: **Design Review.** The City shall ensure through design review that crime prevention and safety are incorporated into new development projects, especially for residential subdivision and commercial development.

SAF-8.3: **Education on Personal Safety.** The City shall continue to work with the Chamber of Commerce and the Sheriff to support volunteer and educational programs to inform the public regarding personal safety.

Aircraft Hazards

The Santa Ynez Airport is located approximately 5 miles east of the city. Private aircraft regularly take off, land, refuel, and are stored. Emergency response aircraft are also stored at the airport which serves as a staging ground for the Santa Barbara County Air Support Unit. The Santa Barbara County Airport Land Use Commission (ALUC) adopted an Airport Land Use Plan (ALUP) in 1993 and updated the Plan in 2023 establishing safety zones around the airport to protect the public from potential noise and safety impacts associated with aircraft operations. The ALUP also designates allowable and conditionally allowable land uses for the different safety zones. The currently adopted safety zones overlap a portion of the city's sphere of influence northwest of the city but do not overlap the city itself.

Goal SAF-9:

To promote the safe operation of the airport and protect the safety of city residents.

Policies

SAF-9.1: **Coordinate with the ALUC.** The City shall coordinate with the Airport Land Use Commission (ALUC) on land use planning around the Santa Ynez Airport and the City's Plan Area.

SAF-9.2: **Airport Area of Influence.** The City shall submit development proposals for land within the airport area of influence for review by the ALUC for consistency with the Airport Land Use Compatibility Plan.

SAF-9.3: **Airport Land Use Consistency.** The City shall work to achieve consistency between General Plan land uses and the ALUP, when and where it is appropriate. Measures may include restrictions on permitted land uses and development criteria, including height restrictions.

Other Local Hazards

Hazardous Trees

Trees help make Solvang an attractive place for residents and visitors, provide roosting and nesting habitat for birds and other wildlife, while improving the climate and air quality. However, as trees age and/or become affected by disease or drought, they pose a risk from dropping limbs or toppling. Strong winds and saturated soils or erosion around roots contribute to the hazard. Falling trees and branches can harm people, damage property, obstruct access, clog storm drains, and interrupt power and communications.

Goal SAF-10:

To protect city residents, visitors and infrastructure from the hazards associated with falling trees.

Policies

SAF-10.1: **Tree Maintenance.** The City shall continue to maintain trees on City property to minimize hazards, and work with property owners to do the same.

Noise

Noise levels can directly affect the quality of life within a community. Identifying and mitigating existing and new potential sources of noise pollution helps the City maintain a comfortable environment for all to enjoy. Disruptive and loud noise can be a nuisance to the community, and cause stress. Some land uses are more sensitive to noise than others such as residential use, day care facilities, schools, nursing homes, and hospitals and merit additional consideration when it comes to placement and attenuation requirements to ensure acceptable levels of quiet are maintained.

Noise Measurement

Noise is typically described in terms of the loudness (amplitude) and frequency (pitch) of the sound. Noise loudness is measured in decibels (dB). Decibels (dB) are based on a logarithmic scale that condenses the range in sound pressure levels to a more usable number range. A weighted decibel (dBA) is an additional measure of sound that adjusts the sound rating scale to levels consistent with the sensivity range of the human ear. For example, people perceive a sound 10 dBA higher than another sound as being twice as loud, and 20 dBA higher as being four times as loud, and so forth. Everyday sounds normally range from 30 dBA (very quiet) to 100 dBA (very loud).

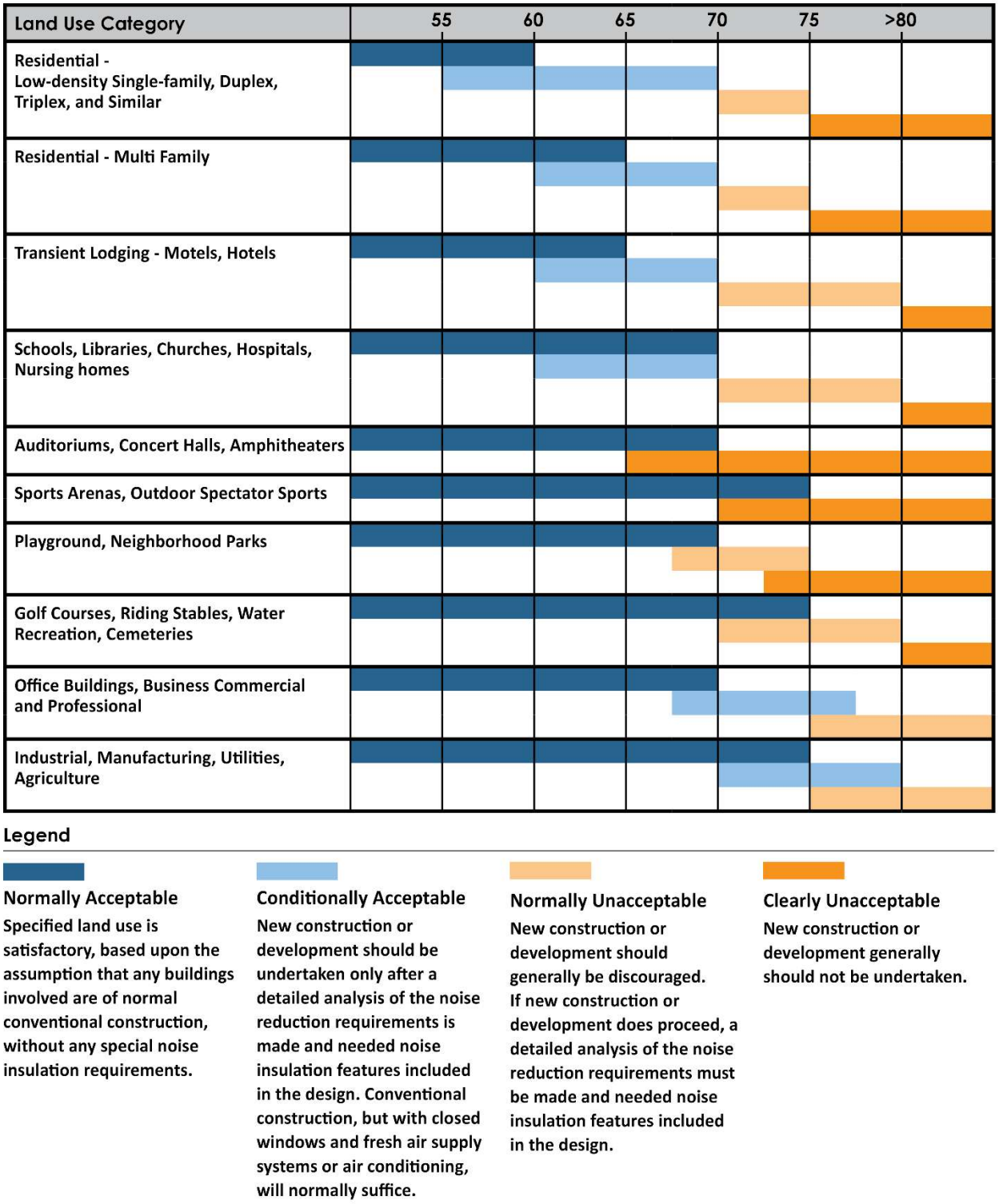
In California, land use compatibility is primarily measured using Community Noise Equivalent Level (CNEL). The CNEL rating is the average sound level over a 24 hour period, with a penalty of 5 dB added between 7 pm and 10 pm, and a penalty of 10 dB added for the nighttime hours of 10 pm to 7 am. The noise levels identified within this element are discussed using dBA CNEL, unless otherwise indicated.

State Noise Element Guidelines

The State of California Office of Planning and Research (OPR) Noise Element Guidelines (Guidelines) include recommended noise level standards for cities and counties. The recommended standards may be used to prevent the development of land uses that are incompatible with the surrounding community due to noise impacts.

Figure SAF-11: shows the OPR guidelines by land use category. For example, the OPR recommends a noise standard of 50 dBA CNEL to 60 dBA CNEL for low density residential uses. This noise range is considered to be “normally acceptable” for low density residential uses, and areas where noise levels exceed 60 dBA CNEL would be deemed inappropriate for low density residential uses. Similar noise standards are recommended for a variety of land use types with varying levels of acceptable noise.

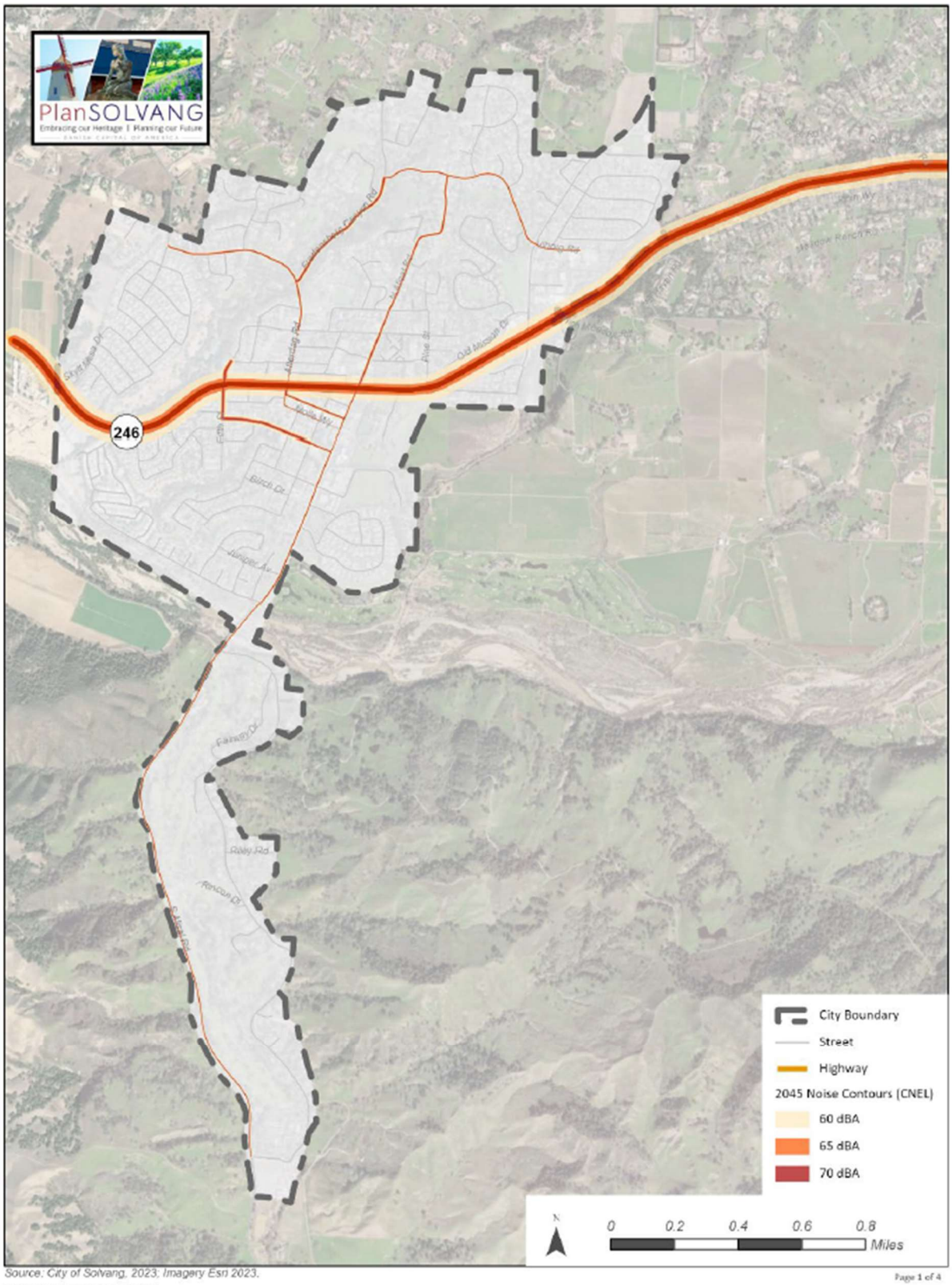
Figure SAF-11: Typical Community Noise Exposure Level



Source: California Office of Planning and Research, General Plan Guidelines, 2017

The most common noise source in Solvang is traffic-related from on-road vehicles and trucks. Roadway noise levels are influenced by the speed of traffic, type of vehicles, and pavement conditions. In Solvang, the main roadways of concern are State Highway 246 and Alisal, Atterdag, and Alamo Pintado Roads. Additional sources include industrial processes, mechanical equipment, Heating, ventilating, and air conditioning (HVAC) equipment, and truck loading/unloading. Intermittent noise can originate from construction activity and aircraft operations. Figure SAF-12: shows the projected future noise contour map for the City of Solvang.

Figure SAF-12: Noise Contour Map



Goal SAF-11:

To reduce, minimize and manage noise and vibration to the greatest extent feasible.

Policies

SAF-11.1: **Roadway Project Noise Mitigation.** The City shall work with Caltrans to require the inclusion of noise mitigation measures along Highway 246 near residential units in the design of new roadway projects where necessary to maintain acceptable noise levels for adjacent uses.

SAF-11.2: **Noise Mitigation in Design.** The City shall require the use noise mitigation measures where appropriate in the design of new development and redevelopment, especially for residential or other noise-sensitive land uses adjacent to major roads or noise-generating commercial or industrial areas to ensure internal noise levels of the receiving noise-sensitive uses remain at acceptable levels.

SAF-11.3: **Sensitive Areas.** The City shall ensure acceptable noise levels are maintained near schools, hospitals, and other noise sensitive areas through proper land use decisions and site plan review.

SAF-11.4: **Vibration Impacts.** For projects involving the use of major vibration generating equipment (e.g., pile drivers, vibratory rollers) that could generate groundborne vibration levels in excess of 0.2 in/sec ppv, the City may require a project-specific vibration impact assessment to analyze potential groundborne vibrational impacts and may require measures to reduce ground vibration levels.

Public Health Emergencies

During health emergencies, local jurisdictions provide initial leadership, resources, and information to their immediate communities while establishing public-private and regional response efforts. As a result, the City must work with health providers, Santa Barbara County, and local stakeholders to develop coordinated initial responses to public health emergencies that rely on local resources.

Pandemics have the potential to be the deadliest threat to public health. A pandemic can occur when a new strain of influenza or other pathogen emerges to which most or all of the world's human population has had no previous exposure and thus has no immunity.

Although the timing, nature, and severity of a public health emergency cannot be predicted, a planned and coordinated response is critical to minimizing the public health impact, as well as the social and economic disruption to our everyday lives.

The following goal and policies guide preparedness, response, and recovery efforts by the City for current and future health emergencies.



For goals and policies relating to community health and emergency services, please refer to Section PFS-4 (Law Enforcement, Fire Protection, and Emergency Services) and PFS-6 (Community Health) in the Public Facilities, Services, and Infrastructure Element.

Goal SAF-12:

Reduce the potential and severity of short- and long-term health emergencies, control the rate and extent of the spread of an illness, reduce economic and social displacement, and reduce loss of life.

Policies

SAF-12.1: **State and County Minimum Requirements.** The City shall implement all minimum requirements from appropriate State of California and Santa Barbara County agencies relative to declared public health emergencies.

SAF-12.2: **Interagency Coordination.** The City shall work closely with the State of California and Santa Barbara County health officials to make certain that City needs are considered and addressed and

to inform residents of programs and resources in a timely manner.

SAF-12.3: **Communication and Education.** The City shall continue to maintain and enhance communications and education resources to provide timely and up-to-date information concerning public health emergencies, with specific focus on vulnerable populations.

SAF-12.4: **Public Health Emergency Minimize Disease Spread.** The City shall collaborate with the Santa Barbara County Public Health Department and other jurisdictions to implement measures that minimize the risk of disease spread based on best available data.

SAF-12.5: **Resources.** The City shall work with the State of California and Santa Barbara County to maintain a supply of resources necessary to track, respond to, and recover from a public health emergency.

SAF-12.6: **Organizational Partnerships.** The City shall partner with organizations responsible for essential health care and human services to ensure those services are provided as early as possible to respond during, and recover after, a public health emergency or event.

SAF-12.7: **Disease Vector Control.** The City shall work collaboratively with other agencies to control vectors such as mosquitos to protect Solvang residents from vector-borne diseases.

Climate Impacts

Climate change is a global phenomenon that has the potential to affect local health, natural resources, infrastructure, emergency response, tourism, and many other facets of society.

In Solvang, the most pronounced effects of climate change will be increased average temperature, more extreme heat days, and elevated drought risk, all of which may lead to increased wildfires. Wildfires, as mentioned previously in this Safety Element, have historically been an issue of concern in Solvang and throughout the region and will increasingly be a challenge for the City. Air quality impacts from fires, both local and throughout the western region, may also continue to be an issue. Air quality has generally been good in Solvang, however, more frequent occurrence of wildfires due to climate change is likely to disrupt this trend, as addressed in the Environment and Sustainability Element.

Goal SAF-13:

To reduce and/or prevent loss of life, injury, and property damage due to climate impacts.

Policies

SAF-13.1: **Water Conservation.** The City shall continue to support water conservation programs and efficiency upgrades through education, regulation, and incentives. The city will work with hotels and restaurant to encourage water use reduction measures.

SAF-13.2: **Climate Resilient Public Facilities.** The City shall require development, renovation, and maintenance of public facilities be designed to minimize vulnerabilities to climate impacts such as heat, fire, and drought.

SAF-13.3: **Resilience Hubs.** The City shall establish community facilities that provide a safe harbor to vulnerable populations during climate hazard events such as fires, poor air quality, extreme heat, and floods (known as resilience hubs).

SAF-13.4: **Building Retrofits.** The City shall support retrofits of existing structures to better withstand climate impacts, including extreme heat, poor air quality, fire, and floods.

SAF-13.5: **Green Infrastructure.** The City shall encourage development and redevelopment projects incorporate green infrastructure such as street trees, landscaping, and green and cool roofs to mitigate the effects of extreme heat events.

SAF-13.6: **Climate Adaptation Planning.** The City shall continue to evaluate and plan for climate change impacts and coordinate planning efforts with Santa Barbara County and other jurisdictions and agencies.

Assembly Bill 2140 (AB 2140) Fact Sheet

Information for Counties and Cities

What is AB 2140?

Passed in 2006, Assembly Bill No. 2140 (AB 2140) allows California counties and cities to be considered for additional state cost-share on eligible Public Assistance projects by adopting their current, FEMA-approved local hazard mitigation plans (LHMPs) into the Safety Element of their General Plan. This adoption, along with other requirements, makes the county or city eligible to be considered for part or all of its local-share costs on eligible Public Assistance projects to be provided by the state through the California Disaster Assistance Act (CDAA). For more information regarding Public Assistance, please visit Cal OES Public Assistance Division.

How Can AB 2140 Help Counties, Cities, and Your Citizens?

For eligible Public Assistance projects, the typical local (non-federal) cost share is 25% of the total project cost. CDAA can allow the state to pay up to 18.75% of the non-federal share, that would otherwise fall upon the county or city, to pay for eligible Public Assistance projects once the legislature has passed a bill allowing additional state funding after a disaster occurs. Upon approval of the legislature, counties and cities that are AB 2140 compliant are also eligible to be considered for the remaining 6.25% local share to be funded by the state, essentially covering the entire local-share cost for eligible Public Assistance projects. Please note that funding is not guaranteed.

What Do You Need to Know?

- AB 2140 is **not** a requirement; it is an optional state incentive to help counties and cities become more resilient to natural hazards. Be sure to work with your planning department as the process proceeds.
- There are multiple steps that must be completed before Cal OES can issue a letter of AB 2140 compliance. These steps are listed in detail below in the section *What Are the Steps to Become AB 2140 Compliant?*
- Be aware that adopting the LHMP via a formal resolution is a federal requirement for FEMA to officially "approve" the LHMP and does not make your jurisdiction automatically AB 2140 compliant. AB 2140 is a state incentive which also requires adopting your LHMP into the Safety Element of your General Plan. However, both adoptions can take place at the same time using the same adoption resolution.
- AB 2140 compliance expires when the LHMP expires. You must re-adopt the LHMP itself **AND** adopt the LHMP into the Safety Element of your General Plan each time you update your LHMP in order to continue compliance.
- For multi-jurisdiction hazard mitigation plans (MJHMPs), the county and each city in the MJHMP must adopt its own specific annex into its own General Plan

Safety Element. Annex jurisdictions are not covered under the county's adoption.

- Special districts are not eligible for AB 2140 compliance as they do not have General Plans.
- For additional information on General Plan and Safety Element requirements please contact the California Office of Planning and Research (OPR).

What Are the Steps to Become AB 2140 Compliant?

1. Complete and submit an LHMP to the Governor's Office of Emergency Services (Cal OES). A jurisdiction must have a current, FEMA-approved LHMP.
    a. Cal OES will provide an initial review and, if applicable, request required revisions based on the FEMA LHMP Guidance.
    b. Once Cal OES has determined the plan has met all FEMA LHMP requirements, Cal OES will then forward the LHMP to FEMA for final review and approval.
    c. For questions or assistance, please contact the Cal OES Local Mitigation Planning Unit at MitigationPlanning@CalOES.ca.gov.

2. LHMP adoption **AND** adoption into the Safety Element of the General Plan
    a. Adopt the LHMP via a formal resolution following your jurisdiction's typical procedure once FEMA has issued "approvable pending adoption" (APA) status. Once FEMA receives a signed adoption resolution, they can then issue an official "approval" notice for your LHMP.
        i. A sample adoption resolution for your LHMP is provided in Appendix B of the FEMA LHMP Policy Guide.
    b. At this time, you may also choose to adopt the LHMP into the Safety Element of your General Plan using the same resolution in order to meet a requirement of AB 2140 compliance (see step 3).
        i. Within the Safety Element update adoption resolution, there must be language specific to adopting the LHMP into the Safety Element of the General Plan, and the resolution must be signed and approved before the LHMP expires. This adoption can occur at the same time the LHMP is adopted to comply with FEMA requirements, or it can occur after the LHMP is approved but before it expires after five years.
    c. At any time during the life of an approved LHMP a jurisdiction may choose to adopt the LHMP into the Safety Element of their General Plan, however, when the LHMP expires, AB 2140 compliance will also expire.

3. Safety Element Language
    a. The local agency must include language specific to the LHMP within the Safety Element of their General Plan **and** make the LHMP easily accessible in its entirety as a weblink, appendices, or attachment (see step 4).
    b. Jurisdictions should follow their own internal procedures for Safety Element language, however, below is sample language that may be used:
        i. "The Local Hazard Mitigation Plan (LHMP) for the [*Add Jurisdiction Name*] planning area was developed in accordance with the Disaster Mitigation Act of 2000 (DMA 2000) and followed FEMA's Local Hazard Mitigation Plan guidance. The LHMP incorporates a process where hazards are identified and profiled, the people and facilities at risk are analyzed, and mitigation actions are developed to reduce or eliminate hazard risk. The implementation of these mitigation actions, which include both short and long-term strategies, involve planning, policy changes, programs, projects, and other activities. (Add a web link or language directing to the LHMP attachment or appendix within the Safety Element. Discussed further in step #4 below.)"

4. LHMP Accessibility and Links
    a. The current, approved LHMP must be easily accessible and available to the public viewing the Safety Element. This requirement can be met by linking the LHMP electronically to the General Plan Safety Element or by including the LHMP in its entirety as an attachment or appendix in the Safety Element and referencing its location with the plan.
    b. Web links should be monitored so that they are in working condition and bring the viewer to the most recent approved version of the LHMP.

5. E-mail the link to the updated General Plan Safety Element web page along with the signed adoption resolution(s) to the Cal OES AB 2140 inbox AB2140@CalOES.ca.gov for review and approval.

Frequently Asked Questions

Q: Who do I contact if I have additional questions regarding my LHMP or AB 2140 status?

A: For questions regarding AB 2140 compliance please contact AB2140@CalOES.ca.gov. For questions pertaining to your LHMP, please contact the Cal OES Local Hazard Mitigation Planning team at MitigationPlanning@CalOES.ca.gov.

Q: If a county is AB 2140 compliant, are its cities automatically covered?

A: No. Each county and city must:

1. Have either your own stand-alone LHMP or have an annex in a MJHMP.
2. Have adopted your approved stand-alone LHMP or annex into your own General Plan Safety Element.

Q: Can a jurisdiction obtain AB 2140 compliance before their LHMP is approvable pending adoption (APA) from FEMA?

A: No. The LHMP must be either APA or officially "approved" by FEMA before you may adopt to obtain AB 2140 compliance.

Q: Are special districts covered under their county's LHMP since they do not have their own general plan?

A: No. Special districts are not qualified for additional cost share under AB 2140 because they do not have a General Plan.

Q: If a county or city becomes AB 2140 compliant, does this compliance last forever?

A: No. AB 2140 compliance expires on the day the LHMP expires. You must re-adopt your LHMP into your General Plan Safety Element each time you update your LHMP.

Q: Once a county or city becomes AB 2140 compliant, are they guaranteed funding?

A: No. You will be eligible to be considered for additional CDAA funding upon approval of the legislature. There is no guarantee of funding.

Q: Can a city or county adopt their LHMP to obtain AB 2140 compliance at the same time they adopt their LHMP to fulfill the FEMA requirement when the LHMP is approvable pending adoption?

A: Yes, this is a viable option. It is crucial, however, that Cal OES receives a copy of the adoption resolution to ensure compliance. Your jurisdiction is

not compliant until Cal OES has documentation and has issued a compliance letter.

Q: If the actual LHMP is added to the General Plan, but not within the Safety Element, is language still required in the Safety Element?
A: Yes, language specific to the LHMP and a web link, appendix, or language within the Safety Element that directs the public to the most current, approved LHMP in its entirety is required to be in the Safety Element.

AB 2140 Compliance Checklist

In order to issue a letter of AB 2140 compliance, Cal OES will review and verify that your jurisdiction has performed the following:

- ✓ Has a current, FEMA-approved or approvable pending adoption (APA) LHMP.
- ✓ Formally adopted the LHMP via resolution.
- ✓ Formally adopted the most current, approved LHMP into the Safety Element of your General Plan via resolution.
- ✓ Included language within the Safety Element of your General Plan that references your LHMP.
- ✓ Included a web link, appendix, or language within the Safety Element that directs the public to the most current, approved LHMP *in its entirety*.
- ✓ E-mailed the link to the updated General Plan Safety Element web page along with the signed, adoption resolution(s) to the Cal OES AB 2140 inbox AB2140@caloes.ca.gov for review and approval.

For AB 2140 Questions: AB2140@CalOES.ca.gov

For LHMP Questions: MitigationPlanning@CalOES.ca.gov

For Public Assistance and CDAA Questions: DisasterRecovery@CalOES.ca.gov

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RESOLUTION NO. 25-03

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF SOLVANG, CALIFORNIA RECOMMENDING THE CITY COUNCIL AMEMD THE SAFETY ELEMENT OF THE GENERAL PLAN TO INCORPORATE THE CITY'S ADOPTED LOCAL HAZARD MITIGATION PLAN AND AMEND FIGURE SAF-8, FIRE HAZARD SEVERITY ZONES, FOR CONSISTENCY WITH THE CALIFORNIA DEPARTMENT OF FORESTY FIRE HAZARD MITIGATION MAP SUBJECT TO CITY COUNCIL ADOPTION OF THE SAME

WHEREAS, on July 8, 2024, the City Council adopted the City's Current General Plan; and

WHEREAS, the Federal Emergency Management Agency (FEMA) requires local governments to provide and maintain a hazard mitigation plan in order to qualify for several types of grant funding and assistance programs; and

WHEREAS, Public Law 106-390, Section 322, commonly known as the Disaster Mitigation Act of 2000 (DMA 2000), and the associated Interim Final Rule, 44 CFR Part 201 and 206, published in the Federal Register on February 26, 2002 establishes planning and funding criteria for states and local communities; and

WHEREAS, local jurisdictions may adopt a local hazard mitigation plan (LHMP) into the Safety Element of a General Plan to provide supplemental information and/or fulfill planning requirements pursuant to Government Code Sections 65302 and 65302.6; and

WHEREAS, pursuant to Assembly Bill (AB) 2140, California cities that adopt a LHMP, as well as incorporate the LHMP into the Safety Element of the city's General Plan, are eligible for increased State cost-share on certain Public Assistance projects, an important funding source in the event of disaster; and

WHEREAS, on April 10, 2023, the City Council adopted the City's current LHMP

WHEREAS, in order for the City's Safety Element to be compliant with the specifications of AB 2140, additional language must be added/modified to make the LHMP accessible in its entirety to the reader; and

WHEREAS, on March 10, 2025, the California Department of Forestry and Fire (CalFire) released updated fire hazard severity zone maps for local areas of responsibility in Santa Barbara County ("2025 CalFire Fire Severity Zone Map"); and

WHEREAS, on May 27, 2025 the City Council considered for first reading an ordinance to adopt the 2025 CalFire Fire Severity Zone Map for the City; and

WHEREAS, pending City Council adoption of the 2025 CalFire Fire Severity Zone Map, the Planning Commission desires to amend Figure SAF-8, Fire Hazard Severity Zones for consistency with the new map; and

WHEREAS, pursuant to the requirements of Senate Bill 18 (2004), the City notified local tribes of the Safety Element amendment, provided a 90-day period for consultation requests, and all requests for consultation have been completed; and

WHEREAS, the proposed General Plan Amendment is exempt from environmental review under the CEQA Guidelines Section 15061(b)(3) and Public Resources Code Sec. 21065, which exempts projects that would have no potential for causing a significant impact on the environment. The language being added and amended in the Safety element incorporates the LHMP document into the General Plan document and does not in itself propose any change to the environment. The LHMP contains goals and objectives for not only responding to hazards and emergencies, but proactively

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mitigating harmful effects to the built and natural environment; and

WHEREAS, the Planning Commission held a duly noticed public hearing on June 2, 2025 at which time all interested persons were given the opportunity to be heard.

NOW THEREFORE, THE PLANNING COMMISSION OF THE CITY OF SOLVANG DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The Recitals set forth above are true and correct and are adopted as findings in support of this Resolution.

SECTION 2. The Planning Commission of the City of Solvang hereby recommends that the City Council approve amendments to the General Plan Safety Element as depicted in Exhibit "A" and as follows:

- Add a new section entitled "Relationship to the Local Hazard Mitigation Plan" on page SAF-3
- Add a new policy "SAF-1.10: Local Hazard Mitigation Plan"

SECTION 3. The Planning Commission of the City of Solvang hereby recommends, subject to adoption of an ordinance adopting the 2025 CalFire Fire Severity Zone Map by the City Council, that the City Council amend Figure SAF-8, Fire Hazard Severity Zones, in the Safety Element of the General Plan consistent with the 2025 CalFire Fire Severity Zone Map.

SECTION 4. This Resolution is effective immediately upon adoption.

SECTION 5. The City Clerk shall certify to the passage and adoption of this Resolution and shall cause a certified copy to be filed in the book of original resolutions.

PASSED, APPROVED AND ADOPTED this 2nd day of June, 2025.

Signed by:
Jack Williams
048D75271602457...
Jack Williams, Chair

APPROVED AS TO FORM:

Signed by:
Taylor Foland
C82F63762EAB494...
Taylor Foland, Assistant City Attorney

ATTEST:

DocuSigned by:
Annamarie Porter
2EFC6CE62C12406...
Annamarie Porter, City Clerk

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STATE OF CALIFORNIA)
COUNTY OF SANTA BARBARA)ss
CITY OF SOLVANG)

I, Annamarie Porter, City Clerk of the City of Solvang, California do hereby certify that Resolution No. 25-03 was passed and adopted by the Planning Commission of the City of Solvang at a regular meeting of said Planning Commission held on the 2nd day of June, 2025, and thereafter signed and approved by the Chair and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES: ADLER, PETERSEN, SPARKS-GILLIS, WILLIAMS, ZIGLER

NOES: NONE

ABSTAIN: NONE

ABSENT: NONE

DocuSigned by:
Annamarie Porter
2EFC6CE62C12406...

Annamarie Porter, City Clerk

CITY COUNCIL STAFF REPORT

Agenda Item 8.a

Meeting Date: July 14, 2025

SUBJECT: **Introduce by title only for first reading Ordinance 25-0383 Amending Chapter 4 (Cross Connection Plan) of Title 9 (Water and Sewer) of the Solvang Municipal Code to update the City's Cross Connection Program and making a determination of exemption under the California Environmental Quality Act and receive and file an updated Cross-Connection Control Plan**

PREPARED BY: Jose Acosta, Utility Director

DISCUSSION:
In December 2023, the State Water Resources Control Board (SWRCB) adopted a new Cross-Connection Control Policy Handbook (CCCPH), which became effective July 1, 2024. The CCCPH replaces prior regulations under Title 17 of the California Code of Regulations and establishes updated standards for preventing backflow and ensuring potable water system integrity.

To comply with the new CCCPH, public water systems must:

- Develop and implement a formal Cross-Connection Control Plan (CCC Plan);
- Update local ordinances or operating rules;
- Submit the completed plan to the State Division of Drinking Water (DDW) by July 1, 2025.

The City of Solvang has prepared and submitted a comprehensive CCC Plan, which outlines the City's compliance framework for backflow prevention, hazard assessments, inspection and testing procedures, and legal enforcement authority. The Plan was prepared in coordination with certified specialists from Tetra Tech along with City staff.

In addition to submitting the plan, staff have drafted proposed revisions to Chapter 4 of Title 9 of the Solvang Municipal Code to align with the requirements of the CCCPH and to support enforcement of the CCC Plan.

Key Changes to the Ordinance

The revised ordinance includes the following notable updates:

- Updated Definitions: Aligning definitions with the CCCPH, including new terms such as "High Hazard Cross-Connection," "Premises Containment," and "Cross-Connection Control Specialist."
- Hazard Assessments: Establishing requirements for evaluating the degree of hazard posed by individual premises, including criteria based on complexity, auxiliary water sources, and prior incidents.
- Backflow Prevention Requirements: Expanding the City's authority to require and enforce installation, testing, and maintenance of backflow prevention assemblies, including specific timelines for repair or replacement.
- Testing and Certification: Establishing new certification standards and field-testing procedures for backflow prevention assembly testers, consistent with state requirements.
- Service Termination and Hearings: Clarifying enforcement provisions, including procedures for water service termination and the right to a hearing for non-compliance.

These updates are necessary to ensure the City's program remains compliant with State law and continues to protect the integrity of the public drinking water system.

On June 13, 2025, the State Division of Drinking Water issued an approval letter confirming that the City's CCC Plan complies with the CCCPH requirements.

Staff recommends that the City Council (i) receive and file the City's CCC Plan and (ii) introduce the proposed ordinance amending Chapter 4 of Title 9 of the Solvang Municipal Code for first reading by title only.

ALTERNATIVES:
None. The City must adopt the proposed ordinance amending Chapter 4 of Title 9 of the Municipal Code to follow the requirements of the SWRCB CCCPH.

FISCAL IMPACT:
There is no immediate fiscal impact resulting from the adoption of the plan and ordinance. Ongoing implementation will be managed by existing Water Division staff and contractors.

ATTACHMENTS:
A. Cross Connection Control Plan - Final DRAFT
B. Approval Letter from SWRCB- Dated June 13, 2025
C. Ordinance No 25-0383
D. Legislative Redline of Prior Ordinance

City of Solvang

Cross-Connection Control Plan



June 05, 2025

Draft

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Appendix A: Cross-Connection Questionnaire and Survey Form
Appendix B: Guidance for Installation of Air Gaps and Backflow Preventers
Appendix C: Cross-Connection Control Specialist Certificate
Appendix D: City's Legal Authority Ordinance Code
Appendix E: Inventory of BPAs Installed within the City of Solvang
Appendix F: List of FCCCHR Approved BPAs
Appendix G: Blank BPA Test Form
Appendix H: Backflow Incident Form
Appendix I: Compliance Notice
Appendix J: Outreach Brochure

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
AG	Air Gap
ANSI	American National Standard Institute
ASSE	American Society of Sanitary Engineering
AVB	Atmospheric Vacuum Breaker
AWWA	American Water Works Association
BPA	Backflow Prevention Assembly (testable)
CBSC	California Building Standards Commission
CC	Cross-Connection
CCC	Cross-Connection Control
CCCPH	Cross-Connection Control Policy Handbook
CCR	California Code of Regulations
CHSC	California Health and Safety Code
City	City of Solvang
County Health Department	County of Santa Barbara Health Department
CPC	California Plumbing Code
DC	Double Check Valve Backflow Prevention Assembly
FCCCHR	Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California
GIS	Geographic Information System
IAPMO	International Association of Plumbing and Mechanical Officials
PVB	Pressure Vacuum Breaker
PWS	Public Water System
RP	Reduced Pressure Principle Backflow Prevention Assembly
State Water Board or SWRCB	State Water Resources Control Board
SVB	Spill Resistant Pressure Vacuum Breaker
UL	Underwriters Laboratories

1.0 INTRODUCTION

The State Water Resources Control Board (State Water Board) adopted the *Cross-Connection Control Policy Handbook* (CCCPH) on December 19, 2023, establishing standards to protect public health by ensuring that a public water system's (PWS's) potable water distribution system will not be subject to the backflow of liquids, gases, or other substances, in accordance with California Health and Safety Code (CHSC), section 116555(a)(2). The CCCPH applies to all California PWSs as described in CHSC, section 116275(h) (SWRCB 2023).

The City of Solvang (City) owns and operates a PWS with approximately 2,106 service connections, and its operation is regulated by CCCPH requirements and prescribed standards. Specifically, as prescribed by the CCCPH, the City is required to prepare and submit by 1 July 2025 a Cross-Connection Control (CCC) Plan stating how it will meet the requirements of the CCCPH. The CCCPH also requires that the CCC Plan be developed in consultation with a certified CCC specialist if the PWS has 1,000 or more service connections. Since the City has more than 1,000 service connections, it contracted with Tetra Tech to provide a certified cross-connection control specialist to develop the CCC Plan. The Tetra Tech staff member in charge of preparing this CCC Plan is certified as a cross-connection control specialist by the American Water Works Association (AWWA).

Table 1 summarizes the City's potable water system.

Table 1. Water System Summary

Description	
Public water system name	City of Solvang
Public water system number	CA4210013
Number of residential service connections	1,808
Number of commercial service connections	279
Number of industrial service connections	19

Source: https://sdwis.waterboards.ca.gov/PDWW/

2.0 ACHIEVING AND MAINTAINING COMPLIANCE WITH THE CCCPH

This CCC Plan is designed to help the City strengthen its Cross-Connection Control Program and achieve and maintain compliance with the CCCPH. It reflects the elements that the City has in place to protect its potable water supply while addressing state compliance requirements established under the recently approved CCCPH. The plan consists of sections 1.0 Introduction, 2.0 Achieving and Maintaining Compliance with the CCCPH, 3.0 Hazard Assessments, 4.0 Legal Authority, 5.0 Process and Time Frames for Inspections and Field Testing, 6.0 Non-testable Backflow Preventer Installation and Maintenance, 7.0 BPA Field Tester Requirements, 8.0 Backflow Incident Procedure, 9.0 Tracking System, 10.0 User Supervisors, 11.0 Corrective Actions, 12.0 Public Outreach, 13.0 Coordination with Local Entities, and 14.0 Works Cited.

Implementation of the CCC Plan combined with the established City ordinance will constitute Solvang's Cross-Connection Control Program. The CCC Plan describes the necessary elements and procedures required to help the City meet the requirements of the CCCPH. Its execution will be an additional step the City takes toward continuing its tradition of providing safe drinking water to its residents. The adoption of the CCC Plan will provide the elements of consistency and continuity as the City's Cross-Connection Control Program continues to thrive.

3.0 HAZARD ASSESSMENTS

This section describes the process, personnel, and time frames for completing initial and ongoing hazard assessments pursuant to CCCPH section 3.2.1. Hazard assessments are intended to assist in developing an understanding of the level of hazard posed by each facility connected to the potable water distribution system. Initial hazard assessments are conducted to establish a baseline for all commercial (i.e., commercial, industrial, and agricultural) and residential facilities whereas ongoing hazard assessments are conducted to revisit facilities that undergo modifications, such as changes in operations or processes and remodeling. Another reason for ongoing hazard assessments is the presence of new cross-connections (CCs) observed during the process of conducting day-to-day field operations by City staff.

The following sections describe the time frame for conducting the initial hazard assessment and the process of conducting initial and ongoing hazard assessments.

3.1 INITIAL HAZARD ASSESSMENTS TIME FRAME

The City will conduct initial hazard assessments of water users' premises (e.g., City buildings; commercial, industrial, and agricultural establishments; and residential units) to assign a hazard level to each facility connected to the City's potable water distribution system.

The City will conduct the initial hazard assessment of all users' premises and its potable water distribution system within a 4-year period at the rate of 25 percent of all facilities per year. Hazard assessments will target 25 percent of residential connections and 25 percent of commercial connections each year, with the priority being facilities as described in the summary of the hazard assessment plan provided in **Error! Reference source not found.**.

Table 2. Initial Hazard Assessments Summary

Year No.	Calendar Year	Premises Type	Target (%)	Priority
1	2026	Commercial, residential	25	• High hazard facilities fitting the description of those listed in Appendix D of the CCCPH • Residential facilities with pools
2	2027	Commercial, residential	25	• Commercial facilities with BPAs for which hazard levels have not been determined • Residential facilities with domestic wells
3	2028	Commercial, residential	25	• Commercial facilities with intricate plumbing systems • Multifamily residential complexes
4	2029	Commercial, residential	25	• Commercial facilities in general • Residential facilities in general

Note: BPA – backflow prevention assembly.

At the time this CCC Plan was being prepared, a profile of all facilities connected to the City's potable water system had not been completed because of the complexity of the research required (e.g., record research and analysis). As a result, it is probable that, in the process of grouping residential and commercial facilities, there will be less or more than 25 percent of the targeted facilities assessed during a specific year. For example, it is possible that, in year 1, the number of the type of high-hazard facilities listed in Appendix D of the CCCPH will be less than 25 percent of the City's total number of commercial facilities. In such a case, to conduct assessments of 25 percent of the facilities that need to be assessed, facilities from the following year will be targeted and

assessed. Similarly, if there are too many facilities of the type being targeted in any given year, the surplus will be rolled over to the following year. For this reason, during the first hazard assessment year, a thorough review of records will be conducted to determine facility type and features that provide information necessary to profile and group each facility.

3.2 HAZARD ASSESSMENT APPROACH

This CCC Plan's approach to performing hazard assessments consists of conducting a survey of all the facilities connected to the City's potable water system, determining hazard level for each facility, and determining backflow prevention methods to control CCs.

3.2.1 Cross-Connection Survey

The survey effort consists of using several exercises geared toward determining the level of hazard presented by each end facility. The key measures include a CC survey questionnaire and a CC survey form, review of available permitting and as-built records, and site visits to user premises. Appendix A provides the survey questionnaire and the survey form. The following describes the key elements of the CC survey.

3.2.1.1 GIS Maps and Tracking Application

An atlas-type booklet depicting the City's distribution system will be assembled as a tool to navigate and track areas and facilities targeted each year for hazard assessment. The City will also employ a geographic information system (GIS) application similar to ArcGIS Field Maps to document observed uncontrolled CCs and installed backflow preventers. The application will enable the City to instantly track hazard assessment progress by using a color-coding feature that assigns different colors for surveyed facilities versus not surveyed facilities. The application will also enable the survey team to document the location of observed CCs and existing backflow preventers as well as download and validate compiled data back in the office. Key data collected in the application are represented in the CC Survey form included in Appendix A.

3.2.1.2 Records Review

To identify the type of operations and processes, a review of existing records will be conducted. Coordination with the City's engineering, utility, and permitting departments will be carried out to procure available records leading to developing an understanding of each facility's water uses. The records will be reviewed for specific systems, including, but not limited to, swimming pools, irrigation systems, fire sprinkler systems, boilers, chillers, cooling towners, and auxiliary sources (e.g., domestic wells and recycled water).

3.2.1.3 Cross-Connection Survey Form and Questionnaire

At the beginning of the first year of hazard assessments, a CC questionnaire will be mailed out to all residents and business owners. The questionnaire will also be made available through the City's Cross-Connection Control and Backflow Prevention web page so that it can be viewed and completed with the use of a personal computer or mobile device. The City's Cross-Connection Control and Backflow Prevention web page address is https://www.cityofsolvang.com/168/Water-Division. Completed returned questionnaires will be reviewed, evaluated, and compiled. The results will be used to help determine the hazard level of each facility.

At the beginning of the second year and each subsequent year, questionnaires will be sent out again to customers who did not answer the questionnaire the previous year. This approach is geared toward collecting the maximum number of completed questionnaires and to understanding hazard levels posed by each customer connected to the City's potable water distribution system.

3.2.1.4 Site Visit

At the time of the preparation of this CCC Plan, the City had identified water uses for most of the CCs having backflow prevention assemblies (BPAs) that are inventoried in the City's Backflow Prevention Tracking System based on prior site visits to commercial facilities, review of as-built drawings, and information provided by BPA testers. Site visits will be conducted to confirm that existing BPAs are adequately protecting against their associated CCs and to identify any BPAs and CCs for which records have not been previously identified.

3.2.1.4.1 Commercial Facilities

Site visits to commercial facilities (e.g., commercial, industrial, and agricultural) will be conducted to verify existing BPA information, document installed BPAs not currently inventoried in the City's tracking system, and identify any unprotected CCs needing backflow protection. Existing BPAs will be inspected for information including point of use, manufacturer's plate data verification, and proper installation per California Plumbing Code (CPC) and manufacturer's recommendations. Air gaps (AGs) will be recorded and inspected to determine proper operation, and that the installation complies with the CPC.

3.2.1.4.2 Residential Premises

Residential premises (single-family and multi-family) will be grouped by community based on construction patterns such as year constructed and similar construction configuration. As-built drawings will be reviewed to identify community groupings and structure configurations. On-site visits will be conducted as needed to verify community groupings, verify existing BPA information, document installed BPAs that may not be currently inventoried in the City's tracking system, and identify any unprotected CCs needing backflow protection. On-site visits will be focused on community areas and landscapes with irrigation systems requiring BPAs.

3.3 HAZARD DETERMINATION

The information collected from the record review process, customers' completed questionnaires, and survey site visits will be compiled, validated, and used to determine level of hazard for each facility.

The degree of hazard associated with a CC is either a pollution (or non-health) or contamination (or health) hazard and is related to the conditions within a system supplied with potable water. A non-health hazard is ranked as low hazard. A health hazard is ranked as high hazard.

The hazard assessment will also determine whether existing BPAs provide adequate protection based on the degree of hazard determined for the associated CC. The following sections describe the criteria used to determine hazard levels.

3.3.1 Cross-Connections

A CC is an actual or potential connection between drinking water piping and a non-potable water source (e.g., sink, toilet, irrigation system, fire sprinkler system, pool, chiller, or boiler). Potable water can become impaired by pollutants or contaminants through backflow.

The CPC describes pollution as an impairment of the quality of the potable water to a degree that does not create a hazard to the public health, but which does adversely and unreasonably affect the aesthetic qualities of the potable water for domestic use. The CPC also describes contamination as an impairment of the quality of the potable water that creates an actual hazard to the public health through poisoning or through the spread of disease by substances such as sewage, industrial fluids, or waste (CBSC 2022).

Backflow is the undesired flow of pollutants or contaminants into the potable water system. Backflow can occur through either backsiphonage or backpressure. Backsiphonage is created when the supply water pressure is lowered to a sub-atmospheric condition. For example, backsiphonage can occur when a main water line that is

installed below the street surface breaks, causing a pressure loss downstream of the break, and drawing water with non-potable substances from a higher elevation into the potable water system. Backpressure occurs when the downstream pressure is higher than the supply pressure. One instance in which backpressure can occur is when circulating pumps installed in the drinking water supply network introduce a reverse of flow at a pressure higher than the supply pressure.

Plumbing fixtures (e.g., lavatories, toilets, urinals, sinks, tubs, showers, and hose bibbs) installed in accordance with the plumbing code typically use AGs or vacuum breakers to protect potable water. Other plumbing systems such as irrigation systems, fire sprinkler systems, boilers, and chillers are required to use BPAs or other types of backflow prevention devices.

Each facility poses either a pollution (or non-health) or contamination (or health) hazard depending on various factors, including the type of operations, plumbing configurations, and materials used for each facility. Hazard level for each facility will be primarily based on the CC with the highest hazard level associated with the facility. Each CC within a facility represents a pollution or contamination hazard. Non-health hazards impair the aesthetics of potable water and are also called low hazards. Health hazards are capable of inflicting health damage to humans and are also referred to as high hazards. **Table 3** provides a list of typical CCs found in facilities.

Table 3. Typical Cross-Connections Found in Facilities

Cross-Connection	Pollutants or Contaminants	Hazard Level	Typical Backflow Prevention Method
Fire sprinkler system	Stagnant water and pipe residues	Low	DC
Fire sprinkler system	Injected chemicals	High	RP
Irrigation systems	Fertilizers, herbicides, pesticides, pet waste	High	AVB, RP
Boilers and chillers	Corrosion inhibitors	High	RP
RV dump stations	Sewage	High	AG, RP
Laboratory faucets	Chemicals	High	AVB
Mop and service sink	Wash water and cleaning agents	High	AVB
Dish washer and food processors	Wash water, food waste, cleaning agents	High	AVB
Pool	Used chlorinated water	High	AG, RP

Notes: AG – air gap; AVB – atmospheric vacuum breaker; DC – double check valve backflow prevention assembly; RP – reduced pressure principle backflow prevention assembly; RV – recreational vehicle. The list in this table does not include all CCs found within facilities.

3.3.1.1 Degree of Plumbing System Complexity

Due to its complexity, an intricate plumbing system may introduce CCs when modifications are required. For this reason, facilities with complex plumbing systems will be deemed as having a high hazard level. A complex plumbing system typically has multiple CCs associated with points of use such as but not limited to irrigation

systems, fire sprinkler systems, boilers, chillers, pumps, and manufacturing processes. Facilities with complex systems will typically be identified during the CC survey.

3.3.1.2 Auxiliary Water Supplies

Auxiliary water supplies such as domestic wells supply water that has not been treated to meet primary and secondary water quality standards. These systems are typically fitted with pumps to pump ground water to the surface. These pumps introduce pressure to move water from a lower to a higher elevation. When interconnected with the potable water system, they introduce a backpressure against the supply pressure of the potable water system. For this reason, facilities with auxiliary water supplies will be deemed as having a high hazard level. Auxiliary systems will be identified either during the process of reviewing construction records or while on an on-site survey.

3.3.1.3 Facilities with Likelihood of Introducing Backflow

Facilities with distribution system conditions that may increase the likelihood of a backflow event, such as hydraulic gradient differences impacted by main breaks and high-water demand situations, and/or multiple service connections will be assessed as having a high hazard level. This type of facility will be most likely identified during the CC survey.

3.3.1.4 User Premises Accessibility

Premises with accessibility constraints represent an unknown with possible high-hazard CCs. For this reason, facilities with accessibility constraints will be assessed as having a high hazard level.

3.3.1.5 History of Previous Backflow Incidents

Facilities with a history of previous backflow incidents on the user premises will be deemed as having a high hazard potential and will be assigned a high hazard level.

3.4 CROSS-CONNECTION CONTROL

Guidance in the *Manual for Cross-Connection Control, 10th Edition* will be used to determine whether installed BPAs are adequate to protect the potable water system, to determine the type of CCC method for uncontrolled CCs identified during survey efforts, and to determine appropriate CCC for new plumbing systems (USC FCCCHR 2009). **Table 4** summarizes acceptable backflow protection for different conditions.

Table 4. Backflow Protection Requirements

Hazard	Backflow Type	Acceptable Backflow Prevention Method
High	Backpressure	RP, AG
High	Backsiphonage	PVB, SVB, RP, AG
High	Backsiphonage (less than 12 hours of continuous use)	AVB, SVB, PVB, RP, AG
Low	Backpressure	RP, DC, AG
Low	Backsiphonage	PVB, SVB, DC, RP, AG

Hazard	Backflow Type	Acceptable Backflow Prevention Method
Low	Backsiphonage (less than 12 hours of continuous use)	AVB, PVB, SVB, RP, DC, AG

Notes: AG – air gap; AVB – atmospheric vacuum breaker; DC – double check valve backflow prevention assembly; PVB – pressure vacuum breaker; RP – reduced pressure principle backflow prevention assembly; SVB – spill resistant pressure vacuum breaker.

A summary of backflow prevention methods is provided below:

Air Gap. The simplest backflow prevention control is the AG. An approved AG is the unobstructed vertical distance through free atmosphere between the lowest point of a water supply outlet and the flood level rim of the fixture or assembly into which the outlet discharges. These vertical, physical separations must be at least twice the diameter of the water supply outlet, but never less than one inch. An example of an AG is presented in a common bathroom lavatory where the faucet outlet is separated from the lavatory rim by an AG.

Atmospheric Vacuum Breaker (AVB). The AVB consists of an air inlet seat with a float that seals against the seat during normal flow conditions. This device will guard against backsiphonage but not backpressure conditions in low and high hazards.

Double Check Valve Backflow Prevention Assembly (DC). The DC has two internal, spring-loaded check valves that open when the water is flowing in the correct direction and close when flow stops or reverses. The DC is effective against backflow caused by backpressure and backsiphonage in low hazards.

Pressure Vacuum Breaker (PVB): The PVB consists of an independently operating, internally loaded check valve and an independently operating, loaded air inlet valve located on the discharge side of the check valve, with properly located resilient-seated test cocks and tightly closing resilient-seated shutoff valves attached at each end of assembly. The PVB is effective against backflow caused by backsiphonage low and high hazards and should not be used if backpressure could develop in the downstream piping.

Reduced Pressure Principle Backflow Prevention Assembly (RP). The RP offers the most protection against backflow and backsiphonage conditions. The RP contains two check valves like the DC but also contains a pressure-differential relief valve located between the two check valves.

Spill Resistant Vacuum Breaker (SVB). The SVB is essentially the same as a PVB except it is designed to minimize spills from the air inlet port.

3.4.1 Cross-Connection Abatement

Cross-connections created by water users must be abated with the installation of an approved backflow prevention measure and in accordance with this CCC Plan. The water user will be responsible for bearing the cost of implementing backflow prevention measures associated with user generated CCs. The type of backflow prevention must be commensurate with the degree of hazard that exists on the water user's premises. BPAs must be installed as close as practical to the meter box and public right-of-way.

Guidance in the *Manual for Cross-Connection Control, 10th Edition* and provided as reference in Appendix B will be used for proper installation of AGs and backflow preventer (USC FCCCHR 2009).

3.5 ONGOING HAZARD ASSESSMENT

Following the completion of the initial hazard assessment, the City will perform subsequent hazard assessments based on the conditions summarized below.

- If a user premises changes account holder, except for single-family residences;
- If a user premises is new or re-connected to the City's potable water system;
- If evidence exists of changes in the activities or materials on a user's premises;
- If backflow from a user's premises occurs;
- If the SWRCB requests a hazard assessment of a user's premises; and
- If the City concludes an existing hazard assessment may no longer accurately represent the degree of hazard.

The approach for conducting initial hazard assessments will be used to conduct ongoing hazard assessments. However, emphasis will be placed on site visits.

No other time frame for conducting ongoing hazard assessments is established aside from the conditions summarized above which can occur at any given time.

3.6 PERSONNEL

Table 5 summarizes key personnel involved in the successful implementation of initial and ongoing hazard assessments.

Table 5. Key Personnel

Personnel	Organization	Role	Point of Contact Information
Jose Acosta	City of Solvang	Utility Director	1644 Oak Street Solvang, CA 93463 (805) 688-5575 x222 jacosta@cityofsolvang.com
Mike Mathews	City of Solvang	Water Supervisor	1644 Oak Street Solvang, CA 93463 (805) 688-5575 x229 mikem@cityofsolvang.com
Andrew Guynn	City of Solvang	Lead Water Operator/Cross-Connection Control Coordinator. Hazard assessment Lead.	1644 Oak Street Solvang, CA 93463 (805) 688-5575 x229 andrewg@cityofsolvang.com
Victor Velazquez	Tetra Tech	Cross-Connection Control Specialist/ Consultant	3201 Airpark Drive Suite 108 Santa Maria, CA 93455 (805) 455-7439 Victor.Velazquez@tetratech.com

Mr. Jose Acosta is the City's Utility Director. He is responsible for ensuring that resources are available to support the implementation of the City's Cross-Connection Control Program.

Mr. Mike Mathews is the City's Water Supervisor. He is responsible for overseeing the City of Solvang potable water operations.

Mr. Andrew Guynn is the City's Lead Water Operator. He is also the City's Cross-Connection Control and Backflow Prevention Coordinator. He is responsible for ensuring that BPAs are tested per their test schedule, maintaining BPA records, testing City BPAs, approving and coordinating installation of new BPAs, and ensuring that existing BPAs are installed per the CPC standards. Mr. Guynn is also responsible for planning, coordinating, and conducting CC surveys in support of hazard assessments. He will be the lead responsible for ensuring hazard assessments are completed.

Mr. Victor Velazquez is the City's Cross-Connection Control Specialist consultant. He is responsible for overseeing the CC surveys; compiling, reviewing, and validating CC survey results; and assigning hazard levels to CCs and facilities. Mr. Velazquez is also responsible for preparing hazard assessment reports. Mr. Velazquez is certified by AWWA as a CCC specialist. A copy of Mr. Velazquez's certificate is provided in Appendix C.

4.0 LEGAL AUTHORITY

This section describes the legal authority pursuant to CCCPH section 3.1.3 to implement corrective actions in the event a water user fails to comply in a timely manner with the provisions of the City's Cross-Connection Control program.

The City has the legal authority to pursue corrective actions in the event a water user fails to comply in a timely manner with the City's provisions regarding the installation, inspection, field testing, or maintenance of BPAs required pursuant to chapter 3 of the CCCPH. The City's legal authority is codified in the City's ordinances summarized in the following sections. A copy of the City's ordinance is included as Appendix D.

- Section 9-3B-4, Cross Connections
- Section 9-3B-7, Backflow Prevention
- Chapter 4, Cross Connection Program

5.0 PROCESS AND TIME FRAMES FOR INSPECTIONS AND FIELD TESTING

This section describes the process and time frames for ensuring each BPA is inspected and field tested, and AGs are inspected at a frequency no less than required by chapter 3 of the CCCPH.

The City requires water users to install backflow preventers (e.g., BPAs and AGs) within their facilities to prevent contamination and/or pollution of the City's potable water distribution system.

BPAs must be kept in good working order. To ensure that BPAs perform accordingly, they must be tested at the time of installation, after undergoing repairs, before being put in service after a period of inactivity, and on an annual basis. Appendix E provides an inventory of backflow preventers installed within the City.

The following sections provide a description of BPA testing requirements and AG inspections.

5.1 BPA INSPECTION AND TESTING REQUIREMENTS

5.1.1 Inspection

BPAs must be inspected at the time of installation to ensure that their installation meets the CPC standards and/or manufacturer prescribed installation requirements. Water users must provide manufacturer specifications sheets for BPAs proposed for installation. Proposed BPAs must be selected to adequately provide protection against the CC for which they are installed. BPA installations must be inspected and approved by the CC and backflow prevention coordinator.

BPAs installed in the City must be within the list of BPAs approved by the Foundation for Cross-Connection Control and Hydraulic Research (FCCCHR), which can be obtained from the FCCCHR website at https://fccchr.usc.edu/list.html. A copy of the list of approved BPAs published at the time this CCC Plan was prepared is included as Appendix F.

5.1.2 Field Testing

The City requires BPAs to be tested at the time of installation, following a repair, at time of reinstatement following a period of inactive status (i.e., the water supply to the BPA is suspended by closing shutoff valves), relocation, and annually. All required field testing must be performed by certified BPA testers. Field testing of BPAs must be performed in accordance with procedures prescribed in the FCCCHR *Manual of Cross-Connection Control, Tenth Edition*.

The City has a BPA testing plan that requires each backflow preventer to be scheduled for field testing at least once during any given year. Customers with BPAs are divided into 12 groups, each of which is scheduled for testing in a specific month of the year.

5.1.2.1 BPAs with Passing Results

When a BPA is field tested with a passing result, the subsequent test for that BPA is due the following year on its assigned scheduled month. All BPAs with a passing test result will be deemed compliant for testing purposes.

5.1.2.2 BPAs with Failed Results

Any BPA that fails a field test is required to be repaired or replaced and retested with a passing result within 30 days of notification of the failure to the City. The City may allow extensions on a discretionary basis based on the City's understanding of needed planning and coordination required for elements such as procurement of parts and water line shutdowns. Water users must communicate to the City the need for additional time and provide valid reasoning for the request. The City reserves the right to grant the request for any reason.

5.1.2.1 BPAs Placed in Inactive Status

Users are required to notify the City when a BPA becomes inactive due to circumstances such as shutting off the water supply to the BPA or the building's service connection. The City will keep BPAs in inactive status until the customer requests the reinstatement of the BPA or if the City observes that the BPA has become active (e.g., supplying water to a point of use such as an irrigation system). The BPA must pass a field test prior to being reinstated. Failure to conduct the field test will result in the City's decision to deny service.

5.1.2.2 Backflow Incidents and Unprotected Cross-Connections

The City requires BPA testers to report to the City as soon as possible within 24 hours any suspected or actual backflow incidents or unprotected CCs.

Upon learning of the backflow incident or unprotected CC, the City will conduct an investigation to collect evidence, determine whether an actual backflow incident occurred, or a CC exists, and identify the steps necessary to mitigate backflow incident or cross-connection.

Backflow incident investigation and reporting procedures are described in detail in section 8.0 of this CCC Plan.

5.2 AIR GAP

The simplest backflow prevention control is the AG. An approved AG is the unobstructed vertical distance through free atmosphere between the lowest point of a water supply outlet and the flood level rim of the fixture or assembly into which the outlet discharges. These vertical, physical separations must be at least twice the diameter of the water supply outlet, but never less than one inch. An example of an AG can be found in a common bathroom lavatory where the faucet outlet is physically separated from the lavatory rim.

AGs must be inspected at the time of installation, following a repair, at time of reinstatement following a period of inactive status, and annually. The inspection must be completed by a certified BPA tester. AGs that do not meet installation requirements prescribed on Table 603.3.1, Minimum AGs for Water Distribution, of the CPC will be deemed non-compliant and will require immediate repair.

6.0 NON-TESTABLE BACKFLOW PREVENTER INSTALLATION AND MAINTENANCE

This section describes the process and time frame for ensuring each non-testable backflow preventer that is under the City's ownership or administration is installed and maintained according to the CPC and/or manufacturer recommended installation standards.

6.1 APPROVAL

Non-testable backflow preventing devices under the City's ownership or administration must be approved before their installation. The City's backflow prevention coordinator will review specifications sheets and approve or deny installation of non-testable backflow prevention devices.

All non-testable backflow prevention devices must meet standards from any of the following organizations:

- AWWA
- American Society of Sanitary Engineering (ASSE)
- International Association of Plumbing and Mechanical Officials
- Underwriters Laboratories (UL)

6.2 INSTALLATION

Non-testable backflow preventers that are under the City's ownership or administration must be installed per the CPC.

6.3 MAINTENANCE

Maintenance and repair of non-testable backflow preventers must be completed in accordance with manufacturer's recommendations.

Non-testable backflow preventers will be inspected at the time of installation, following a repair, at the time of reinstatement following a period of inactive status with valves shut-off, and relocation.

7.0 BPA FIELD TESTERS REQUIREMENTS

This section describes the process for ensuring individuals field testing and inspecting BPAs are no less qualified than required by chapter 3 of the CCCPH, including but not limited to confirmation of the individual's certification as a BPA tester, field test kit accuracy verification, and BPA field test result reports.

7.1 CERTIFICATION

BPAs are to be tested by certified BPA testers who have been certified in accordance with the compliance requirements outlined in **Table 6**.

Table 6. BPA Tester Certification Compliance Dates

Tier	Starting Compliance Date	Requirement
1	1 July 2025	• BPA testers must be certified by a certifying organization recognized by the State Water Board as a certifying organization for BPA testers pursuant to Article 4, subsection (c) of the CCCPH.
2	1 July 2028	• BPA testers must be certified by an American National Standard Institute-accredited certifying organization accredited in accordance with Article 4, subsection (b) of the CCCPH and ISO/IEC 17024. • BPA testers with certifications obtained from organizations in accordance with Article 4, subsection (c) of the CCCPH will be invalid.

7.2 PROHIBITIONS

BPA testers will not be allowed to test BPAs within City limits under the following circumstances:

- If the tester is found to be deficient in accurately determining the operating condition of BPAs, and
- If the tester incurs in falsification of records.

Testers found to be incurring in falsification will be reported to their certifying agency immediately.

7.3 BPA TESTER VERIFICATION

Individuals and companies seeking to test BPAs within City limits must provide valid copies of current BPA tester and test kit calibration certificates to the City's backflow prevention coordinator. Authorization to test BPAs within the City limits will be granted once BPA tester certificates have been confirmed with the certifying organizations.

7.4 FIELD TEST KIT ACCURACY VERIFICATION

Field test kits accuracy must be verified via a certificate issued by a laboratory using equipment that has been calibrated using measurement standards traceable to the National Institute of Standards and Technology

standards. Test kits must be certified annually. Test records generated with test kits with expired verification certificates will be considered invalid.

7.5 BPA FIELD TEST RESULT REPORTS

Upon completion of field testing, BPA testers must provide copies of test results for each BPA tested. Appendix G provides a copy of a blank test form used by the City to record field test results.

8.0 BACKFLOW INCIDENT PROCEDURE

This section describes the procedures and time frames of activities for responding to backflow incidents, including notification of customers, and reporting of backflow incidents pursuant to CCCPH section 3.5.2.

A backflow incident constitutes the introduction of undesired substances into the potable water system through either backsiphonage or backpressure.

8.1 NOTIFICATION

Within 24 hours, the City will notify the State Water Board and the County of Santa Barbara Health Department (County Health Department) of any known or suspected backflow incidents.

If required by the State Water Board, the City will issue a Tier 1 public notification pursuant to the California Code of Regulations (CCR), title 22, section 64463.1.

8.2 DOCUMENTATION OF THE INVESTIGATION

The City will investigate all reported backflow incidents or unprotected CCs immediately after being reported. The City will use the backflow incident form included as Appendix H to document and report the investigation.

8.3 RESPONSE AND FOLLOW-UP ACTIVITIES

8.3.1 Backflow

The City will isolate the source of a backflow by shutting off the supply valves to the source under the City's ownership or administration. Backflow incidents occurring within facilities are regulated by the County Health Department. Any backflow incidents occurring within a facility will be reported to the County Health Department. However, if a backflow incident originates within a facility and cannot be isolated within that facility so that it extends beyond the facility limits (i.e., the water meter) and into the City's potable water system, the City will suspend service to that facility by shutting off the service connection valve. Service to the affected facility will not be restored until the backflow incident is controlled either by severing the plumbing conveying water to the source of the backflow so there is a physical separation between the source and the supply lines or by installing an approved backflow preventer with passing test results.

8.3.2 Unprotected Cross-Connection

Unprotected CCs under City administration or ownership will be protected with either an AG or a backflow preventer (testable or non-testable).

9.0 TRACKING SYSTEM

This section describes the tracking system that the City uses to maintain current and relevant information pursuant to section 3.5.1 of the CCCPH.

The City manages its backflow preventer records using a spreadsheet tracking system designed to store, track, and manage BPA information. The tracking system is complemented with records in PDF files stored at the City's Water Department. The following describes the tracking system.

Customer Profiles. This feature allows for the creation of customer profiles, including information such as business name, point of contact, address, telephone number, and email address.

BPA Profile. This feature is used to create and store BPA information such as manufacturer, serial number, size, point of use, hazard level, and location.

BPA Test History Records. Recordkeeping information required pursuant to CCCPH section 3.5.1 is achieved in PDF format. This process allows for storage of test records for each BPA. Each BPA has a historical record of test results from the time the BPA was first installed or first recorded in the tracking system until its replacement or removal.

Compliance System. The compliance tracking feature enables the City to track compliance status associated with BPA testing due dates. The compliance system ensures that backflow preventers are tested when due (i.e., annually). It includes a letter notice that lists and describes a customer's backflow preventers, the testing due date, the state regulation and city ordinances specifying the testing compliance requirement, and instructions for mailing the test results. A copy of the compliance notice is included as Appendix I.

10.0 USER SUPERVISORS

Neither the State Water Board nor the City has required the designation of user supervisors within City limits. Therefore, currently there are no user supervisors under the City's jurisdiction.

User supervisors are typically required at industrial facilities with multiple water systems subject to frequent piping reconfigurations and reconnections. User supervisors, if required, must possess knowledge of CCC practices and regulation and must be intimately familiar with the plumbing system within their premises. Premises required to assign a user supervisor must present evidence supporting the qualifications of the user supervisor. Evidence includes, but is not limited to, certificates of training in CCC, plumbing, and years of experience overseeing the premises plumbing system.

11.0 CORRECTIVE ACTIONS

This section describes the corrective actions and respective time frames required to correct and abate CCs pursuant to CCCPH section 3.1.4(c)(11).

11.1 CROSS-CONNECTION WITH DEFICIENT BPA

A BPA installed to prevent backflow from a CC that has a level of hazard higher than the BPA is designed and approved for is considered a CC and must be abated in accordance with the CC abatement period described in Table 7.

Table 7. Cross-Connection Abatement Period

Pipe Size (inches)	Level of Hazard	Potential Backflow Type	Abatement Period
¾ to 2	Low or high	Backsiphonage	30 days
		Backpressure	Immediately
> 2 to 4	Low or high	Backsiphonage	60 days
		Backpressure	Immediately
> 4	Low or high	Backsiphonage	120 days
		Backpressure	Immediately

11.2 CROSS-CONNECTION WITH NO BACKFLOW PREVENTION

Identified CCs that have no BPA or backflow prevention measures in place must be abated per the schedule in **Table 7**.

The abatement period starts the day the CC is first observed and documented.

11.3 BPA REPAIR AND REPLACEMENT

Installed BPAs needing repairs must be repaired within 30 days. Installed BPAs needing replacement must be replaced within 60 days.

12.0 PUBLIC OUTREACH

This section describes the public outreach and education program required to comply with CCCPH section 3.1.3(a)(9).

The City will implement the distribution of a CC brochure, which is included as Appendix J, in a systematic approach that involves the City's billing system, Cross-Connection Control and Backflow Prevention web page, and backflow testing notice process.

A hard copy of the brochure will be mailed out to customers during the first quarter of each calendar year to raise awareness among and engage the public in the recognition and importance of CCC. The brochure includes contact information for customers to reach out and obtain answers to questions regarding concerns associated with plumbing connections that may be creating a CC.

The brochure will also be posted on the City's Cross-Connection Control and Backflow Prevention web page, which is accessible to customers and the general public through personal computers or smart mobile devices from any part of the world.

The brochure will also be mailed out along with monthly BPA testing compliance notices to customers who own backflow preventers. On a monthly basis, the City issues notices to remind customers that their backflow preventers are due for testing. The notices are issued every month to a different group of customers so that within a year, all recorded backflow preventers within the City will be tested according to their test schedule.

This public outreach and education approach is designed to maintain consistent and continuous CC awareness by ensuring that all customers within the City are reached at least once during the year through the issuing of the

brochure on water bills and monthly through the backflow preventer testing notice system. This approach also provides information through the City's website for easy access from anywhere with the help of a computer or smart phone.

13.0 COORDINATION WITH LOCAL ENTITIES

This section describes the procedure required to coordinate with local entities that are involved in either CCC or public health protection to ensure hazard assessments can be performed, appropriate backflow protection is provided, and assistance in investigating backflow incidents is provided.

Various entities play an important role in support of the successful completion of hazard assessments, implementation of backflow prevention, and assisting backflow incident investigations. **Table 8** provides a list of entities, point of contact information, and a description of key elements that each entity provides to support hazard assessments, backflow protection, and backflow incident reporting.

Table 8. Local Entity Coordination

Entity	Point of Contact Information	Key Support Elements
Planning and Building	(805) 688-5575 411 Second Street Solvang, CA 93463	• Maintains records of as-built drawings. • New construction design review. • Coordinates approval of BPA and AG installation for new constructions with backflow prevention coordinator.
Utility Billing	Mariela Lowes (805) 688-5575 x 202 mlowes@cityofsolvang.com	• Provides customer information, including facility types, points of contact, and water usage records. Responsible for mailing out BPA testing compliance notices/reports, and tracking and maintaining BPA test records
Water Division	(805) 688-5575 x 202 or 229 1644 Oak Street Solvang, CA 93463	• Facilitates water shutdown coordination. • Coordinates approval of temporary backflow preventers used on City hydrants by construction contractors with backflow prevention coordinators.
Code Enforcement	Jennifer Calbillo (805) 688-5575 x240 codeenforcementofficer@cityofsolvang.com	• Implements enforcement measures to pursue compliance of noncompliant BPA testing and CCs.

Entity	Point of Contact Information	Key Support Elements
State Water Board	Laureen Tan, P.E. (805) 566-1317 laureen.tan@waterboards.ca.gov	• Must be notified of any known or suspected incident of backflow within 24 hours of the determination. • May require the City to issue a Tier 1 public notification pursuant to CCR, title 22, section 64463.1. • May require the City to submit a written incident report describing the details and affected area of a backflow incident, the actions taken in response to the backflow incident, and the follow-up actions to prevent future backflow incidents.
County Health Department	Environmental Health (805) 681-4900 x 3 phdehsweb@sbcphd.org	• Must be notified of any known or suspected incident of backflow within 24 hours of the determination. • Responsible for a facility's internal backflow prevention. • Provides information about new water industrial users. • Provides information on water wells used as auxiliary water sources.
Fire Department	Santa Barbara County Fire Department Fire Station 30 (805) 686-8184	• Must be notified when testing BPAs associated with fire sprinkler systems connected to the Fire Department alarm detection system.

14.0 WORKS CITED

CBSC (California Building Standards Commission). (2022). *California Plumbing Code*. California Code of Regulations. Title 24, Part 5. Ontario.

CHSC (California Health and Safety Code). (1995). Article 2. Cross-Connection Control by Water Users. Sacramento: California Legislative Counsel.

City of Solvang. (2020). Water Division. https://www.cityofsolvang.com/168/Water-Division.

SWRCB (State Water Resources Control Board). (2023). *Cross-Connection Control Policy Handbook – Standards and Principles for California's Public Water Systems*. California Environmental Protection Agency.

USC FCCCHR (University of Southern California Foundation for Cross-Connection-Control and Hydraulic Research). (2009). *Manual of Cross-Connection Control*. 10th Edition. Los Angeles.

APPENDIX A: CROSS-CONNECTION QUESTIONNAIRE AND SURVEY FORMS

City of Solvang

Cross Connection Survey Questionnaire

Name: _____ **Date:** _____

Email Address: _____ **Phone No.** _____

Service Address: _____

Mailing Address _____

Facility Type:

☐ Single Family Residential ☐ Multiple Family Residential

☐ Commercial ☐ Agricultural ☐ Other

Type of Business
(e.g., restaurant, machine shop, etc.) _____

_____

Do you have any of the following at this property? (Check all that apply)

☐ Agricultural irrigation
☐ Boiler
☐ Cattle trough
☐ Chiller
☐ Cooling tower
☐ Commercial dishwasher
☐ Fire sprinkler system
☐ Irrigation system
☐ Jacuzzi
☐ Landscape irrigation
☐ Domestic well
☐ Lift station
☐ Parts washer
☐ Pumps
☐ Recycled water
☐ RV dump station
☐ Solar system connected to water supply
☐ Swimming Pool
☐ Equipment that may contaminate or pollute potable water

Do you have backflow preventers at this property? If yes, list the backflow preventer type and the systems serviced (e.g., boiler, chiller, fire sprinkler system)

_____

_____

_____

COMMENTS AND CONCLUSIONS:

_____

_____

_____

City of Solvang

Cross Connection Survey Form

Name: _____ **Date:** _____

Email Address: _____ **Phone No.** _____

Service Address: _____

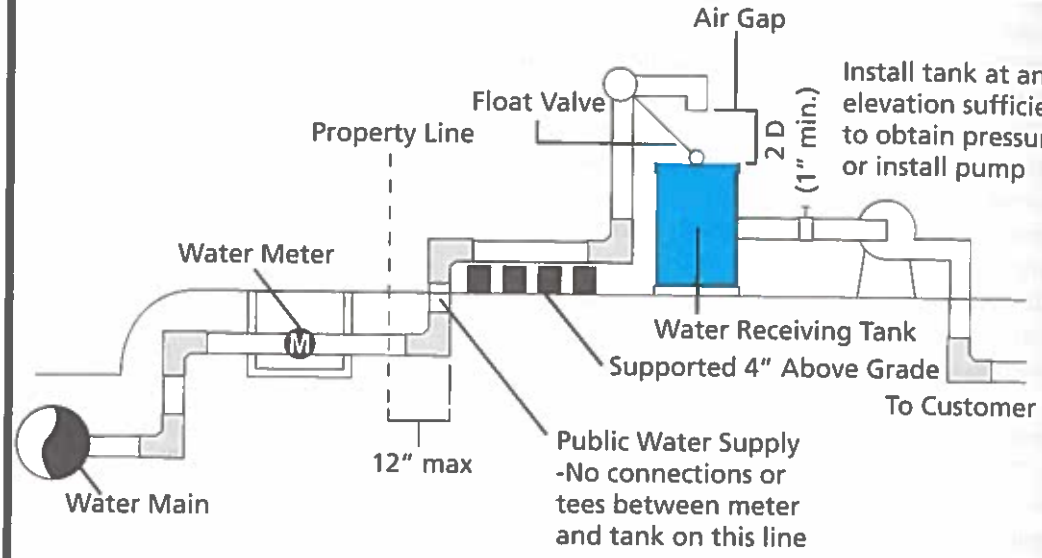
Mailing Address _____

Facility Type: ☐ Single Family Residential ☐ Multiple Family Residential
☐ Commercial ☐ Agricultural ☐ Other

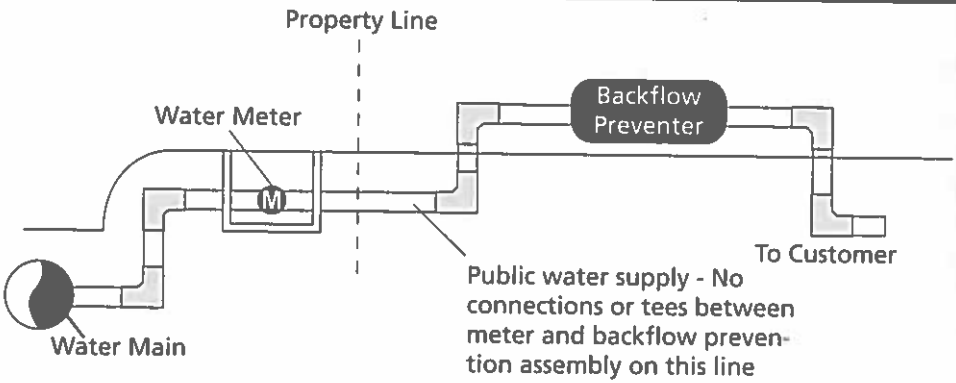
	Water Use	Hazard Level (High Low)	Backflow Protection				Protection			
			Make	Model	Serial No.	Size (inch)	Approved		Adequate	
							Yes	No	Yes	No

COMMENTS AND CONCLUSIONS:

APPENDIX B: GUIDANCE FOR INSTALLATION OF AG AND BACKFLOW PREVENTERS



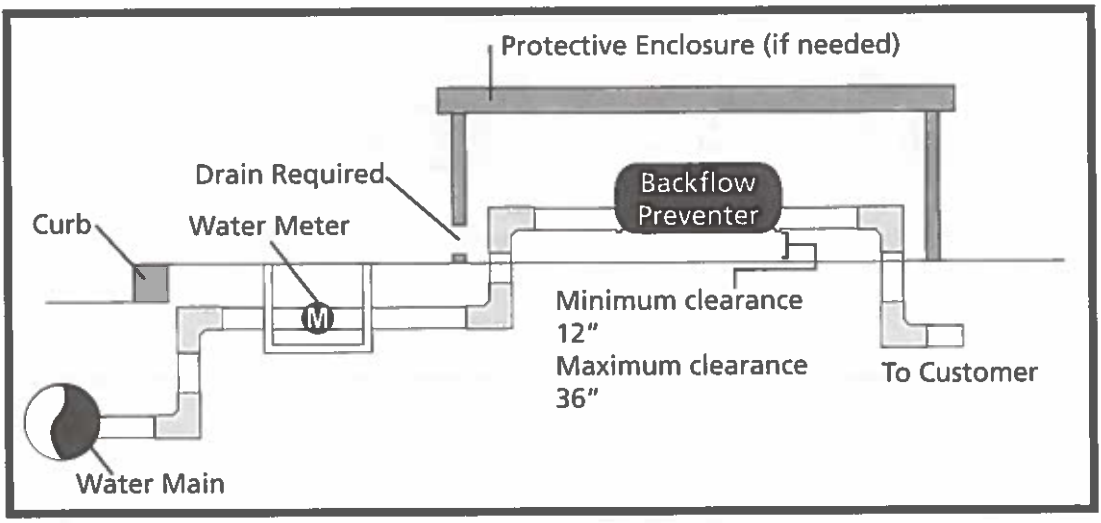
Note:
Tank should be of substantial construction and of a kind and size to suit consumer's needs. Tank may be situated at ground level (with a pump to provide adequate pressure head) or be elevated above ground.



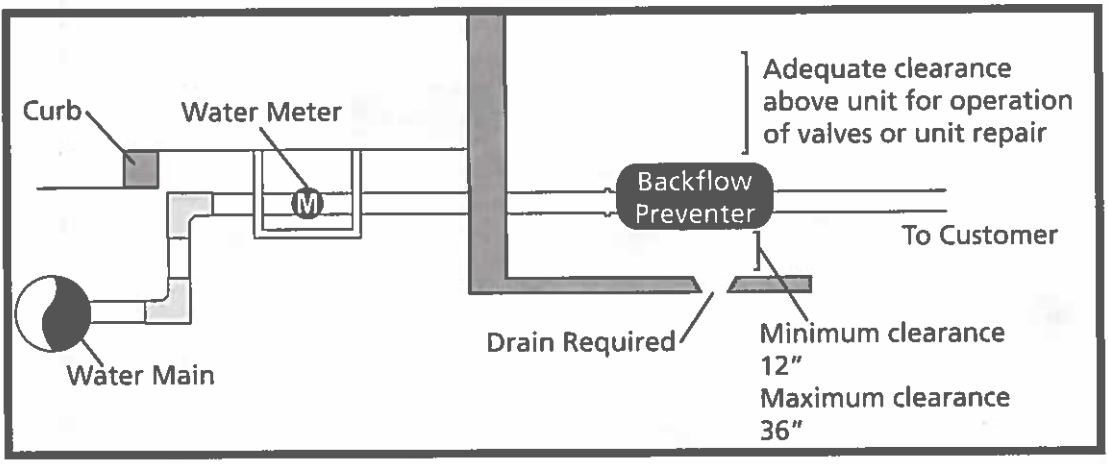
Note:
Assembly 12" or more above high water level of surrounding ground.

Figure 8.1
Installation Guidelines for Air Gap and Backflow Prevention Assemblies at Water Service Connection

Above Ground



In Building



In Basement

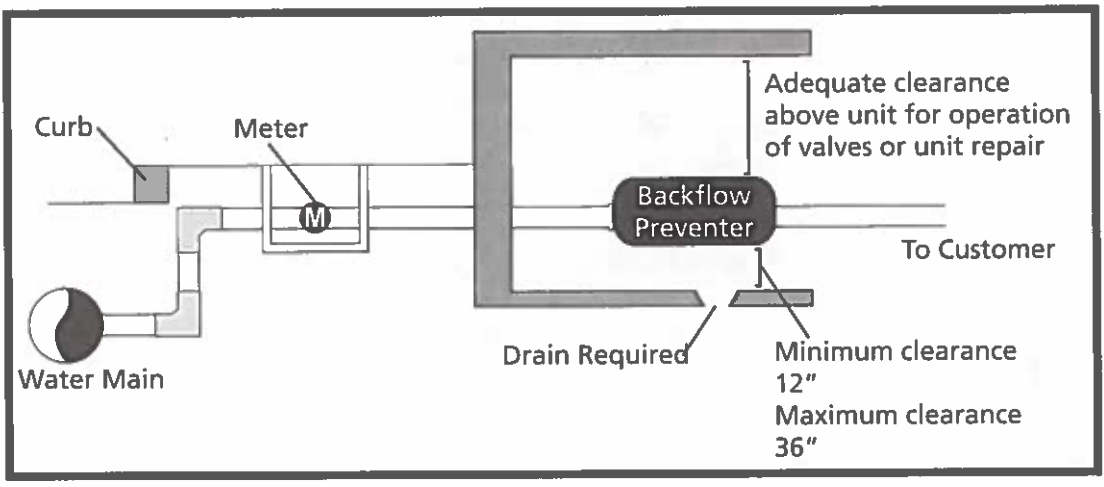


Figure 8.2
Typical Installations with Minimum Clearances

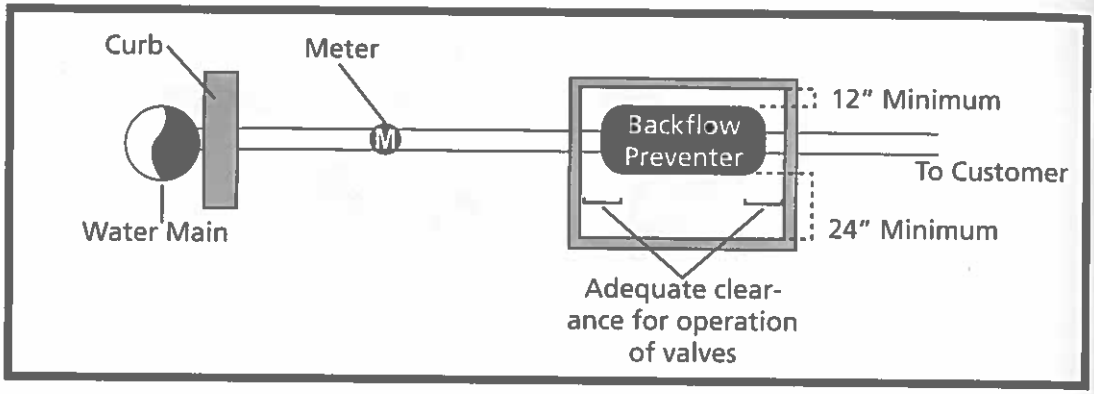


Figure 8.3
Typical Installations with Minimum Clearances, Plan View

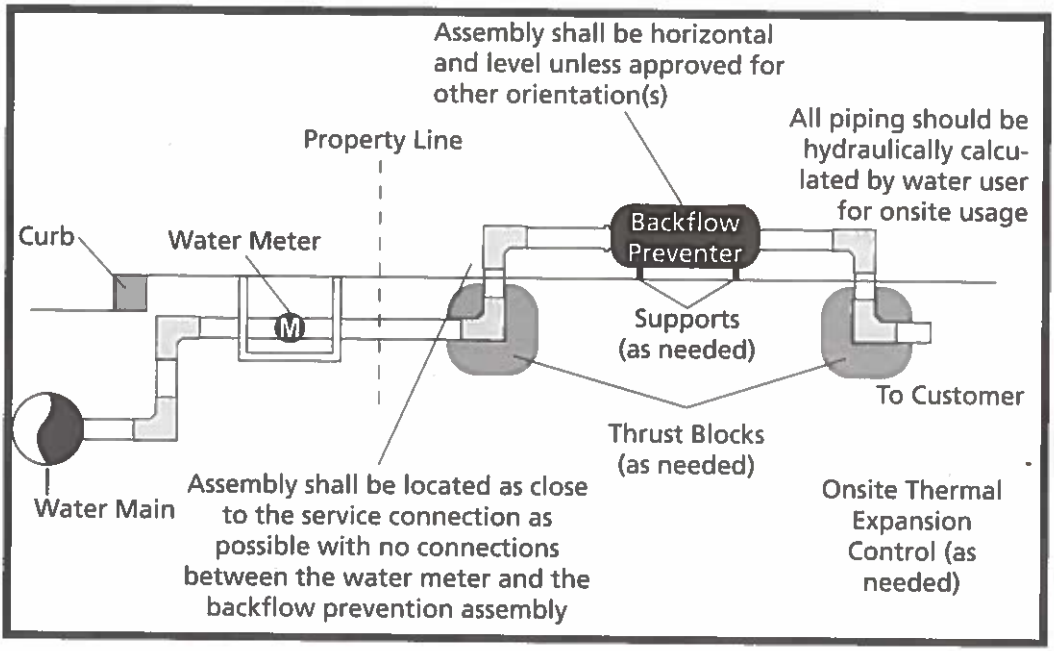


Figure 8.4
Service Connection Installation Guidelines

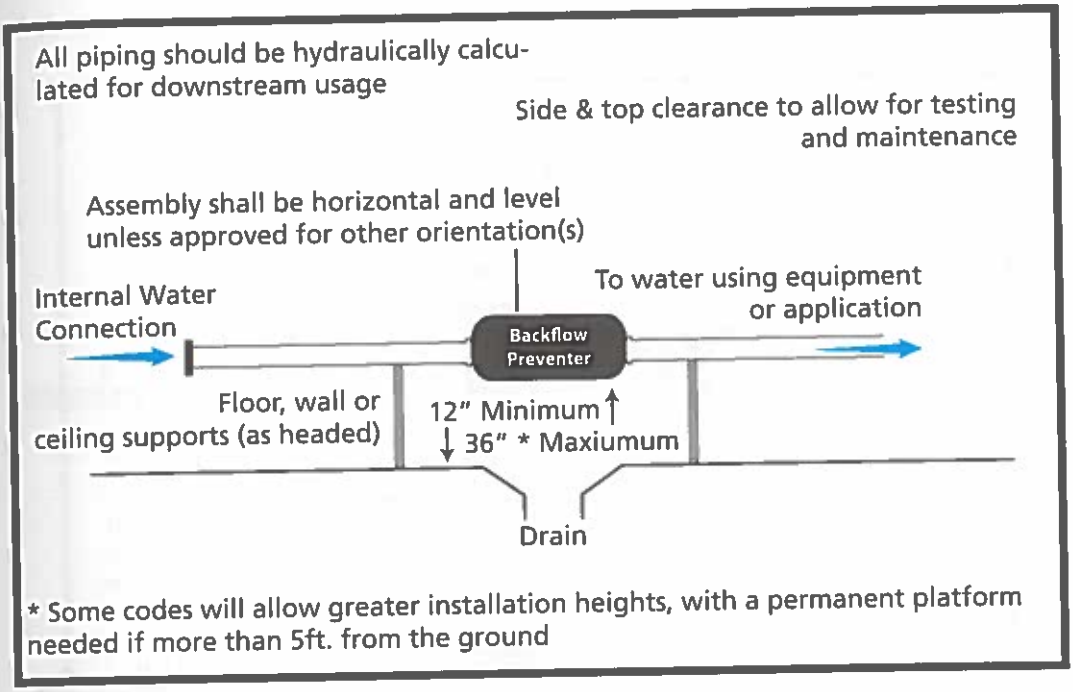


Figure 8.5
Internal Connection Installation Guidelines

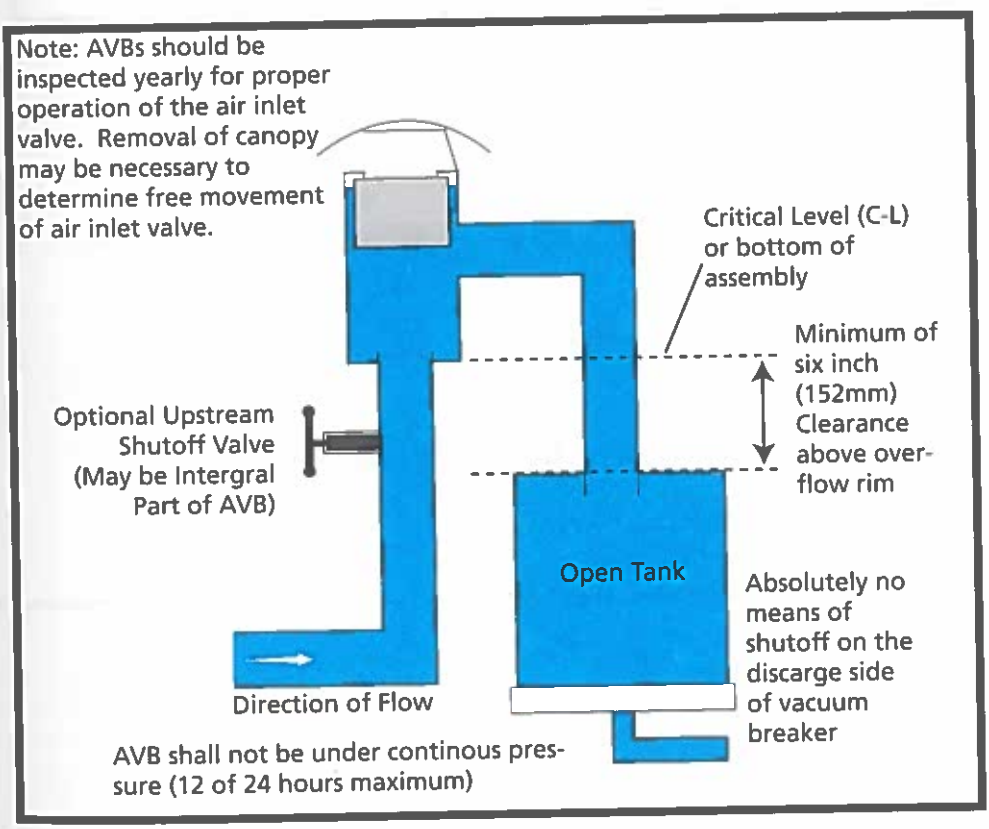


Figure 8.6
Typical AVB Installation

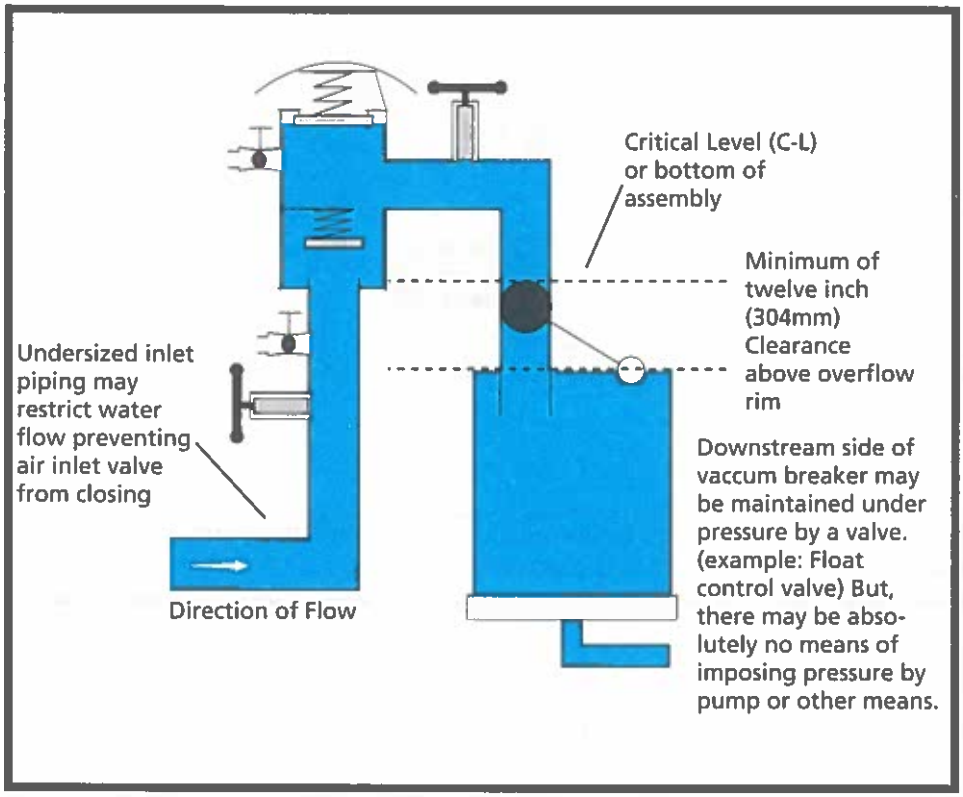
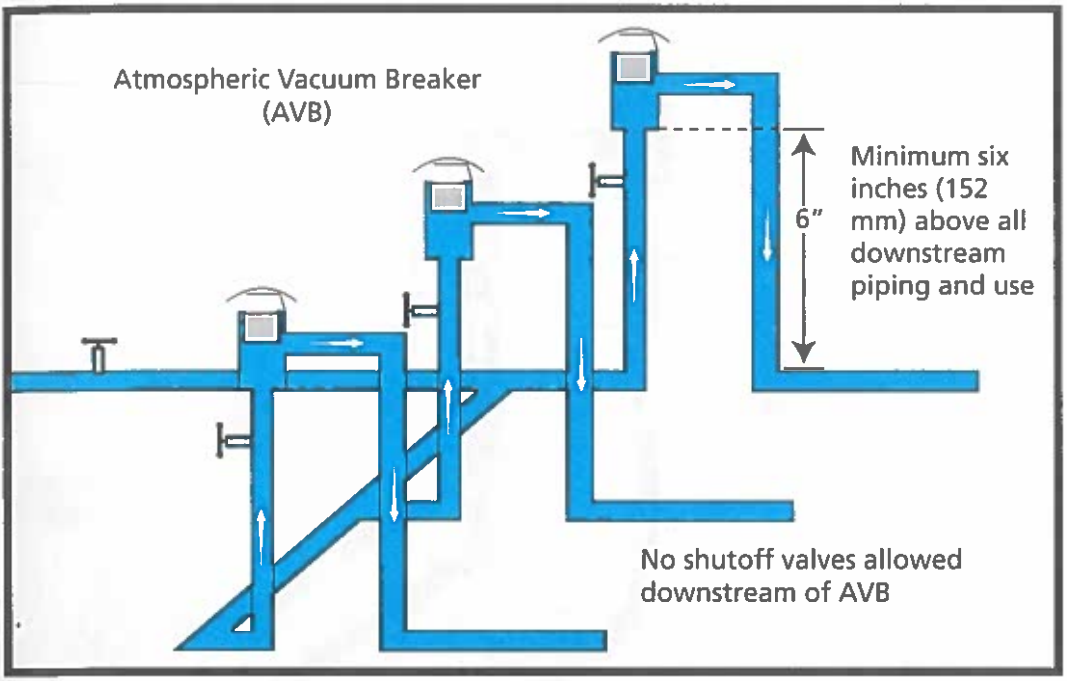


Figure 8.7
Typical PVB Installation



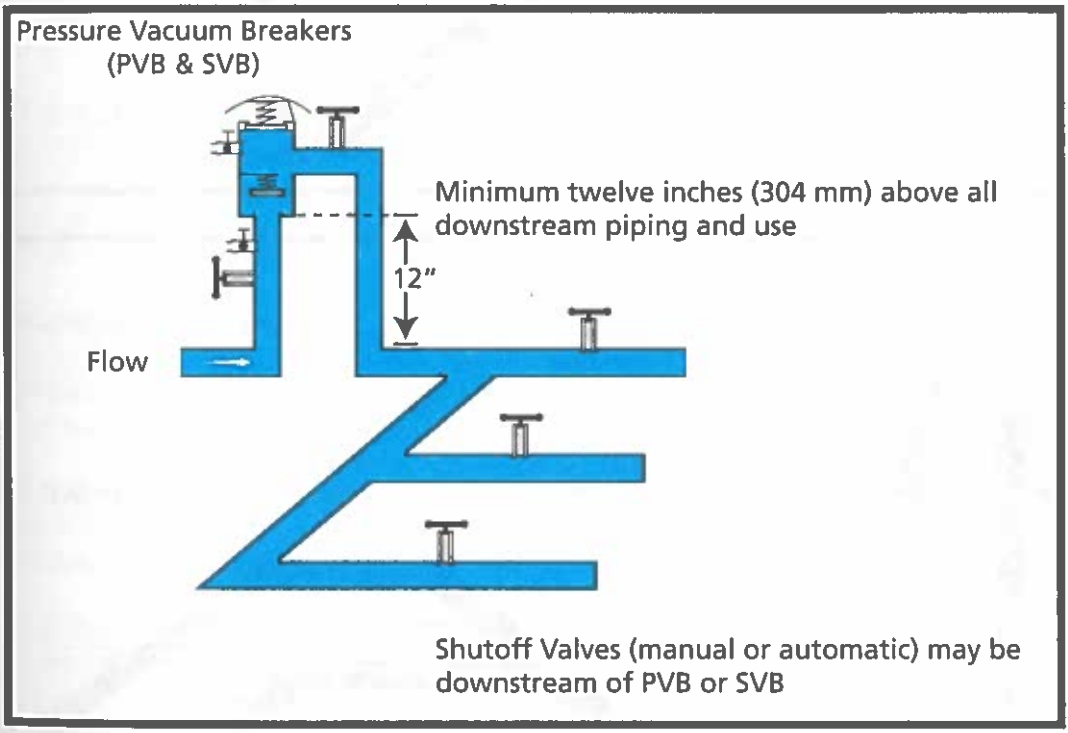
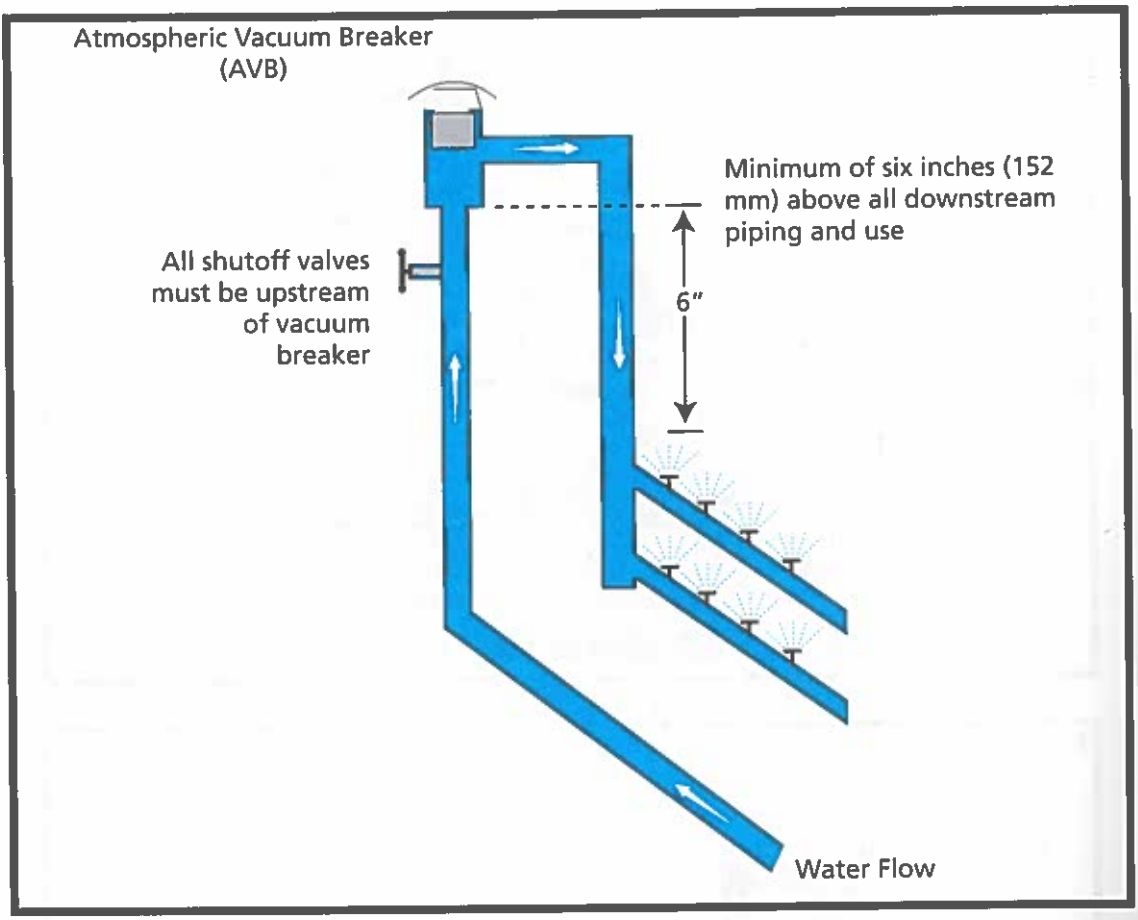


Figure 8.8
Multi-Zone Irrigation Systems



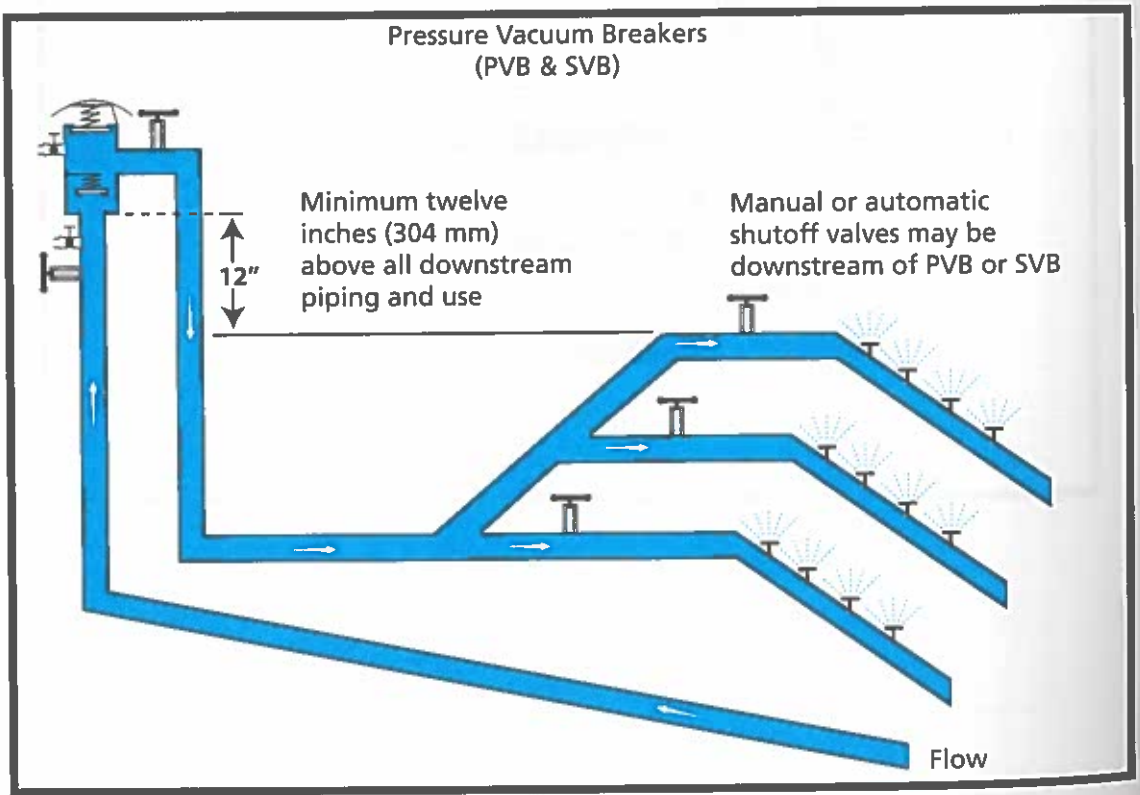


Figure 8.9
Irrigation Systems Feeding Uphill

8.3 Guidelines for Parallel Installation of Backflow Prevention Assemblies

Two or more backflow prevention assemblies of the same type may be installed in parallel to provide uninterrupted water service to the water user, typically known as a critical service. When it is necessary to install backflow prevention assemblies in parallel, there are several hydraulic conditions which may be considered.

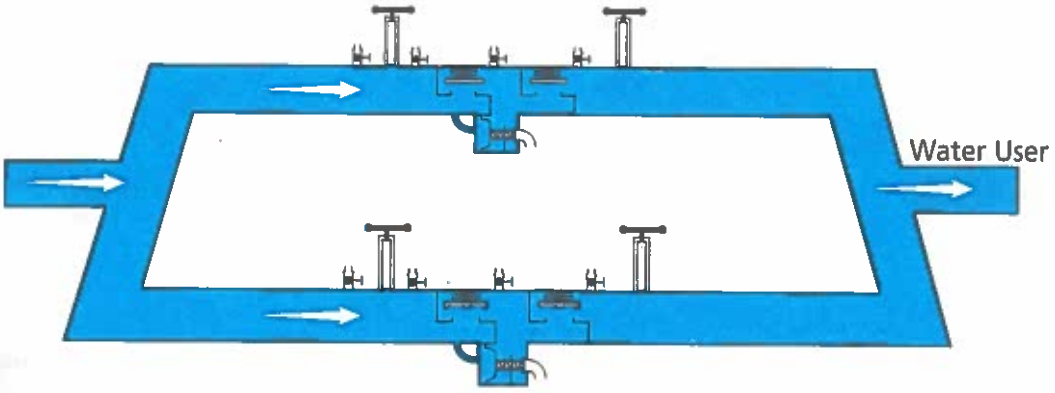


Fig. 8.10
Example of RP's Installed in Parallel

8.3.1 Full Line Size

If it is necessary to maintain maximum rated flow to the water user, then it may be necessary that each of the backflow prevention assemblies be individually sized to handle the rated flow of the inlet piping. If one of the assemblies is shut off for field testing or maintenance, the other assembly(s) can maintain the full flow capacity of the water user's system.

8.3.2 Hydraulic Sizing

If the hydraulic design of the installation does not require full flow capacity through each of the assemblies, then the assemblies may be hydraulically sized so that the combined flow capacity of the assemblies in parallel will equal or exceed the flow capacity of the inlet piping.

As an example:
If two 4-inch assemblies are installed in parallel in the place of a single 6-inch unit, then the combined flow capacity would be adequate.

- Two 4-inch assemblies ----- 2 x 500 gpm = 1000 gpm
  (per Table 10-1; rated flow of 4-inch DC or RP is 500 gpm)

- Rated flow of single 6-inch = 1000 gpm

With both assemblies in operation in this installation, the water user has full flow capacity. However, during routine field testing or maintenance of one of the assemblies the water user should reduce his downstream flow demand, so the flow of the assembly remaining on-line does not exceed its maximum rated flow.

8.3.3

If it is only necessary to keep the water user's system pressurized during the field test or maintenance of the primary assembly then the smaller secondary assembly only needs to be sized to keep pressure in their system. This may include incidental use of water such as flushing toilets or make up water to a cooling tower, etc.

8.3.4 Manifold Assembly

Two or more backflow prevention assemblies may be incorporated into a manifold assembly (see 10.1.1.2.18) to provide uninterrupted water service to the water user. The manifold assembly is comprised of backflow prevention assemblies (DC or RP) of the same manufacturer, model, and size. Manifold adapter fittings on both the inlet and outlet of the manifold assembly are considered integral components. The size of the manifold assembly is determined by the inlet and outlet connections of the manifold adapter fittings.

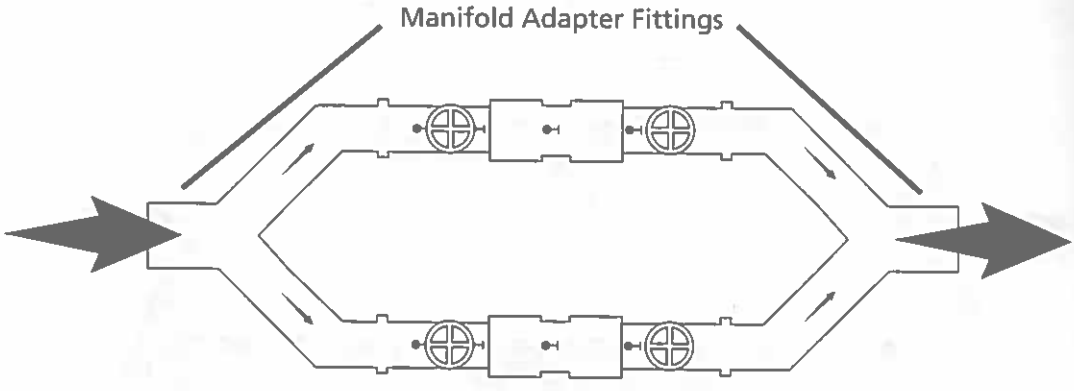


Figure 8.11
Example of Manifold Assembly

It shall be noted that when two or more assemblies are installed in parallel, the multiple assemblies do not act in unison during normal flow conditions. One of the assemblies will act as a primary assembly, while the other(s) operates as a secondary. Only the primary assembly will open when the flow of water begins, and the secondary assembly(s) will begin to open only when the flow rate increases to a higher level. The rate of flow when the transition takes place, from one to multiple assemblies, will depend upon the loading of the check valves in the assemblies. The assembly with the lowest check valve opening points (or cracking pressures) will generally become the primary assembly in the manifold assembly.

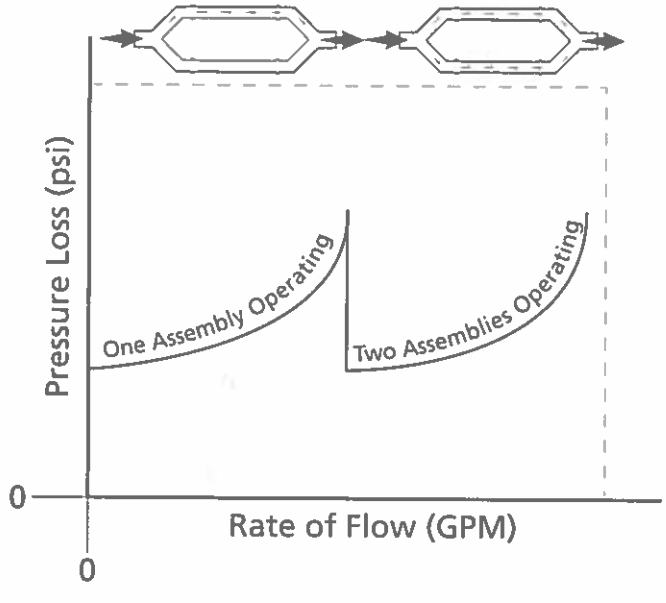


Figure 8.12
Sample Flow Rate versus Pressure Loss Curve for Manifold Assembly

APPENDIX C: CROSS-CONNECTION CONTROL SPECIALIST CERTIFICATE

CALIFORNIA-NEVADA SECTION
American Water Works Association

File with your certificate

Cross-connection Control Specialist

Cert. No.: 02066

Exp. Date
10/31/2025

Certification Director

Effective Date:
10/23/2023

CALIFORNIA-NEVADA SECTION
American Water Works Association
Cross-connection Control Specialist

Carry in your wallet

Effective Date:
10/23/2023

Victor M. Velazquez
4621 Via Santa Maria
Orcutt, CA 93455
USA

Cert. No.
02066

Certification Director

Exp. Date
10/31/2025

AMERICAN WATER WORKS ASSOCIATION

CALIFORNIA-NEVADA SECTION

Be it known that **Victor Velazquez** having submitted

acceptable evidence of qualification by education, training, and experience

is hereby granted this Certificate of competency as a

Cross-Connection

Control Program – Specialist

Witness our Hand and Seal,

This Saturday, 24 October, 2009

Certificate Number: 02066

Linda K. Blush

Certification Director
California-Nevada Section AWWA

Michael J. Hill

Certification Administrator
California-Nevada Section AWWA

APPENDIX D: CITY'S LEGAL AUTHORITY ORDINANCE CODE

Title 9. Water and Sewer

Chapter 3. WATER CODE

Article B. Water Use Regulations

§ 9-3B-1. Water supply to premises.

A. Number of Services Per Premises. The applicant may apply for as many services as may be reasonably required for his or her premises provided that the pipeline system from each service be independent of the others and that they not be interconnected. The cost of all services shall be borne by the applicant.

B. Supply to Separate Structures. Each structure which fronts on a public street or private road shall have a separate service connection or manifolded service connection, and separate meter. Notwithstanding anything to the contrary contained in this section and for purposes of this section, each individual condominium unit in a residential, commercial or industrial condominium development shall be deemed to be a separate structure requiring a separate service connection and separate meter.

1. Notwithstanding any provision of this section to the contrary, and subject to all other applicable provision of law, common fire protection systems in condominium developments shall be served by a separate service.

2. Notwithstanding any provision of this section to the contrary, all water furnished for use within the interior portion of commercial or industrial structures shall be metered separately from water furnished for use on the exterior portions of such premises.

3. Notwithstanding any provision of this section to the contrary, water furnished to any swimming pool located on property devoted to commercial or industrial use shall be deemed to be furnished for interior use if such pool is designed so that water therefrom is wholly or partially drained or discharged into the city sewage system.

The provisions of this section dealing with interior or exterior metering shall apply to all new commercial, industrial or hotel/motel construction. The provisions of this section shall also apply to any commercial or industrial structure in existence on the effective date of this title the interior area of which is increased by 25% or more, and any hotel/motel increasing by 25% or more the number of hotel/motel units.

(Ord. 16-318, 2016)

§ 9-3B-2. Water waste.

No customer shall knowingly permit leaks or waste of water. Where water is wastefully or negligently used on a customer's premises, seriously affecting the general service, the city may discontinue the service if such conditions are not corrected within five days after giving the customer written notice.

(Ord. 16-318, 2016)

§ 9-3B-3. Equipment and facilities.

A. Responsibility for Equipment on Customer's Premises. All facilities installed by the city on private property for the purpose of rendering water service shall remain the property of the city and may be maintained, repaired or replaced by the city without consent or interference of the owner or occupant of the property. The property owner shall use reasonable care in the protection of the facilities. No payment shall be made for placing or maintaining said facilities on private property. No persons shall place or permit the placement of any object in a manner which will interfere with the free access to a meter box or will interfere with the reading of a meter.

B. Damage to Water System Facilities. The customer shall be liable for any damage to the city owned customer water service facilities when such damage is from causes originating on the premises by an act of the customer or his or her tenants, agents, employees, contractors, licensees or permittees, including the breaking or destruction of locks by the customer or others on or near a meter, and any damage to a meter that may result from hot water or steam from a boiler or heater on the customer's premises. The city shall be reimbursed by the customer for any such damage promptly on presentation of a statement therefor.

C. Ground Wire Attachments. No one shall attach any ground wire or wires to any plumbing which is or may be connected to a service connection or main belonging to the city. The city will hold the customer liable for any damage to its property occasioned by such ground wire attachments.

D. Control Valve on Customer's Premises. The customer shall provide a valve on his or her side of the service installation as close as is practicable to the meter location, street, highway, alley or easement in which the water main serving the customer's property is located, to control the flow of water to the piping on his or her premises. The customer shall not use the service curb stop valve to turn water on and off for his or her convenience.

(Ord. 16-318, 2016)

§ 9-3B-4. Cross connections.

The customer shall comply with all regulations governing the separation of dual water systems or installations of backflow prevention devices to protect the public water supply from the danger of cross connections. Backflow prevention devices must be installed as near the meter box and public right-of-way as possible and shall be open to test and inspection by the city. Plans for installation of backflow prevention devices must be approved by the city cross connection inspector prior to installation.

(Ord. 16-318, 2016)

§ 9-3B-5. Special circumstances.

In special circumstances, when the customer is engaged in the handling of especially dangerous or corrosive liquids or industrial or process waters, the city may require the customer to eliminate certain plumbing or piping connections as an additional precaution and as protection of the backflow preventive devices.

(Ord. 16-318, 2016)

§ 9-3B-6. Pressure facilities.

A. Pressure Regulators. Customers shall accept water pressure furnished by the city and are responsible to control such pressure if considered excessive. The customer shall provide a pressure regulator at a point prior to piping entering a structure, if deemed necessary to safeguard structure piping and appliances. Pressure regulators are recommended in all instances where pressure exceeds 60 psi.

B. Pressure Relief Valve. As a protection to the customer's plumbing system, a suitable pressure relief valve must be installed and maintained by the customer, at their expense. When check valves or other protective devices are used, the relief valve shall be installed between the check valves and the water heater.

(Ord. 16-318, 2016)

§ 9-3B-7. Backflow prevention.

A. Whenever backflow prevention has been found necessary on a water supply line entering a customer's premises, then any and all water supply lines from the city's mains entering such premises, buildings or structures shall be protected by an approved backflow prevention device, regardless of the use of the additional water supply lines. Cost of installation shall be borne by the customer. Backflow prevention devices shall be installed where required by state and federal law, and as determined necessary by the city inspector to protect the public health and safety.

B. Approved backflow prevention devices must be inspected and tested annually for proper operation and watertightness by a certified technician. The devices shall be serviced, overhauled or replaced whenever they are found defective and all cost of repair and maintenance shall be borne by the customer.

(Ord. 16-318, 2016)

§ 9-3B-8. Defective equipment—Service discontinued.

The service of water to any premises may be immediately discontinued by the city if any defect is found in the backflow prevention device installation, or if it is found that a dangerous unprotected cross connection exists. Service will not be restored until such defects are corrected and the city water system is protected.

(Ord. 16-318, 2016)

§ 9-3B-9. Ingress and egress.

The city and its duly authorized representatives shall have the right of ingress and egress to the customer's premises at reasonable hours for any purpose reasonably connected with the furnishing of water service.

(Ord. 16-318, 2016)

§ 9-3B-10. Temporary service.

A. Duration of Service. Temporary service connections shall be disconnected and terminated within six months after installation unless an extension of time is granted in writing by the city.

B. Deposit and Rates. The applicant shall deposit, in advance, an amount determined by resolution of city council for each inch or fraction thereof of temporary service desired. Upon discontinuance of service, the actual cost of installing and removing the facilities required to furnish said service, exclusive of the cost of salvageable material, shall be determined and an adjustment made as an additional charge, refund or credit. The applicant shall pay the estimated cost of service in advance or shall be otherwise required to establish credit.

C. Installation and Operation. All facilities for temporary service to the customer connection shall be made by the city and shall be operated in accordance with its instructions.

D. Responsibility for Meters and Installation. The customer shall use all possible care to prevent damage to the meter or any other loaned facilities of the city which are involved in furnishing the

temporary service from the time of installation until removal by the city. If the meter or other facilities are damaged, the cost of making repairs shall be paid by the customer.

E. Temporary Service from Fire Hydrant. If temporary service is supplied through a fire hydrant, a permit for the use of the hydrant shall be obtained from the city. It is specifically prohibited to operate the valve of any fire hydrant other than by the use of a spanner wrench designed for this purpose.

F. Unauthorized Use of Hydrant. Tampering with any fire hydrant for the unauthorized use of water therefrom, or for any other purpose, is a misdemeanor punishable by law.

(Ord. 16-318, 2016; Ord. 23-0373, § 38)

CHAPTER 4
CROSS CONNECTION PROGRAM

§ 9-4-1. Purpose.

This chapter is adopted pursuant to the ~~administrative code, title 17 sections 7583 through 7605, public health entitled "regulations relating to cross-connections,"~~the State Water Resources Control Board's Cross-Connection Control Policy Handbook (CCCPH), and the purpose of this chapter is: (1) to protect the public water supply against actual or potential cross connection by isolating within the premises contamination that may occur because of some undiscovered or unauthorized cross connection on the premises; (2) to eliminate existing connections between drinking water systems and other sources of water that are not approved as safe and potable for human consumption; (3) to eliminate cross connections between drinking water systems and actual or potential sources of contamination; and (4) to prevent the making of cross-connections in the future. This shall be accomplished by the establishment of a cross-~~s~~connection control program as required by state regulations.
(Ord. 16-318, 2016)

§ 9-4-2. Responsibility and administration.

The C~~e~~ity M~~m~~anager or designee shall be responsible for implementing, enforcing and administering the cross-connection control program. An appropriate backflow prevention assembly shall be installed by and at the expense of the property owner, or water user at each user connection where required to prevent backflow from the water user's premises to the domestic water system. It shall be the user's responsibility to comply with C~~e~~ity requirements.
(Ord. 16-318, 2016)

§ 9-4-3. Definitions.

As used in this chapter:

Air~~-Gap~~ Gap ~~Separation~~Separation (AG). ~~Refers to a~~A physical separation of at least two (2) times the effective pipe diameter between the free-flowing discharge end of a potable water supply pipeline and the flood level of an open or ~~nonpressure~~ non-pressurized receiving vessel~~. An "approved air gap" shall be at least double the diameter of the supply pipe measured vertically above the overflow rim of the vessel~~ and in no case less than one (1) inch.

~~Approved Backflow Prevention Assembly. Assemblies which have passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated its competency to perform such tests to the California Department of Health Services.~~

Approved ~~Water~~ Water ~~Supply~~Supply. A water source that has been approved by the State Water Board for domestic use in a public water system and designated as such in a domestic water supply permit issued pursuant to section 116525 of the CHSC~~Refers to any water supply whose potability is regulated by a state or local health agency~~.

Auxiliary Water ~~Supply~~Supply. Any water supply located on the premises of, or available to, the ~~premises water user~~water user other than the approved water supply.

~~AWWA Standard. Refers to an official standard developed and approved by the American Water Works Association (AWWA).~~

Backflow. A flow condition, caused by a differential in pressure, that causes the undesired or

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unintended reversal of flow of water or other liquids, gases, mixtures or substances into the distributing pipes of a potable supply of water from any source or sources other than an approved water supply source. Back siphonage is one

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cause of backflow, back pressure is the other cause.

Backflow Prevention ~~A~~aAssembly. A mechanical~~n~~ assembly designed and constructed to prevent backflow, such that while in-line it can be maintained and its ability to prevent backflow, as designed, can be field tested, inspected and evaluated ~~which has passed laboratory and field evaluation tests performe~~.

Backflow Prevention ~~A~~aAssembly Tester. ~~a~~A person who is certified as a backflow prevention assembly tester.

Contamination. ~~Refers to a~~A degradation of the quality of the potable water by any foreign substance which interferes with the usefulness or quality of the water.

Cross~~- Connection~~Connection. Any ~~unprotected~~ actual or potential connection or structural arrangement between a potable water system used to supply water for drinking purposes, including a piping system connected to the public water system and located on the premises of a water user or available to the water user, and any source or systems containing unapproved water or a substance that is not or cannot be approved safe, wholesome and potable. Bypass arrangements, jumper connections, removable sections, swivel or changeover devices or other devices through which backflow could occur, shall be considered ~~to be~~ cross connections.

Cross-Connection Control Specialist. a person who is certified as a cross-connection control specialist pursuant to section 3.4.2 of the CCCPH.

Distribution System. As defined in section 63750.50 of CCR, Title 22, Division 4, Chapter 13, any combination of pipes, tanks, pumps, etc., which delivers drinking water from a source or treatment facility to the consumer.

Double Check Detector Backflow Prevention Assembly (DCDA). ~~a~~ A double check valve backflow prevention assembly that includes a bypass with a water meter and double check backflow prevention assembly, with the bypass's water meter accurately registering flow rates up to two gallons per minute and visually showing a registration for all rates of flow.

Double Check Valve Backflow Prevention Assembly (DC). ~~Refers to a~~An assembly composed of two independently acting and internally-loaded ~~, approved~~ check valves, including tightly closing resilient seated shutoff valves attached at each end of the assembly and fitted with properly located resilient seated test cocks that enable accurate field testing of the assembly.

Hazard Assessment. An evaluation of a user premises designed to evaluate the types and degrees of hazard at a user's premises.

High Hazard Cross-Connection. A cross-connection that poses a threat to the potability or safety of the public water supply. Materials entering the public water supply through a high hazard cross-connection are contaminants or health hazards.

Low Hazard Cross-Connection. A cross-connection that has been found to not pose a threat to the potability or safety of the public water supply but may adversely affect the aesthetic quality of the potable water supply. Materials entering the public water supply through a low hazard cross-connection are pollutants or non-health hazards.

Health Agency. The California Department of Health Services, or the local health agency with respect to a small water system.

Premises Containment. The protection of a public water system's distribution system from backflow from a user's premises through the installation of one or more air gaps or BPAs, installed as close as practical to the user's service connection, in a manner that isolates the water user's

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water supply from the public water system's distribution system.~~Premises. Refers to any and all areas on a water user's or customer's property which is served or has the potential to be served by the public water system.~~

Pressure Vacuum Breaker Backsiphonage Prevention Assembly (PVB). ~~Refers to a~~An assembly containing an independently~~-~~operating internally~~-~~loaded check valve and an independently-acting loaded air inlet valve located on the discharge side of the check valve. The assembly is to be equipped with properly located resilient seated test cocks and tightly closing resilient seated shut off valves attached at each end of the assembly that enable accurate field testing of the assembly.

Public Water ~~Supply~~ System (PWS). A system for the provision of piped water to the public for human consumption.

Reclaimed/Recycled Water. ~~Refers to w~~Wastewater which, as a result of treatment, is suitable for uses other than potable use.

Reduced Pressure Principle Backflow Prevention Assembly (RP). ~~Refers to a~~An assembly containing two independently acting ~~approved~~ internally-loaded check valves together with a hydraulically operating, mechanically independent pressure differential relief valve located between the check valves and at the same time below the ~~first~~ upstream check valve. The unit shall include properly located resilient seated test cocks and tightly closing resilient seated shutoff valves at each end of the assembly to enable accurate field testing of the assembly.

Reduced Pressure Principle Detector Backflow Prevention Assembly (RPDA). An RP that includes a bypass with a water meter and RP, with the bypass's water meter accurately registering flow rates up to two gallons per minute and visually showing a registration for all rates of flow.

User Premises. Any and all areas on a water user's or customer's property which is served or has the potential to be served by the public water system.

User's Service Connection. ~~Refers to t~~The point of connection of user's piping to the water supplier's facilities (water meter).

Water Supplier. a person or entity who owns or operates a public water system.

Water User. ~~Refers to a~~Any person obtaining water from an approved water supply system.
(Ord. 16-318, 2016)

§ 9-4-4. Hazard Assessment.

The Water Division shall evaluate the degree of potential health hazard to the potable water distribution system, which may result from conditions existing on a water user's premises. The Water Division, however, shall not be responsible for abatement of cross-connections, which may exist within a water user's premises. As a minimum, the evaluation should consider the existence of cross-connections, the type and use ~~nature~~ of materials handled or likely to be present on the property, the probability of a backflow occurring, distribution system conditions that increase the ~~liklihood~~likelihood of ~~a~~ backflow events (such as hydraulic gradient differences impacted by main breaks and high water demand conditions), the degree of piping system complexity and accessibility, the potential for piping system modification. Special consideration shall be given to the premises of the following types of water users:

(1) Premises where substances harmful to health are handled under pressure in a manner that could permit their entry into the potable water distribution system. This includes chemical or biological process waters and water from potable water distribution system supplies that have deteriorated in

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sanitary quality.

(2) Premises having an auxiliary water supply, unless the auxiliary water supply is accepted as an additional source by the Water Division and is approved by the State Water Board.

(3) Premises that have internal cross-connections that are not abated to the satisfaction of the City or the Santa Barbara County Department of Public Health.

(4) Premises where cross-connections are likely to occur and entry is restricted so that cross-connection inspections cannot be made with sufficient frequency or at sufficiently short notice to assure that cross-connections do not exist. Such premises w~~W~~ill be required to have cross-connection protection meeting the requirements of Section 9-4-5.

(5) Premises having a repeated history of cross-connections being established or re-~~-~~established.

§ 9-4-4~~5~~. Cross connection protection requirements.

It is unlawful for any person at any time to make or maintain or cause to be made or maintained, temporarily or permanently, for any period of time whatsoever, any cross connection between plumbing pipes or water fixtures being served with water by the C~~e~~ity any other source of water supply or to maintain any sanitary fixture or other appurtenances or fixtures which by reason of their construction may cause or allow backflow of water, auxiliary supply or other substances into the water supply system of the C~~e~~ity and/or the service pipes or fixtures of any consumer of the ~~city~~City.

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A. The type of protection that shall be provided to prevent backflow into the approved water supply system shall be commensurate with the degree of hazard, actual or potential, that exists on the water user's premises.

B. Unprotected cross connections with the public water supply system are prohibited.

C. Whenever backflow protection has been found necessary, the Ceity will require the water user to install an approved backflow prevention assembly by and at his or her expense for continued water services or before a new service will be granted.

D. Wherever backflow protection has been found necessary on an approved water supply line entering a water user's premises, then any and all water supply lines from the Ceity mains entering such premises, buildings or structures shall be protected by an approved backflow prevention assembly. The type of backflow prevention assembly to be installed will be in accordance with the requirements of this chapter.

E. Each service connection from the Ceity water system for supplying water to any premises on which any substance is handled in such fashion as may allow its entry into the water system shall be protected against backflow of the water from the premises into the public system. This shall include the handling of process waters and waters originating from the Ceity which have been subjected to deterioration in sanitary quality.

F. Backflow prevention assemblies shall be installed as close as practical to the meter box and public right-of-way to any premises having: (1) internal cross connections that cannot be permanently corrected and controlled to the satisfaction of the health agency and the cityCity; or

(2) intricate plumbing and piping arrangements or where accessible for inspection purposes, making it impracticable or impossible to ascertain whether or not cross connections exist; or

(3) use of reclaimed/recycled water. Backflow prevention assemblies shall also be installed as close as practical to the meter box and public right-of-way for all commercial, industrial, and irrigation water service connections.

G. Backflow prevention assemblies used for internal protection in lieu of service protection shall be approved by the cityCity. All approved assemblies shall have successfully passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated their competency to perform such tests to the California Department of Health Services.

H. The Ceity shall be notified of changes of or additions to the internal plumbing of the premises, to include the addition or replacement of any water using equipment prior to issuance of a land use permit by the cityCity.

I. All internal backflow prevention assemblies shall be tested and maintained in accordance with this chapter.

J. The types of backflow prevention assemblies that may be required include. air gap separationAG, reduced pressure principle backflow prevention assemblyRP (RP), reduced pressure principle detector assemblyRPDA, double check valve assemblyDC, double check detector assemblyDCDA, pressure vacuum breaker (PVB) assembly. The water user may choose a higher level of protection than required by the cityCity.

(Ord. 16-318, 2016)

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§ 9-4-~~5~~6. Backflow prevention assemblies.

Only backflow prevention assemblies which have been approved by the C~~e~~ity shall be acceptable for installation by the water user. A list of approved backflow prevention assemblies will be provided upon request to any affected customer. The installation of these approved assemblies must be done as follows. In order to perform any installations on the following types of assemblies, the user must possess one of the following license classifications:

A. Domestic.
   1. Plumbing (c-36)
   2. General engineering (a)
   3. Limited specialty (c-61/d-64)

B. Landscape Irrigation.
   1. Plumbing (c-36)
   2. General engineering (a)
   3. Limited specialty (c-61/d-64)
   4. Landscape (c-27)

C. Fire Sprinkler System.
   1. Plumbing (c-36)
   2. General engineering (a)
   3. Limited specialty (c-61/d-64)
   4. Fire sprinkler (c-16)

The testing, repair or maintenance of backflow prevention assemblies may be performed by certified backflow prevention assembly testers. The owners of any premises on which, or on account of which, backflow prevention assemblies are installed, shall have the backflow prevention assemblies tested by a certified backflow prevention assembly tester who has demonstrated their competency in testing of these backflow prevention assemblies to the ~~city~~City. Backflow prevention assemblies must be tested at least annually and immediately after installation, relocation or repair. The C~~e~~ity may require a more frequent testing schedule if it is determined to be necessary. No backflow prevention assembly shall be placed back in service unless it is functioning as required. A report in a form acceptable to the C~~e~~ity shall be filed with the C~~e~~ity each time a backflow prevention assembly is tested, re-located or repaired. It is the water user's responsibility to make sure the testers' report form is filed with the C~~e~~ity by the required time period. All backflow prevention assemblies shall be serviced, overhauled or replaced whenever they are found to be defective and all costs of testing, repair and maintenance shall be borne by the water user.

(Ord. 16-318, 2016)

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§ 9-4-~~6~~7. Backflow prevention assembly testing.

A. The ~~c~~City will establish and maintain a list of approved backflow prevention assemblies and an approved certified testers list. The C~~c~~ity shall conduct necessary surveys of water user premises to evaluate the degree of potential health hazards. The C~~c~~ity shall notify the water user when their assembly needs to be tested. A notice to test will be sent by mail and will have the date the test shall be completed. The water user shall supply proof to the C~~c~~ity by such date that the assembly has passed the test. If the test is not completed and proof supplied to the C~~c~~ity by the date on the notice to test a final notice will be sent. If the test is not completed and proof supplied to the C~~c~~ity within the time set forth in the final notice, then a noncompliance notice will be sent. If the backflow prevention assembly has not been tested and proof of compliance has not been supplied to the C~~c~~ity by the date set forth on the noncompliance notice, water service will be terminated on such date unless the user has filed a written request for a hearing on the matter prior to the date set forth on the noncompliance notice. The hearing will be held within 10 days of the written request pursuant to Section 9-4-9. If it is determined that the water user's water service is a threat to the ~~city's~~ City's water system because of the existence of any condition listed in Section 9-4-8(B) ~~of the backflow prevention assembly, or lack thereof~~, then the hearing officer shall order the water service terminated. A failure to appear at the hearing will be deemed an admission that such conditions do exist and shall result in termination of the water service. A reconnect fee in an amount established by resolution of C~~c~~ity ~~c~~Council will be charged before the service ~~will be~~is reconnected. The water supply to the address will be discontinued until the backflow prevention assembly is tested and certified as functioning properly.

B. The purpose of this chapter is to outline the requirements of the C~~c~~ity with regard to persons who test backflow prevention assemblies within the C~~c~~ity limits. This procedure is in accordance with this chapter and ~~administrative code, title 17 section 7605(b)~~. The following requirements are hereby established:

1. Each applicant shall file with the C~~c~~ity a valid photocopy of their certification from ~~the counties of Santa Barbara, Ventura, San Luis Obispo or the American Water Works Association (AWWA) as a certified backflow tester~~a certifying organization.

2. Each applicant shall furnish evidence to show that he or she has the necessary tools and equipment to properly test backflow prevention assemblies.

3. Each applicant shall furnish evidence to show his or her test gauges have been recalibrated, and/or the calibration checked within ~~two years~~one year of the application date. Every ~~two years~~year thereafter, each applicant will submit the written proof that his or her test gauges have been recalibrated and/or the calibration checked for accuracy by a certified agency.

4. Each applicant shall at any time have his or her certification revoked, suspended or not renewed by the C~~ic~~ity for improper testing, repairs, reporting and/or violating any of or part of this chapter.

(Ord. 16-318, 2016; Ord. 23-0373, § 41)

§ 9-4-~~7~~8. Water service termination.

A. General. When the C~~c~~ity encounters a water customer that represents a clear and immediate hazard to the potable water supply that cannot be immediately abated, the C~~c~~ity shall institute

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the following procedures for discontinuing the ~~city's~~ City's water service to said customer.

B. Basis for Termination. Conditions that create a basis for water service termination shall include, but are not limited to, the following items:

1. Refusal to install a required backflow prevention assembly.
2. Refusal to test a backflow prevention assembly.
3. Refusal to repair a faulty backflow prevention assembly.
4. Refusal to replace a faulty backflow prevention assembly.
5. Direct or indirect connection between the public water system and a sewer line or other nonpotable line.
6. Unprotected direct or indirect connection between the public water system and a system or equipment containing contaminants.
7. Unprotected direct or indirect connection between the public water system and an auxiliary water system.
8. A situation which presents an immediate health hazard to the public water system.

C. Water Service Termination Procedures. The water service will be terminated at the address where the backflow device is located if any of the conditions set forth in subsection B of this section exist and are not corrected by the date set forth in the noncompliance notice, and if the water user does not file a timely appeal from the noncompliance notice, as set forth in section 9-4-~~6~~7(A) of this chapter. If water service is terminated, the water service will remain inactive until correction of violations has been approved by the ~~city~~City.

(Ord. 16-318, 2016)

§ 9-4-~~8~~9. Hearing.

If a noncompliance notice has been served and a timely appeal has been filed with the C~~e~~ity pursuant to section 9-4-6, a hearing shall be held before the C~~e~~ity M~~m~~anager or designee at the time and place set forth by the C~~e~~ity M~~m~~anager and within 10 days of the written request for a hearing. At such hearing, the appellant shall present evidence to prove that none of the conditions set forth in section 9-4-~~7~~8(B) of this chapter exist. The failure of the appellant to appear for the hearing shall be deemed an admission that such conditions do exist. At the conclusion of the hearing, the C~~e~~ity M~~m~~anager shall determine, based upon the evidence presented, whether any of the conditions set forth in section 9-4-~~7~~8(B) of this chapter exist. If any such conditions exist or the appellant fails to appear for the hearing, the C~~e~~ity M~~m~~anager shall order termination of the water service.

(Ord. 16-318, 2016)

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APPENDIX E: INVENTORY OF BPAS INSTALLED WITHIN THE CITY OF SOLVANG

Street	Serial #	Model	MANF	Type	Size
Active					
Aalborg Way	**A163430 11/2 FEB**	805Y	**FEBCO**	DC	**1.5"**
	ABT1837	975xL2	**WILKINS**	RP	**1in**
	ALA19508	975XL3	**WILKINS**	RP	**0.75"**
Adobe Creek	**J015168**	825YAR	**FEBCO**	RP	**1"**
	A047111	825YA	**FEBCO**	RP	**1"**
	ABS2766	975xL2	**WILKINS**	RP	**1"**
	ALA16018	975XL3	**WILKINS**	RP	**1"**
Alamo Pintado Rd	**BG2410**	825Y	**FEBCO**	RP	**2''**
	2687655	975XL	**WILKINS**	RP	**2''**
	3169458	975XL	**WILKINS**	RP	**0.75"**
Alisal Rd	**J024845**	825YA	**FEBCO**	RP	**2"**
Amber Way	**3363130**	950XL	**WILKINS**	DC	**1.5"**
	3671717	550	**WILKINS**	DC	**1.5"**
	4104725	950XL	**WILKINS**	DC	**1.5"**
	3141392	975XL	**WILKINS**	RP	**2"**
	3656836	950XL	**WILKINS**	DC	**1.5"**
	3957812	950XL	**WILKINS**	DC	**1.5"**
	W10283	550	**WILKINS**	DC	**1.5"**
	W9799	550	**WILKINS**	DC	**1.5"**
	43306	200B	**AMES**	DC	**1.5"**
Atterdag	**04050606637**	850	**FEBCO**	DC	**4"**
	2632B	350ASTDA	**WILKINS**	DCDA	**4"**
	2633B	350DA	**WILKINS**	DCDA	**8"**
	2771913	975XL	**WILKINS**	RPDA	**2"**
	3332152	975XL	**WILKINS**	RP	**0.75"**
	3415266	975XL	**WILKINS**	RP	**0.75"**
	3415307	975XL	**WILKINS**	RP	**0.75"**
	3997766	950XLD	**WILKINS**	DC	**0.75"**
	3997880	950XLD	**WILKINS**	DC	**0.75"**
	819812	975XL	**WILKINS**	RP	**1"**
	9405180519	825YD	**FEBCO**	RP	**2.5"**
	A000299	825YAR	**FEBCO**	RP	**2"**
	A156540	835Y	**FEBCO**	RP	**2"**
	B27209	975	**FEBCO**	RP	**3"**
	F0412141521	850	**FEBCO**	DC	**4"**
	F0605180722	856	**FEBCO**	DCDA	**6"**
	H000157	805	**FEBCO**	DC	**0.75"**
	H018869	765	**FEBCO**	PVB	**2"**
	J009364	825YA	**FEBCO**	RP	**1"**
	N0704301058	850	**FEBCO**	DC	**4"**
	N0904200804	850	**FEBCO**	DC	**4"**
	X0730	825Y	**FEBCO**	RP	**2"**
	BF7934	825Y	**FEBCO**	RP	**2"**
	H039973	765	**FEBCO**	PVB	**2"**
Bowl Place	**947675**	975XL	**WILKINS**	RP	**1.5"**
	AB8514	765	**FEBCO**	PVB	**1.5"**
	W106879	825YA	**FEBCO**	RP	**1.5"**
	77531	765	**FEBCO**	PVB	**1.5"**
Buttonhook	**2177**	765	**FEBCO**	PVB	**1.25"**
	J028642	825Y	**FEBCO**	RP	**1.5"**
Chalk Hill Rd	**ABA12773**	975xL2	**Wilkins Zurn**	RP	**0.75"**

Street	Serial #	Model	MANF	Type	Size
Active					
Chalk Hill Rd	**W18999S**	975XL	**WILKINS**	RP	**0.75"**
College Canyon Road	**2262655**	975XLSE	**WILKINS**	RP	**2"**
	799746	975KL	**WILKINS**	RPPA	**1"**
Creekside Place	**AB02222**	975xL2	**WILKINS**	RP	**1"**
Elm St	**B372771**	375XL2	**WILKINS**	RP	**2"**
	H039819	765	**FEBCO**	PVB	**2"**
	J010413	825YA	**FEBCO**	RP	**2"**
Eucalyptus	**2303197**	975XL	**WILKINS**	RP	**2"**
	A036567	825YA	**FEBCO**	RP	**2"**
	J038129	825YA	**FEBCO**	RP	**1"**
	U6717	805Y	**FEBCO**	DC	**2"**
	A161938	825Y	**FEBCO**	RP	**1"**
Fairway Place	**J018537**	825YA	**FEBCO**	RP	**1.5"**
	HK04288	765	**FEBCO**	PVB	**1"**
Fifth Street	**3070461**	975XL	**WILKINS**	RP	**1.5"**
	4197705	975XL2U	**WILKINS**	RP	**1.5"**
	A06162	825Y-AR	**FEBCO**	RP	**1"**
	AA9594	765	**FEBCO**	PVB	**2"**
	C2902	805Y	**FEBCO**	DC	**4"**
	J011018	825Y-AR	**FEBCO**	RP	**1"**
	J016517	805YA	**FEBCO**	RP	**1"**
	J002001	825Y-AR	**FEBCO**	RP	**1"**
	BO2461	LF860	**FEBCO**	RP	**2"**
	B453975	375XLB	**WILKINS**	RP	**1"**
First Street	**A000780**	825YAR	**FEBCO**	RP	**0.75"**
	A16659	DC	**AMES**	DCDA	**4"**
	B288273	375	**WILKINS**	RP	**2"**
	W114767	DCDA	**WILKINS**	DCDA	**4"**
	W35398	550	**WILKINS**	DCDA	**4"**
	HI23178	765	**FEBCO**	PVB	**1"**
Fjord Drive	**09888**	007MI	**WATTS**	QTDC	**0.75"**
	1115601107	774DCDA	**WATTS**	DCDA	**6"**
	148876	LF009M2QT	**WATTS**	RP	**1"**
	A217570	825YAR	**FEBCO**	RP	**2"**
	AA1859	75	**FEBCO**	PVB	**2"**
	ACI8624	975xL2	**WILKINS**	RP	**2"**
	ACJ5105	975xL2	**WILKINS**	RP	**2"**
	AA1877	765	**FEBCO**	PVB	**2"**
Fourth Place	**BG0901**	825YA	**FEBCO**	RP	**1"**
Fredensborg Canyon Rd	**ALA07031**	975XL3	**FEBCO**	RP	**1"**
Freya Drive	**118586**	1070	**WILKINS**	PVB	**1.5"**
	164995	720A	**WILKINS**	PVB	**1"**
	36073	800M4QT	**WATTS**	PVB	**1"**
	36137	800M4QT	**WATTS**	PVB	**1"**
	N/A	(blank)	**(blank)**	AG	**(blank)**
	180788	720A	**WILKINS**	PVB	**1"**
	J040179	825Y	**FEBCO**	RP	**2"**
Hillside Drive	**1882417**	975XLBMS	**WILKINS**	RP	**2"**
	3606972	975XLBMS	**WILKINS**	RPDA	**2"**
	132604	825Y	**FEBCO**	RP	**2"**
Holly Lane	**761859**	701	**SMR**	PVB	**1"**

Street	Serial #	Model	MANF	Type	Size
Active					
Holly Lane	**T457312**	720A	**WILKINS**	RP	**0.75"**
	EAG9528	720A	**WILKINS**	PVB	**0.75"**
Hornbeck	**1138**	1138	**WATTS**	DC	**1"**
	4253997	975XL	**WILKINS**	RP	**1"**
Ivy Lane	**A00205**	825YAR	**FEBCO**	RPPA	**1.5"**
	EAF4353	720A	**WILKINS**	PVB	**0.75"**
Kanin Hoj	**W47831**	550	**WILKINS**	DC	**2"**
Kolding	**A121384**	805	**FEBCO**	DC	**1.5"**
	187898	950XL	**WILKINS**	DC	**1"**
Laurel Ave	**2546239**	950XL	**WILKINS**	DC	**1"**
	2625822	950XLD	**WILKINS**	DC	**0.75"**
	2879783	950XL	**WILKINS**	DC	**2"**
	AA5431	765	**FEBCO**	PVB	**2"**
	BE3725	825YA	**FEBCO**	RP	**2"**
	W9782	550	**WILKINS**	DC	**1.5"**
	CHA9205	950XL2	**WILKINS**	DC	**1"**
	CBD426	710	**WILKINS**	PVB	**.75"**
	C10780	PVP4A	**APOLLO**	PVB	**0.75"**
	2661566	975XLBMS	**WILKINS**	RP	**1"**
	4893580	950XL2	**WILKINS**	DC	**1"**
	ABAA6944	975xL2	**WILKINS**	RP	**1"**
Maple Ave	**2738336**	975XLSE	**WILKINS**	RP	**1"**
	3865643	950XLD	**WILKINS**	DC	**0.75"**
	4143819	975XL	**WILKINS**	RP	**1.25"**
	AC1295	765	**FEBCO**	PVB	**1.5"**
	AC1301	765	**FEBCO**	PVB	**1.5"**
	J49170	950	**WILKINS**	DC	**4"**
	N45937	350DA	**WILKINS**	DCDA	**6"**
	ABA17389	975XL	**WILKINS**	RP	**0.75"**
Mission Drive	**000399**	LF009M2PCQT	**WATTS**	RP	**1.5"**
	1059494	975	**WILKINS**	RP	**1"**
	2120970	975XLSEU	**WILKINS**	RP	**0.75"**
	2295709	950XL OA	**WILKINS**	DC	**0.75"**
	2697687	950XL OA	**WILKINS**	DC	**0.75"**
	3188540	975XL	**WILKINS**	RP	**1"**
	3437483	950XL OA	**WILKINS**	DCDA	**0.75"**
	4258912	950XLD	**WILKINS**	DC	**0.75"**
	4355369	975XL2SEU	**WILKINS**	RP	**1"**
	4C15774	950XLD	**WILKINS**	DC	**0.75"**
	5180934	DDC	**FEBCO**	DC	**4"**
	568F	350ASTDA	**WILKINS**	DCDA	**4"**
	628430	975XLBMS	**WILKINS**	RP	**1.5"**
	678733	975XL	**WILKINS**	RP	**2"**
	8300	806YD	**FEBCO**	DCDA	**4"**
	874F	350ASTDA	**WLKINS**	DC	**8"**
	989649	975XL	**FEBCO**	RP	**1"**
	A001685	825YAR	**FEBCO**	RP	**0.75"**
	A005070	825YAR	**FEBCO**	RP	**0.75"**
	A005445	825Y-AR	**FEBCO**	RP	**1"**
	A232303	375XL	**WILKINS**	RP	**2"**
	A49958605	H9505	**MUELLER**	DC	**4"**

Street	Serial #	Model	MANF	Type	Size
Active					
Mission Drive	**B296193**	375XL	**WILKINS**	RP	**1"**
	B3692	806	**FEBCO**	DCDA	**4"**
	BE3312	825YA	**FEBCO**	RP	**1"**
	H007383	825YAB	**FEBCO**	RP	**1"**
	H01045	805Y	**FEBCO**	DC	**0.75"**
	J000633	825Y	**FEBCO**	RP	**2"**
	J004888	825YA	**FEBCO**	RP	**2"**
	J020354	825YA	**FEBCO**	RP	**2"**
	N095191148	806YD	**FEBCO**	DCDA	**4"**
	V13908	350ADA	**WILKINS**	DCDA	**4"**
	V6742	805YA	**FEBCO**	RP	**0.375"**
	W116251	DCDA	**WILKINS**	DCDA	**4"**
	Y48952	805Y	**FEBCO**	DC	**2"**
	E00126	350ADA	**WILKINS**	DCDA	**6"**
	3332181	975XL	**WILKINS**	RP	**1"**
	J010983	825YAR	**WILKINS**	RP	**1"**
Nordentoft Way	**AM3121**	825YA	**FEBCO**	RP	**2"**
Nyborg	**R2889**	825Y	**FEBCO**	RP	**2"**
Nysted	**3919382**	975	**WILKINS**	RP	**1"**
	4101277	975XL	**WILKINS**	RP	**1.25"**
	HOO1776	825YA	**FEBCO**	RP	**1"**
	AC19444	975XLS	**WILKINS**	RP	**1.5"**
Odin Way	**110473**	720A	**WILKINS**	PVB	**1"**
	115445	720A	**WILKINS**	PVB	**0.75"**
	A004880	825YAR	**FEBCO**	RPPA	**1"**
	H244307	765-1	**FEBCO**	PVB	**0.75"**
	J006373	825YA	**FEBCO**	RP	**1"**
Old Mill	**4545683**	975XL	**WILKINS**	RP	**1"**
	H001114	825Y-AR	**FEBCO**	RP	**1"**
	J043851	825YA	**FEBCO**	RP	**1"**
	J124620	825	**FEBCO**	RP	**1"**
Old Mission Dr	**4897543**	975X2	**WILKINS**	RP	**1"**
	4897551	(blank)	**WILKINS**	RP	**1"**
	4897565	(blank)	**WILKINS**	RP	**1"**
	4897535	(blank)	**WILKINS**	RP	**1"**
	4897523	(blank)	**WILKINS**	RP	**1"**
	4897544	(blank)	**WILKINS**	RP	**1"**
	4897553	(blank)	**WILKINS**	RP	**1"**
	4897547	(blank)	**WILKINS**	RP	**1"**
Olesen	**CB511068**	765-1	**FEBCO**	PVB	**0.75"**
	0AA384051	720A	**WILKINS**	PVB	**.75"**
Overdel	**R1061**	825Y	**FEBCO**	RP	**1"**
Oxbow	**J006269**	825YA	**FEBCO**	RP	**1.5"**
Park View Trail	**N/A**	(blank)	**(blank)**	AG	**(blank)**
	T462846	720-A	**WILKINS**	PVB	**0.75"**
	CBK574	710	**WILKINS**	PVB	**0.75"**
Petersen Ave	**3274258**	975XLSEU	**WILKINS**	RP	**1"**
	HE61856	765	**FEBCO**	PVB	**0.75"**
Pine St	**2661560**	950XL	**WILKINS**	DC	**1"**
	3432700	975XL	**WILKINS**	RP	**1"**
	2458348	975XL	**WILKINS**	RP	**1"**

Street	Serial #	Model	MANF	Type	Size
Active					
Pine St	**J013230**	LF825Y	**FEBCO**	RP	**0.75"**
Ranch Road	**137663**	007M1QT	**WATTS**	DC	**2"**
Rancho Alisal Dr	**2722174XLSEU**	975XL	**WILKINS**	RP	**1.5"**
	ABU5766	975xL2	**WILKINS**	RP	**1"**
	ALA15794	975XL3	**WILKINS**	RP	**1"**
Redi-Mix Plant	**A485370**	375XL	**WILKINS**	RP	**2"**
Riley Road	**166377**	1070	**WILKINS**	PVB	**1.5"**
	811946	720A	**WILKINS**	PVB	**2"**
	AA1763	765	**FEBCO**	PVB	**2"**
	IV2381463	720A	**WILKINS**	PVB	**1.5"**
	J024593	825Y	**FEBCO**	RP	**1.5"**
	ACI3536	975xL2	**WILKINS**	RP	**1.5"**
	T009001	720A	**WILKINS**	PVB	**1.5"**
Rincon Drive	**J006025**	825YA	**FEBCO**	RP	**1"**
Ringsted	**110420**	720A	**WILKINS**	PVB	**1"**
	410157	720A	**WILKINS**	PVB	**1"**
	J019218	825	**FEBCO**	RP	**1"**
	N/A	(blank)	**(blank)**	AG	**(blank)**
	4975747	950XL	**WILKINS**	DC	**1"**
	HF45607	765	**FEBCO**	PVB	**0.75"**
Second St	**3699891**	950XL	**WILKINS**	DC	**0.75"**
	AD3041	825Y	**FEBCO**	RP	**0.75"**
	B31794C	805YD	**FEBCO**	DC	**6"**
	VH2288	COLT200	**AMES**	DC	**2.5"**
	J009560	LF825Y	**FEBCO**	RP	**1.5"**
Valhalla	**5016208**	825	**FEBCO**	-	**1"**
	110457	720-A	**WILKINS**	PVB	**0.75"**
	269797A	765	**FEBCO**	PVB	**1"**
	781312	975XL	**WILKINS**	RP	**1"**
	AF9894	765-1	**FEBCO**	PVB	**1"**
	AO5783	825YAR	**FEBCO**	RP	**1"**
	FB6291	765	**FEBCO**	PVB	**1"**
	H731851	765	**FEBCO**	PVB	**1"**
	J006376	805YA	**FEBCO**	RP	**1"**
	W164818	975XL	**WILKINS**	RP	**1"**
	CB409093	720-A	**FEBCO**	PVB	**0.75"**
	129097	800M4QT	**WATTS**	PVB	**1"**
	B243519	720A	**WILKINS**	PVB	**1"**
	ABU8503	975xL2	**WILKINS**	RP	**1"**
	T637328	720A	**WILKINS**	PVB	**1"**
	EAG1811	720A	**WILKINS**	PVB	**0.75"**
	A046538	825YA	**FEBCO**	RP	**1"**
Valley Oak	**1318539**	720-A	**WILKINS**	PVB	**0.75"**
	B232316	375XL	**WILKINS**	RP	**0.75"**
Viborg	**2363305**	975XLSEN	**WILKINS**	RP	**1"**
	A101138	805	**FEBCO**	DC	**1.5"**
	AE1311	825Y	**FEBCO**	RP	**1"**
	AE1315	825YA	**FEBCO**	RP	**1"**
	AE1342	825Y	**FEBCO**	RP	**1"**
	AE1346	825YA	**FEBCO**	RP	**1"**
	AE1357	825YA	**FEBCO**	RP	**1"**

Street	Serial #	Model	MANF	Type	Size
Active					
Viborg	**AE1358**	825YA	**FEBCO**	RP	**1"**
	H10354	825YA	**FEBCO**	RP	**1.25"**
	V3076	6C	**FEBCO**	RP	**1.5"**
	4935921XLSEU	975xL2	**WILKINS**	RP	**1"**
	259BF	350 ASTDAR	**WILKINS**	DCDA	**4"**
	HC55168	950KLD	**WILKINS**	DC	**3/4"**
	ACM7420	975xL2	**WILKINS**	RP	**1.5"**
	T633205	720-A	**WILKINS**	PVB	**1in**
	386354	LF009M3QT	**WATTS**	RP	**0.75"**
Village Lane	**4425637**	975xL2	**WILKINS**	RP	**1.5"**
	3199885XLD	950XLD	**WILKINS**	DC	**0.75"**
	AD3096	825YA	**FEBCO**	RP	**0.75"**
	AE0274	825Y	**FEBCO**	RP	**1"**
	AE6214	825Y	**FEBCO**	RP	**1.5"**
	AF0354	825Y	**FEBCO**	RP	**1"**
	B3977	806Y	**FEBCO**	DCDA	**4"**
	BG1103	825YA	**FEBCO**	RP	**0.75"**
	J015136	825YA	**FEBCO**	RP	**2"**
	N32764	350DA	**WILKINS**	DCDA	**4"**
	S9797	825Y	**FEBCO**	RP	**1.5"**
	ZK103	16	**CLA-YAL**	DC	**4"**
	4739788	975XLS	**WILKINS**	RP	**1.5"**
Village Lane	**4217407**	975XL2SEU	**WILKINS**	RP	**0.75"**
Willow Drive	**3582177XLSEU**	975XLSEU	**WILKINS**	RP	**1"**
	FH5218	765	**FEBCO**	PVB	**1"**
	T463938	720A	**WILKINS**	PVB	**3/4"**
	432174	420	**WILKINS**	PVP	**0.75"**
	ABS4630	975xL2	**WILKINS**	RP	**0.75"**
Aarhus Drive	**4524025**	975xL2	**WILKINS**	RP	**2"**
	A108060	805Y	**FEBCO**	DC	**1"**
	H000455	805Y	**FEBCO**	DC	**0.75"**
	N/A	(blank)	**(blank)**	AG	**(blank)**
	B3139	806	**FEBCO**	DCDA	**4.0"**
	ABH6632	975xL2	**WILKINS**	RP	**1.0"**
	ABA53983	975XL	**WILKINS**	RP	**1"**
Alamo Pintado Road	**1771612**	975XLBMS	**WILKINS**	RP	**2"**
	3432644	975XL	**WILKINS**	RP	**1"**
	4579219	975xL2	**WILKINS**	RP	**1.25"**
	09359	2000BM3	**AMES**	DC	**0.75"**
	3EM0162	3000SS	**AMES**	DCDA	**6"**
	A000931	825YAR	**FEBCO**	RP	**0.75"**
	A019502	825YA	**FEBCO**	RP	**0.75"**
	A04359	860	**FEBCO**	RP	**2"**
	A166735	825Y	**FEBCO**	RP	**1.5"**
	AE1328	825YA	**FEBCO**	RP	**1"**
	AF3671	825YA	**FEBCO**	RP	**1"**
	AF3672	825YA	**FEBCO**	RP	**1"**
	AF3682	825YA	**FEBCO**	RP	**1"**
	B0435	806YD	**FEBCO**	DCDA	**4"**
	B214551	375	**WILKINS**	RP	**1"**
	C0135	806	**FEBCO**	DCDA	**4"**

Street	Serial #	Model	MANF	Type	Size
Active					
Alamo Pintado Road	**C0771**	805YD	**FEBCO**	DC	**4"**
	H005589	825	**FEBCO**	RPPA	**0.75"**
	H01847	007 QT	**WATTS**	DC	**0.5"**
	HC33166	765	**FEBCO**	PVB	**2"**
	J007199	825YA	**FEBCO**	RP	**1"**
	W10289	550	**WILKINS**	DC	**1.25"**
	W18441	550	**WILKINS**	DC	**4"**
Alisal Road	**80904**	975	**WILKINS**	RP	**2"**
	87617	2	**HERSEY**	DC	**3"**
	165255	774	**WATTS**	DCDA	**4"**
	363763	200	**RAINBIRD**	PVB	**2"**
	679462	975	**WILKINS**	RP	**1.5"**
	4058559	950XL 0A	**WILKINS**	DC	**0.75"**
	4459284	975xL2	**WILKINS**	RP	**0.75"**
	9406060541	806YD	**FEBCO**	DCDA	**4"**
	9801151436	805D	**FEBCO**	DC	**4"**
	386550XLD	950XL	**WILKINS**	DC	**0.75"**
	AE1300	825Y	**FEBCO**	RP	**1"**
	AM3109	825Y	**FEBCO**	RP	**1.5"**
	B10648	975XL	**WILKINS**	RP	**6"**
	B18176	805YD	**FEBCO**	DC	**4"**
	BD8276	825Y	**FEBCO**	RP	**2"**
	E1379	825Y	**FEBCO**	RP	**1.5"**
	H000396	805Y	**FEBCO**	DC	**0.75"**
	H009550	825YA	**FEBCO**	RP	**2"**
	H013954	805YB	**FEBCO**	DC	**0.75"**
	H510389	765	**FEBCO**	PVB	**1"**
	J001450	825YA	**FEBCO**	RP	**1.5"**
	J004862	825Y	**FEBCO**	RP	**0.75"**
	J040091	825Y	**FEBCO**	RP	**1"**
	J088946	825Y	**FEBCO**	RP	**1"**
	L50682	375RPDA	**WILKINS**	RP	**3"**
	N0706110845	856	**FEBCO**	DCDA	**6"**
	N1212200726	856	**FEBCO**	DCDA	**4"**
	NL0910	957RPDA-GV	**WATTS**	RPDA	**3"**
	NL2006	957	**WILKINS**	RP	**3"**
	V17139	350ADA	**WILKINS**	DCDA	**4"**
	V30149	350ADA	**WILKINS**	DCDA	**4"**
	V39384	350ADA	**WILKINS**	DCDA	**8"**
	WW581469	720A	**WILKINS**	PVB	**1"**
	X06818	375A	**WILKINS**	RPDA	**6"**
	J008665	825YA	**FEBCO**	RP	**2"**
	4859339	975xL2	**WILKINS**	RP	**1"**
	BD6322	825Y 1.500"	**FEBCO**	RP	**1.5"**
	BE3902	825Y	**FEBCO**	RP	**2"**
	J010459	LF825YA	**FEBCO**	RP	**2"**
	3015F	350HSTDAR	**WILKINS**	DCDA	**4"**
	4964609	950XLD	**WILKINS**	RP	**0.75"**
	J002851	825Y	**FEBCO**	RP	**0.75"**
	H018568	805YB	**FEBCO**	DC	**0.75"**
	ABH1181	975XL	**WILKINS**	RP	**0.75"**

Street	Serial #	Model	MANF	Type	Size
Active					
Alisal Road	**G056328**	720A	**WILKINS**	PVB	**1"**
	C09878	PVP4A	**APOLLO**	PVB	**0.75"**
	J012181	825Y	**FEBCO**	RP	**2"**
	O220E24	3000	**AMES**	DCDA	**4"**
	AKE6984	825Y	**FEBCO**	RP	**1"**
	AJAJ6641	375XLRP	**WILKINS**	RP	**1"**
	V60174	950XLD	**WILKINS**	DC	**0.75"**
	HC45464	957	**WATTS**	RP	**3"**
	XF1132	LF007MI	**WATTS**	DC	**1"**
	201357	350ADA	**WILKINS**	DC	**4"**
Floral Drive	**J033084**	825YR	**FEBCO**	RP	**2"**
Chalk Hill Road	**B024601**	375	**WILKINS**	RP	**1"**
Copenhagen Drive	**221457**	007M3QT	**WATTS**	DC	**0.75"**
	32252	719QT	**WATTS**	DCDA	**0.75"**
	4188725	950XL	**WILKINS**	DC	**0.75"**
	4577544	975XLSE	**WILKINS**	RP	**1"**
	A000318	825YAR	**FEBCO**	RP	**2"**
	A000475	825YAR	**FEBCO**	RP	**2"**
	A022316	825Y	**FEBCO**	RP	**1"**
	A043530	825Y	**FEBCO**	RP	**0.75"**
	AB4389	825Y	**FEBCO**	RP	**0.75"**
	BO419	806	**FEBCO**	DCDA	**4"**
	E00963	350ADAR	**WILKINS**	DCDA	**4"**
	H16325	825Y	**FEBCO**	RP	**1.5"**
	J083037	825YA	**FEBCO**	RP	**0.75"**
	N1308020953	856ST	**FEBCO**	DCDA	**6"**
	TC2574	757	**WATTS**	DC	**4"**
	XE106	880	**FEBCO**	RP	**6"**
	3472343	950XLT2	**WILKINS**	DC	**2"**
	8151828	375XL	**WILKINS**	RP	**0.75"**
Fredensborg Canyon Road	**1500619**	975XL	**WILKINS**	RP	**1"**
Rancho Alisal Drive	**1778**	800M4QT	**WATTS**	PVB	**1.5"**
	324454	720A	**WILKINS**	PVB	**2"**
	347954	720A	**WILKINS**	PVB	**2"**
	A049768	825YA	**FEBCO**	RP	**1"**
	AA2295	4	**FEBCO**	PVB	**2"**
	AB3434	765	**FEBCO**	PVB	**2"**
	AB4612	765	**FEBCO**	PVB	**1"**
	AB4955	765	**FEBCO**	PVB	**2"**
	AC9372	765	**FEBCO**	PVB	**1.5"**
	ACD2668	975xL2	**WILKINS**	RP	**1.5"**
	J000030	825YA	**FEBCO**	RP	**1.5"**
	LC881	765	**FEBCO**	PVB	**1"**
	N/A	(blank)	**(blank)**	AG	**(blank)**
	28402	765	**FEBCO**	PVB	**1.5"**
	J021419	825YA	**FEBCO**	RP	**1.5"**
	ACK9142	1070	**WILKINS**	PVB	**1.5"**
Oak Street	**4785503**	975XL	**WILKINS**	RP	**1"**
	89360	765	**FEBCO**	PVB	**1"**
	J018156	825YA	**FEBCO**	RP	**2"**
	JO15360	825YA	**FEBCO**	RP	**1"**

Street	Serial #	Model	MANF	Type	Size
Active					
Oak Street	**Y3736**	825YA	**FEBCO**	RP	**1"**
	133303	WATTS	**HERSEY**	DC	**3"**
	AJAJ7162	375XLRP	**WILKINS**	RP	**1"**
Old Mission Drive	**050643**	LF009MSQT	**WATTS**	RP	**1.5"**
	107101	LF009M2QT	**WATTS**	RP	**1"**
	137896	LF009M2QT	**WATTS**	RP	**1"**
	220296	007M3QT	**WATTS**	DC	**0.75"**
	4362912	950	**WILKINS**	DC	**0.75"**
	4372164	950	**WILKINS**	DCDA	**0.75"**
	4481503	975XL	**WILKINS**	RP	**2"**
	4604254	975XL	**WILKINS**	RP	**1"**
	4812117	950XL	**WILKINS**	DC	**0.75"**
	48904	350	**WILKINS**	DCDA	**6"**
	SJ-0823	LF757NDCDAGV	**WATTS**	DCDA	**6"**
	V48733	350	**WILKINS**	DCDA	**6"**
	218440	007M3QT	**WATTS**	DC	**0.75"**
	TC-2170	LF009MSQT	**WATTS**	RPDA	**4"**
Roskilde Road	**EAF962**	720A	**WILKINS**	PVB	**0.75"**
Pistache Ave	**CAA69023**	720A	**WILKINS**	PVB	**0.75"**
	HE88498	765	**FEBCO**	PVB	**0.75"**
Hans Park Trail	**N/A**	(blank)	**(blank)**	AG	**(blank)**
Valley Oak Road	**N/A**	(blank)	**(blank)**	AG	**(blank)**
Windmill Court	**N/A**	(blank)	**(blank)**	AG	**(blank)**
	ALA14360	975XL3	**WILKINS**	RP	**0.75"**
Chalk Hill Road (HCA)	**4302753**	975XL	**WILKINS**	RP	**2"**
	4791875	975xL2	**WILKINS**	RP	**1"**
	AA8261	825Y	**FEBCO**	RP	**2"**
Olesen	**ACK9157**	950XLT2	**WILKINS**	DC	**1.5"**
Chalk Hill (HCA)	**T189192**	720-A	**WILKINS**	PVB	**1''**
Old Mill Rd	**2722176**	975XL	**WILKINS**	RP	**1.5**
	ABAA5733	975xL2	**WILKINS**	RP	**1in**
	AKC5405	375XL	**Zurn-Wilkins**	RP	**1.5"**
Kronen Way	**J08471**	825Y	**FEBCO**	RP	**1"**
Mission Dr	**4429438**	975XL	**WILKINS**	RP	**0.75**
	BB7072	825Y12	**FEBCO**	RP	**1''**
	ABAA5542	975XL	**WILKINS**	RP	**1"**
	J054304	825YA	**(blank)**	RP	**1"**
Kolding Ave	**HE39617**	765	**FEBCO**	PVB	**0.75**
	ABM053	710	**WILKINS**	PVB	**0.75"**
	ALA23483	975XL3	**WILKINS**	RP	**1"**
Mission Drive	**ABQ9579**	975xL2	**WILKINS**	RP	**0.75"**
	ABS8420	975xL2	**WILKINS**	RP	**0.75"**
	ABT0830	975xL2	**WILKINS**	RP	**0.75"**
Aalborg Court	**ABA81577**	975xL2	**WILKINGS**	RP	**1"**
Coast Oak Road	**T463365**	720-A	**WILKINS**	PVB	**0.75"**
Eucalyptus Drive	**AJAU7150**	375XL	**WILKINS**	RP	**0.75"**
Fairway Drive	**ABT2186**	975xL2	**WILKINS**	PVB	**1"**
Hickory Way	**T620873**	720A	**Willkins**	PVB	**1"**
Manzanita Dr	**477181**	009-M3 QT	**WATTS**	RP	**0.75"**
	ABJ6622	975xL2	**Zurn-Wilkens**	RP	**1"**
	ABW2808	975xL2	**WILKINS**	RP	**0.75"**

Street	Serial #	Model	MANF	Type	Size
Active					
Manzanita Dr	**T279453**	720A	**WILKINS**	PVB	**1"**
	AEFY135	720	**WILKINS**	PVB	**0.75"**
Mountain View Dr	**ABAA1431**	975xL2	**WILKINS**	RP	**0.75"**
Myrtle Ct	**T618183**	720-A	**Willkins**	PVB	**1in**
Nysted Dr	**J001141**	825YA	**FEBCO**	RP	**1.5"**
	ABI4786	975xL2	**WILKINS**	RP	**1"**
	AJT9779	375XL	**WILKINS**	RP	**1"**
	G154188	720A	**WILKINS**	PVP	**1"**
	CAA6627B	720A	**WILKINS**	PVB	**0.75"**
Overdel Ln	**T454067**	720A	**WILKINS**	PVB	**1"**
Sawleaf Ln	**MD96436**	(blank)	**(blank)**	PVB	**0.75"**
Third Street	**FAF3190**	720A	**WILKINS**	PVB	**0.75"**
	AJAF8387	375	**WILKINS**	RP	**1"**
	AIA19532	975XL3	**WILKINS**	RP	**0.75"**
	AJS5066	375XLRP	**WILKINS**	RP	**1"**
Windmill Lane	**ALA33749**	975XL3	**WILKINS**	RP	**0.75"**
Mesa Dr	**02173**	765	**FEBCO**	PVB	**1.5"**
	607969	720-A	**WILKINS**	PVB	**2"**
Aalborg Ct	**AO45643**	825Y	**FEBCO**	RP	**1"**
Skagen Dr	**910214**	950XL	**WILKINS**	DC	**1.5"**
	V4917	805Y	**FEBCO**	DC	**1.5"**
Rebild Dr	**GI25632**	721A	**WILKINS**	PVB	**1"**
Viborg Rd	**1968173**	950XL OA	**WILKINS**	DC	**0.75"**
	3299599XLD	950XLD	**WILKINS**	DC	**0.75"**
	3361192	975XLS2SEU	**WILKINS**	RP	**0.75"**
	3589937	975XLS2SEU	**WILKINS**	RP	**0.75"**
	J001265	825Y	**FEBCO**	RP	**0"**
	J003043	825Y	**FEBCO**	RP	**2"**
	J003115	825Y	**FEBCO**	RP	**2"**
	J006919	825Y	**FEBCO**	RP	**1.5"**
	N33633	350DA	**FEBCO**	DCDA	**4"**
	4817015	950XLD	**WILKINS**	DC	**0.75"**
Valhalla Dr	**107755**	975	**WILKINS**	RP	**1"**
	18071	800M4	**WATTS**	PVB	**1"**
	ABA69042	975xL2	**WILKINS**	RP	**1"**
Augustenborg	**2246336**	975XL	**WILKINS**	RP	**0.75**
IRR PH2	**AC05306**	375XL	**WILKINS**	RP	**2"**
First Street Landscp/Muni.Pkg	**G245508**	720A	**WILKINS**	PVB	**1"**
Alisal Rd Parking Lot #1	**J000251**	825YA	**FEBCO**	RP	**1"**
Skytt Mesa	**J026674**	825Y	**FEBCO**	RP	**1.5"**
Mission Dr (Solvang Park RR2)	**2230892**	975XLBMS	**WILKINS**	RP	**2"**
Mission Drive Memorial Bldg	**4279704**	975XLSEU	**WILKINS**	RP	**2"**
1205 B Petersen Ave	**W264971**	975XL	**WILKINS**	RP	**2"**
Solvang Mesa/Chalk Hill	**22422446**	975XLSEU	**WILKINS**	RP	**1.5"**
S Alisal Road (WWP)	**3957091**	950XLT2	**WILKINS**	DC	**0.75"**
	V41088	350ADA	**WILKINS**	DCDA	**6"**
Oak Street Municipal Center Bldg	**A004366**	825YAB	**WILKINS**	RP	**1"**
Skytt Mesa Rd	**3967205**	975xL2	**WILKINS**	RP	**2"**
Roskilde	**BA6881**	825YA	**FEBCO**	RP	**1.5"**
Roskilde Landscape	**A005169**	825YAR	**FEBCO**	RP	**1.5"**
Vigard Dr	**AJE2888**	375XLP	**Zurn-Wilkins**	RP	**1"**

Street	Serial #	Model	MANF	Type	Size
Active					
Aebeltoft Way	**A024562**	825YA	**FEBCO**	RP	**1"**
Inactive					
Hillside Drive	**W2317**	825Y	**FEBCO**	RP	**2"**
Ivy Lane	**AB52464**	975tL2	**WILKINS**	RP	**1"**
Mission Drive	**N/A**	(blank)	**(blank)**	(blank)	**(blank)**
	A06603	825Y	**FEBCO**	RP	**1"**
Village Lane	**V9067**	825Y	**FEBCO**	RP	**1.5"**
Kolding Ave	**N/A**	(blank)	**(blank)**	(blank)	**(blank)**
Creekside Drive	**N/A**	(blank)	**(blank)**	(blank)	**(blank)**
Nysted Dr	**N/A**	(blank)	**(blank)**	(blank)	**(blank)**
Third Street	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Vester Hod	**N/A**	(blank)	**(blank)**	(blank)	**(blank)**
Augustenborg	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
unknown					
Fredensborg Canyon Rd	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Rancho Alisal Dr	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Oak Ridge Rd	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Aebeltoft Way	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Valley Oak Rd	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Kronborg Way	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Rosenvej	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
(blank)					
(blank)	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
pending					
Chalk Hill Rd	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Nordentoft Way	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Old Mission Dr	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Pistache Ave	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Kolding Ave	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
College Canyon Rd	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Elm Ave	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Juniper Ave	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
pending					
Hornbeck	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**
Third Street	**(blank)**	(blank)	**(blank)**	(blank)	**(blank)**

APPENDIX F: LIST OF FCCCHR APPROVED BPAS

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
AVB	Ames	A100	3/4	VUH	1-Nov-1991	1-Nov-2024	N	8		Y		
AVB	Ames	A100	1	VUH	1-Nov-1991	1-Nov-2024	N	8		Y		
AVB	Ames	A100	1 1/2	VUH	27-Sep-1991	27-Sep-2024	N	8		Y		
AVB	Ames	A100	2	VUH	21-Aug-1991	21-Aug-2024	N	8		Y		
AVB	Watts	288AM3	1 1/4	VUH	12-Aug-1991	12-Aug-2024	N	8		Y		
AVB	Watts	288AM3	1 1/2	VUH	27-Sep-1991	27-Sep-2024	N	8		Y		
AVB	Watts	288AM3	2	VUH	21-Aug-1991	21-Aug-2024	N	8		Y		
AVB	Watts	288AM3	2 1/2	VUH	10-Sep-1991	10-Sep-2024	N	8		Y		
AVB	Watts	288AM3	3	VUH	16-Sep-1991	16-Sep-2024	N	8		Y		
AVB	Watts	288AM5	3/4	VUH	1-Nov-1991	1-Nov-2024	N	8		Y		
AVB	Watts	288AM5	1	VUH	1-Nov-1991	1-Nov-2024	N	8		Y		
DC	Ames	2000-DC	10	H	4-Aug-1987	4-Aug-2023	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000-DCA	4	H	11-Jan-1988	11-Jan-2024	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000-DCA	6	H	11-Jan-1988	11-Jan-2024	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000-DCA	8	H	11-Jan-1988	11-Jan-2024	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000-G-DC	10	H	4-Aug-1987	4-Aug-2023	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000-G-DCA	4	H	11-Jan-1988	11-Jan-2024	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000-G-DCA	6	H	11-Jan-1988	11-Jan-2024	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000-G-DCA	8	H	11-Jan-1988	11-Jan-2024	N	7	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000B	1/2	H	6-Dec-1983	6-Dec-2022	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1/2	H	16-Jun-1997	16-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1/2	VU	16-Jun-1997	16-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	3/4	H	5-Apr-1993	5-Apr-2023	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	3/4	VU	27-Aug-1996	27-Aug-2023	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1	H	26-Feb-1991	26-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1	H	18-May-1998	18-May-2022	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1	VU	18-May-1998	18-May-2022	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1 1/4	H	1-Oct-1996	1-Oct-2023	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1 1/4	VU	1-Oct-1996	1-Oct-2023	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1 1/2	H	24-May-1994	24-May-2024	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	1 1/2	VU	11-Mar-1996	11-Mar-2023	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	2	H	30-Jun-1992	30-Jun-2022	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B	2	VU	8-Mar-1996	8-Mar-2023	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000B-FP	3/4	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee)	N		
DC	Ames	2000B-FP	1									
DC	Ames	2000B-FP	1 1/4									
DC	Ames	2000B-FP	1 1/2									
DC	Ames	2000B-FP	2									
DC	Ames	2000BM1-FP	1	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM1-FP	1	VU	21-Aug-2017	21-Aug-2023	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM1-FP	2	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM1-FP	2	VU	21-Aug-2017	21-Aug-2023	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM2-FP	1 1/4	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM2-FP	1 1/4	VU	21-Aug-2017	21-Aug-2023	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM2-FP	1 1/2	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM2-FP	1 1/2	VU	21-Aug-2017	21-Aug-2023	N	9	(eeeee),uuuuuu	N		
DC	Ames	2000BM3	3/4	H	27-Mar-2000	27-Mar-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000BM3	3/4	VU	27-Mar-2000	27-Mar-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Ames	2000BM3-FP	3/4	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee)	N		
DC	Ames	2000CIV	4	H	15-Jan-1982	15-Jan-2024	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000CIV	4	VU	11-Mar-1996	11-Mar-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000CIV	6	H	18-May-1982	18-May-2024	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000CIV	6	VU	5-Dec-1996	5-Dec-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000CIV	8	H	6-Jul-1981	6-Jul-2023	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000CIV	8	VU	5-Dec-1996	5-Dec-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000CIV	10	H	16-Mar-1983	16-Mar-2025	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000CIV	10	VU	5-Dec-1996	5-Dec-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,eee	Y		
DC	Ames	2000SE	2 1/2	H	10-Sep-1996	10-Sep-2023	N	8	(mm),ee,ff,gg,hh,ll,mm,oo,pp,tt,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000SE	6	H	22-Nov-1993	22-Nov-2023	N	8	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000SE	8	H	9-Sep-1992	9-Sep-2022	N	8	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Ames	2000SS	3/4	H	5-May-1995	5-May-2022	N	8	ii	Y		
DC	Ames	2000SS	1	H	5-May-1995	5-May-2022	N	8	ii	Y		
DC	Ames	2000SS	1 1/4	H	14-Jul-1995	14-Jul-2022	N	8	ii	Y		
DC	Ames	2000SS	1 1/2	H	13-Oct-1995	13-Oct-2022	N	8	ii	Y		
DC	Ames	2000SS	2	H	13-Oct-1995	13-Oct-2022	N	8	ii	Y		
DC	Ames	2000SS	2 1/2	H	11-Jul-1991	11-Jul-2024	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Ames	2000SS	2 1/2	H	11-Jul-1991	11-Jul-2024	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Ames	2000SS	3	H	11-Jul-1991	11-Jul-2024	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Ames	2000SS	3	H	11-Jul-1991	11-Jul-2024	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Ames	2000SS	4	H	11-Jul-1991	11-Jul-2024	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Ames	2000SS	4	H	11-Jul-1991	11-Jul-2024	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Ames	2000SS	6	H	9-Sep-1992	9-Sep-2022	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Ames	2000SS	6	H	9-Sep-1992	9-Sep-2022	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Ames	2000SS	8	H	16-Sep-1996	16-Sep-2023	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Ames	2000SS	8	H	16-Sep-1996	16-Sep-2023	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Ames	2000SS	10	H	16-Feb-2001	16-Feb-2025	N	8	pp,	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Ames	2000SS	10	H	16-Feb-2001	16-Feb-2025	Y	8	(ll),mm,oo	N		
DC	Ames	2000SS	12	H	22-Jul-2009	22-Jul-2024	N	9	pp,	N		
DC	Ames	2000SS	12	H	22-Jul-2009	22-Jul-2024	Y	9	(ll),mm,oo	N		
DC	Ames	2000SS	12	VU	22-Feb-2011	22-Feb-2023	N	9	pp,	N		
DC	Ames	2000SS	12	VU	22-Feb-2011	22-Feb-2023	Y	9	(ll),mm,oo	N		
DC	Ames	2000SS-M	4	H	5-May-1995	5-May-2022	N	8	(tt),ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	N		
DC	Ames	2000SS-M	6	H	5-May-1995	5-May-2022	N	8	(tt),ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	N		
DC	Ames	200B	1/2	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1/2	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1/2	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	3/4	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	3/4	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	3/4	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1 1/4	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1 1/4	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1 1/4	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1 1/2	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1 1/2	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	1 1/2	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	2	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	2	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B	2	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B R10	1/2	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B R10	1/2	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B R10	1/2	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B R10	3/4	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B R10	3/4	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B R10	3/4	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B-A	1/2	VUVD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B-A	1	VUVD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B-A	1 1/4	VUVD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B-A	1 1/2	VUVD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B-A	2	VUVD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B-AR10	1/2	VUVD	3-Jul-2013	3-Jul-2022	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	200B-AR10	3/4	VUVD	3-Jul-2013	3-Jul-2022	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	Colt 200	2 1/2	H	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200	2 1/2	H	20-Jul-2004	20-Jul-2022	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	2 1/2	VU	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200	2 1/2	VU	20-Jul-2004	20-Jul-2022	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	3	H	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200	3	H	20-Jul-2004	20-Jul-2022	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	3	VU	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200	3	VU	20-Jul-2004	20-Jul-2022	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	4	H	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200	4	H	20-Jul-2004	20-Jul-2022	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	4	VU	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200	4	VU	20-Jul-2004	20-Jul-2022	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	6	H	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Colt 200	6	H	21-Apr-2006	21-Apr-2024	Y	9	yyy,zzz,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	6	VU	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Colt 200	6	VU	21-Apr-2006	21-Apr-2024	Y	9	yyy,zzz,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	8	H	11-Aug-2004	11-Aug-2022	N	9	ppp,qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Colt 200	8	H	11-Aug-2004	11-Aug-2022	Y	9	(yyy),zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	8	VU	10-Feb-2006	10-Feb-2024	N	9	ppp,qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Colt 200	8	VU	10-Feb-2006	10-Feb-2024	Y	9	(yyy),zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	10	H	2-May-2008	2-May-2023	N	9	ppp,qqq,aaaa,bbbb	N		
DC	Ames	Colt 200	10	H	2-May-2008	2-May-2023	Y	9	yyy,zzz,dddd,eeee,ggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200	10	VU	2-May-2008	2-May-2023	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Ames	Colt 200	10	VU	5-Dec-2014	5-Dec-2023	Y	9	yyy,zzz,dddd,eeee,ggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200a	2 1/2	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),fff,qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200a	2 1/2	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200a	3	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200a	3	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200a	4	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200a	4	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200a	6	H	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200a	6	VU	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200N	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200N	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200N	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200N	3	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200N	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200N	4	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Ames	Colt 200N	6	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Colt 200N	6	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200N	8	VUVD	3-Jan-2013	3-Jan-2025	N	9	ppp,qqq,aaaa,bbbb	N		
DC	Ames	Colt 200N	8	VUVD	3-Jan-2013	3-Jan-2025	Y	9	yyy, zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200N	10	VUVD	1-Sep-2009	1-Sep-2024	N	9	(ppp),qqq	N		
DC	Ames	Colt 200N	10	VUVD	1-Sep-2009	1-Sep-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Colt 200Na	2 1/2	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200Na	3	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200Na	4	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	Colt 200Na	6	VUVD	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,ffff,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Ames	DC	4	H	14-Jun-1985	14-Jun-2024	N	6	oo,pp,ffff,gggg	Y		
DC	Ames	DC	6	H	14-Jun-1985	14-Jun-2024	N	6	oo,pp,ffff,gggg	Y		
DC	Ames	DC	8	H	4-Aug-1987	4-Aug-2023	N	7	oo,pp,ffff,gggg	Y		
DC	Ames	DC	10									
DC	Ames	DC	10									
DC	Ames	DCA	4									
DC	Ames	DCA	4									
DC	Ames	DCA	6									
DC	Ames	DCA	6									
DC	Ames	DCA	8									
DC	Ames	DCA	8									
DC	Ames	Deringer 20	2 1/2	H	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	2 1/2	VU	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	3	H	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	3	VU	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	4	H	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	4	VU	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	6	H	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	6	VU	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	8	H	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20	8	VU	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20G	2 1/2	H	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	2 1/2	VU	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	3	H	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	3	VU	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	4	H	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	4	VU	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	6	H	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	6	VU	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	8	H	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20G	8	VU	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20GX	4	H	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20GX	4	VU	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20GX	6	H	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20GX	6	VU	26-Mar-2020	26-Mar-2023	Y	10	(ssssss), tttttt	N		
DC	Ames	Deringer 20X	4	H	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20X	4	VU	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20X	6	H	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	Deringer 20X	6	VU	26-Mar-2020	26-Mar-2023	Y	10	(int)	N		
DC	Ames	LF2000B	1/2	H	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF2000B	1/2	VU	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF2000BM1	1	H	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF2000BM1	1	VU	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF2000BM1	2	H	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF2000BM1	2	VU	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF2000BM1-FP	1	H	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM1-FP	1	VU	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM1-FP	2	H	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM1-FP	2	VU	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM2	1 1/4	H	25-Sep-2013	25-Sep-2022	Y	8	(hhhh)	N		
DC	Ames	LF2000BM2	1 1/4	VU	25-Sep-2013	25-Sep-2022	Y	8	(hhhh)	N		
DC	Ames	LF2000BM2	1 1/2	H	25-Sep-2013	25-Sep-2022	Y	8	(hhhh)	N		
DC	Ames	LF2000BM2	1 1/2	VU	25-Sep-2013	25-Sep-2022	Y	8	(hhhh)	N		
DC	Ames	LF2000BM2-FP	1 1/4	H	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM2-FP	1 1/4	VU	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM2-FP	1 1/2	H	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM2-FP	1 1/2	VU	12-Mar-2019	12-Mar-2025	Y	9	(eeeee),uuuuuu	N		
DC	Ames	LF2000BM3	3/4	H	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF2000BM3	3/4	VU	25-Sep-2013	25-Sep-2022	Y	9	(hhhh)	N		
DC	Ames	LF200B	1/2	H	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	Y		
DC	Ames	LF200B	1/2	VD	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	Y		
DC	Ames	LF200B	1/2	VU	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	Y		
DC	Ames	LF200B	3/4	H	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	Y		
DC	Ames	LF200B	3/4	VD	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	Y		
DC	Ames	LF200B	3/4	VU	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	Y		
DC	Ames	LF200B	1	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Ames	LF200B	1	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	1	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	1 1/4	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	1 1/4	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	1 1/4	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	1 1/2	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	1 1/2	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	1 1/2	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	2	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	2	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B	2	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B R10	1/2	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B R10	1/2	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B R10	1/2	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B R10	3/4	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B R10	3/4	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B R10	3/4	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B-A	1	VUVD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B-A	1 1/4	VUVD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B-A	1 1/2	VUVD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LF200B-A	2	VUVD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Ames	LFU200B	1	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1 1/4	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1 1/4	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1 1/4	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1 1/2	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1 1/2	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	1 1/2	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	2	H	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	2	VD	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	LFU200B	2	VU	14-Jun-2006	14-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	Maxim 200	2 1/2	H	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200	2 1/2	H	20-Jul-2004	20-Jul-2022	Y	9	yyy,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	2 1/2	VU	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200	2 1/2	VU	20-Jul-2004	20-Jul-2022	Y	9	yyy,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	3	H	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200	3	H	20-Jul-2004	20-Jul-2022	Y	9	yyy,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	3	VU	20-Jul-2004	20-Jul-2022	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200	3	VU	20-Jul-2004	20-Jul-2022	Y	9	yyy,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	4	H	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Maxim 200	4	H	21-Apr-2006	21-Apr-2024	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	4	VU	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Maxim 200	4	VU	21-Apr-2006	21-Apr-2024	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	6	H	11-Aug-2004	11-Aug-2022	N	9	ppp,qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Maxim 200	6	H	11-Aug-2004	11-Aug-2022	Y	9	(yyy),zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	6	VU	10-Feb-2006	10-Feb-2024	N	9	ppp,qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Maxim 200	6	VU	10-Feb-2006	10-Feb-2024	Y	9	(yyy),zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200	8	H	2-May-2008	2-May-2023	N	9	ppp,qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Maxim 200	8	H	2-May-2008	2-May-2023	Y	9	(yyy),zzz,dddd,eeee,gggg	N		
DC	Ames	Maxim 200	8	VU	2-May-2008	2-May-2023	N	9	ppp,qqq,aaaa,bbbb,nnnnn	N		
DC	Ames	Maxim 200	8	VU	2-May-2008	2-May-2023	Y	9	(yyy),zzz,dddd,eeee,gggg	N		
DC	Ames	Maxim 200	10	H	20-Oct-2008	20-Oct-2023	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Ames	Maxim 200	10	H	20-Oct-2008	20-Oct-2023	Y	9	yyy,zzz,dddd,eeee,gggg	N		
DC	Ames	Maxim 200	10	VU	20-Oct-2008	20-Oct-2023	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Ames	Maxim 200	10	VU	20-Oct-2008	20-Oct-2023	Y	9	yyy,zzz,dddd,eeee,gggg	N		
DC	Ames	Maxim 200a	2 1/2	H	7-Oct-2002	7-Oct-2023	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200a	2 1/2	VU	7-Oct-2002	7-Oct-2023	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200a	3	H	7-Oct-2002	7-Oct-2023	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200a	3	VU	7-Oct-2002	7-Oct-2023	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200a	4	H	3-Jul-2003	3-Jul-2024	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200a	4	VU	3-Jul-2003	3-Jul-2024	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200N	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200N	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200N	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200N	3	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200N	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200N	4	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200N	6	VUVD	3-Jan-2013	3-Jan-2025	N	9	ppp,qqq,aaaa,bbbb	N		
DC	Ames	Maxim 200N	6	VUVD	3-Jan-2013	3-Jan-2025	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200N	8	VUVD	1-Sep-2009	1-Sep-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Ames	Maxim 200N	8	VUVD	1-Sep-2009	1-Sep-2024	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Ames	Maxim 200Na	2 1/2	VUVD	20-Mar-2003	20-Mar-2024	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200Na	3	VUVD	20-Mar-2003	20-Mar-2024	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		
DC	Ames	Maxim 200Na	4	VUVD	3-Jul-2003	3-Jul-2024	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,nnnnn	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Ames	U200B	1	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1 1/4	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1 1/4	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1 1/4	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1 1/2	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1 1/2	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	1 1/2	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	2	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	2	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200B	2	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200BR10	1/2	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200BR10	1/2	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200BR10	1/2	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200BR10	3/4	H	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200BR10	3/4	VD	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Ames	U200BR10	3/4	VU	21-Apr-2006	21-Apr-2024	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Apollo/Conbraco	1/2DC	1/2									
DC	Apollo/Conbraco	1/2DC	1/2									
DC	Apollo/Conbraco	10DC	10									
DC	Apollo/Conbraco	10DC	10									
DC	Apollo/Conbraco	2 1/2DC	2 1/2	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	2 1/2DC	2 1/2	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	2 1/2DC-7	2 1/2	H	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	2 1/2DC-7	2 1/2	VU	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	2 1/2DC8	2 1/2	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	2 1/2DC8	2 1/2	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	2 1/2DCU	2 1/2	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	2 1/2DCU	2 1/2	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	3DC	3	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	3DC	3	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	3DC7	3	H	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	3DC7	3	VU	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	3DC8	3	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	3DC8	3	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	3DCU	3	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	3DCU	3	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	40-100-02	3	H	8-Apr-1991	8-Apr-2024	N	8	tt,bb,ee,ll	Y		
DC	Apollo/Conbraco	40-100-03	3	H	8-Apr-1991	8-Apr-2024	N	8	uu,cc,mm	Y		
DC	Apollo/Conbraco	40-100-05	3	H	8-Dec-1998	8-Dec-2022	N	8	mmm	Y		
DC	Apollo/Conbraco	40-103-02	1/2	H	1-May-1995	1-May-2022	N	8	dd	Y		
DC	Apollo/Conbraco	40-104-02	3/4	H	17-Mar-1989	17-Mar-2025	N	8	dd	Y		
DC	Apollo/Conbraco	40-104-99T	3/4									
DC	Apollo/Conbraco	40-104-A2	3/4	H	21-Jun-1993	21-Jun-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-104-A2T	3/4	H	25-Mar-1992	25-Mar-2025	N	8	dd	Y		
DC	Apollo/Conbraco	40-104-T2	3/4									
DC	Apollo/Conbraco	40-104-TC2	3/4									
DC	Apollo/Conbraco	40-105-02	1	H	17-Mar-1989	17-Mar-2025	N	8	dd	Y		
DC	Apollo/Conbraco	40-105-99T	1									
DC	Apollo/Conbraco	40-105-A2	1	H	21-Jun-1993	21-Jun-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-105-A2T	1	H	25-Mar-1992	25-Mar-2025	N	8	dd	Y		
DC	Apollo/Conbraco	40-105-T2	1									
DC	Apollo/Conbraco	40-105-TC2	1									
DC	Apollo/Conbraco	40-106-02	1 1/4	H	6-Apr-1992	6-Apr-2022	N	8	dd	Y		
DC	Apollo/Conbraco	40-106-99T	1 1/4									
DC	Apollo/Conbraco	40-106-A2	1 1/4	H	21-Jun-1993	21-Jun-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-106-A2T	1 1/4	H	22-May-1993	22-May-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-106-T2	1 1/4									
DC	Apollo/Conbraco	40-107-02	1 1/2	H	17-Mar-1989	17-Mar-2025	N	8	dd	Y		
DC	Apollo/Conbraco	40-107-99T	1 1/2									
DC	Apollo/Conbraco	40-107-A2	1 1/2	H	22-May-1993	22-May-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-107-A2T	1 1/2	H	22-May-1993	22-May-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-107-T2	1 1/2									
DC	Apollo/Conbraco	40-108-02	2	H	17-Mar-1989	17-Mar-2025	N	8	dd	Y		
DC	Apollo/Conbraco	40-108-99T	2									
DC	Apollo/Conbraco	40-108-A2	2	H	22-May-1993	22-May-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-108-A2T	2	H	22-May-1993	22-May-2023	N	8	dd	Y		
DC	Apollo/Conbraco	40-108-T2	2									
DC	Apollo/Conbraco	40-109-02	2 1/2	H	8-Apr-1991	8-Apr-2024	N	8	tt,bb,ee,ll	Y		
DC	Apollo/Conbraco	40-109-03	2 1/2	H	8-Apr-1991	8-Apr-2024	N	8	uu,cc,mm	Y		
DC	Apollo/Conbraco	40-109-05	2 1/2	H	8-Dec-1998	8-Dec-2022	N	8	mmm	Y		
DC	Apollo/Conbraco	40-10A-02	4	H	8-Apr-1991	8-Apr-2024	N	8	tt,bb,ee,ll	Y		
DC	Apollo/Conbraco	40-10A-03	4	H	8-Apr-1991	8-Apr-2024	N	8	uu,cc,mm	Y		
DC	Apollo/Conbraco	40-10A-05	4	H	8-Dec-1998	8-Dec-2022	N	8	mmm	Y		
DC	Apollo/Conbraco	40-10A-06	4	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Apollo/Conbraco	40-10C-02	6	H	8-Apr-1991	8-Apr-2024	N	8	tt,bb,ee,ll	Y		
DC	Apollo/Conbraco	40-10C-03	6	H	8-Apr-1991	8-Apr-2024	N	8	uu,cc,mm	Y		
DC	Apollo/Conbraco	40-10C-05	6	H	8-Dec-1998	8-Dec-2022	N	8	mmm	Y		
DC	Apollo/Conbraco	40-10C-06	6	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y		
DC	Apollo/Conbraco	40-10E-02	8	H	22-Oct-1991	22-Oct-2024	N	8	tt,bb,ee,ll	Y		
DC	Apollo/Conbraco	40-10E-03	8	H	22-Oct-1991	22-Oct-2024	N	8	uu,cc,mm	Y		
DC	Apollo/Conbraco	40-10E-06	8	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y		
DC	Apollo/Conbraco	40-10G-02	10	H	13-Apr-1993	13-Apr-2023	N	8	tt,bb,ee,ll	Y		
DC	Apollo/Conbraco	40-10G-03	10	H	13-Apr-1993	13-Apr-2023	N	8	uu,cc,mm	Y		
DC	Apollo/Conbraco	40-10G-06	10	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y		
DC	Apollo/Conbraco	4D-100	2 1/2	H	11-Mar-2012	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100	2 1/2	VU	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100	3	H	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100	3	VU	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100	4	H	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100	4	VU	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100U	2 1/2	VUVD	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100U	3	VUVD	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4D-100U	4	VUVD	11-Mar-2009	11-Mar-2024	N	9	(yyy), cccc, dddd	Y		
DC	Apollo/Conbraco	4DC	4	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	4DC	4	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	4DC7	4	H	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	4DC7	4	VU	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	4DC8	4	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	4DC8	4	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	4DCU	4	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	4S103	1/2									
DC	Apollo/Conbraco	4S103	1/2									
DC	Apollo/Conbraco	4SG-100	2 1/2									
DC	Apollo/Conbraco	4SG-100	2 1/2									
DC	Apollo/Conbraco	4SG-100	3									
DC	Apollo/Conbraco	4SG-100	3									
DC	Apollo/Conbraco	4SG-100	4									
DC	Apollo/Conbraco	4SG-100	4									
DC	Apollo/Conbraco	4SG-100	6									
DC	Apollo/Conbraco	4SG-100	6									
DC	Apollo/Conbraco	4SG-100	6									
DC	Apollo/Conbraco	4SG-100	8									
DC	Apollo/Conbraco	4SG-100	8									
DC	Apollo/Conbraco	4SG-100U	2 1/2									
DC	Apollo/Conbraco	4SG-100U	3									
DC	Apollo/Conbraco	4SG-100U	4									
DC	Apollo/Conbraco	4SG-100U	6									
DC	Apollo/Conbraco	4SG-100U	8									
DC	Apollo/Conbraco	6DC	6	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	6DC	6	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	6DC7	6	H	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	6DC7	6	VU	23-Oct-2001	23-Oct-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y		
DC	Apollo/Conbraco	6DC8	6	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	6DC8	6	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	6DCU	6	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y		
DC	Apollo/Conbraco	8DC	8	H	16-Jan-2003	16-Jan-2024	N	9	(mm),ll	Y		
DC	Apollo/Conbraco	8DC	8	VU	16-Jan-2003	16-Jan-2024	N	9	(mm),ll	Y		
DC	Apollo/Conbraco	8DC8	8	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	8DC8	8	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y		
DC	Apollo/Conbraco	DC40	3/4	H	27-Jun-1996	27-Jun-2023	N	8	(dd)	Y		
DC	Apollo/Conbraco	DC40	1	H	27-Jun-1996	27-Jun-2023	N	8	(dd)	Y		
DC	Apollo/Conbraco	DC40	1 1/4	H	9-Oct-1996	9-Oct-2023	N	8	(dd)	Y		
DC	Apollo/Conbraco	DC40	1 1/2	H	9-Oct-1996	9-Oct-2023	N	8	(dd)	Y		
DC	Apollo/Conbraco	DC40	2	H	9-Oct-1996	9-Oct-2023	N	8	(dd)	Y		
DC	Apollo/Conbraco	DC4A	1/2	H	27-Apr-2011	27-Apr-2023	N	9	(iiiii),sssss	N		
DC	Apollo/Conbraco	DC4A	1/2	VU	27-Apr-2011	27-Apr-2023	N	9	(iiiii),sssss	N		
DC	Apollo/Conbraco	DC4A	3/4	H	27-Apr-2011	27-Apr-2023	N	9	(iiiii),sssss	N		
DC	Apollo/Conbraco	DC4A	3/4	VU	6-Apr-2011	6-Apr-2023	N	9	(iiiii),sssss	N		
DC	Apollo/Conbraco	DC4A	1	H	27-Sep-2011	27-Sep-2023	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4A	1	VU	6-Apr-2011	6-Apr-2023	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4A	1 1/4	H	7-Feb-2012	7-Feb-2024	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4A	1 1/4	VU	7-Feb-2012	7-Feb-2024	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4A	1 1/2	H	7-Feb-2012	7-Feb-2024	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4A	1 1/2	VU	7-Feb-2012	7-Feb-2024	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4A	2	H	7-Feb-2012	7-Feb-2024	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4A	2	VU	27-Mar-2012	27-Mar-2024	N	9	(iiiii),sssss,wwwww	N		
DC	Apollo/Conbraco	DC4AY	3/4	H	16-Jan-2019	16-Jan-2025	N	10	(sssss)	N		
DC	Apollo/Conbraco	DC4AY	3/4	VU	24-Oct-2018	24-Oct-2024	N	10	(sssss)	N		
DC	Apollo/Conbraco	DC4AY	1	H	16-Jan-2019	16-Jan-2025	N	10	(sssss)	N		
DC	Apollo/Conbraco	DC4AY	1	VU	24-Oct-2018	24-Oct-2024	N	10	(sssss)	N		
DC	Apollo/Conbraco	DC4S	1/2	H	18-Sep-2000	18-Sep-2024	N	9	(dd)	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Apollo/Conbraco	DC4S	1/2	VU	18-Sep-2000	18-Sep-2024	N	9	(dd)	Y		
DC	Apollo/Conbraco	DC4S	10	H	16-Jan-2003	16-Jan-2024	N	9	(mm),ll, xxxxx, zzzzz, bbbbbb, cccccc	N		
DC	Apollo/Conbraco	DC4S	10	VU	16-Jan-2003	16-Jan-2024	N	9	(mm),ll, xxxxx, zzzzz, bbbbbb, cccccc	N		
DC	Apollo/Conbraco	DC4SG	2 1/2	H	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	2 1/2	VU	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	3	H	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	3	VU	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	4	H	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	4	VU	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	6	H	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	6	VU	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	8	H	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DC4SG	8	VU	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DC4SGN	2 1/2	VUVD	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt	Y		
DC	Apollo/Conbraco	DC4SGN	3	VUVD	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt	Y		
DC	Apollo/Conbraco	DC4SGN	4	VUVD	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt	Y		
DC	Apollo/Conbraco	DC4SGN	6	VUVD	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt	Y		
DC	Apollo/Conbraco	DC4SGN	8	VUVD	25-Sep-2007	25-Sep-2022	N	9	(yyy)ppp,qqq,ttt	Y		
DC	Apollo/Conbraco	DCLF4A	1/2	H	27-Apr-2011	27-Apr-2023	Y	10	(jjjjj),ttttt, uuuuu	N		
DC	Apollo/Conbraco	DCLF4A	1/2	VU	27-Apr-2011	27-Apr-2023	Y	10	(jjjjj),ttttt, uuuuu	N		
DC	Apollo/Conbraco	DCLF4A	3/4	H	27-Apr-2011	27-Apr-2023	Y	9	(jjjjj),ttttt	N		
DC	Apollo/Conbraco	DCLF4A	3/4	VU	6-Apr-2011	6-Apr-2023	Y	9	(jjjjj),ttttt	N		
DC	Apollo/Conbraco	DCLF4A	1	H	27-Sep-2011	27-Sep-2023	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	1	VU	6-Apr-2011	6-Apr-2023	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	1 1/4	H	7-Feb-2012	7-Feb-2024	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	1 1/4	VU	7-Feb-2012	7-Feb-2024	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	1 1/2	H	7-Feb-2012	7-Feb-2024	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	1 1/2	VU	7-Feb-2012	7-Feb-2024	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	2	H	7-Feb-2012	7-Feb-2024	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	2	VU	27-Mar-2012	27-Mar-2024	Y	9	(jjjjj),ttttt,vvvvv	N		
DC	Apollo/Conbraco	DCLF4A	2 1/2	H	5-Nov-2013	5-Nov-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	2 1/2	VU	5-Nov-2013	5-Nov-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	3	H	5-Nov-2013	5-Nov-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	3	VU	5-Nov-2013	5-Nov-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	4	H	24-Jun-2013	24-Jun-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	4	VU	24-Jun-2013	24-Jun-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	6	H	24-Jun-2013	24-Jun-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	6	VU	24-Jun-2013	24-Jun-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	8	H	15-May-2014	15-May-2023	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	8	VU	15-May-2014	15-May-2023	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4A	10	H	5-Nov-2021	5-Nov-2024	Y	10	(zzzzz), yyy,zzz,cccc,dddd,kkkk,llll,mmmm,nnnn,xxxxx, yyyyy,aaaaaa	N		
DC	Apollo/Conbraco	DCLF4A	12	H	5-Nov-2021	5-Nov-2024	Y	10	(bbbbbb), ll,mm,cccccc	N		
DC	Apollo/Conbraco	DCLF4AN	2 1/2	VUVD	10-Jun-2014	10-Jun-2023	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4AN	3	VUVD	8-Apr-2014	8-Apr-2023	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4AN	4	VUVD	22-Nov-2013	22-Nov-2022	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4AN	6	VUVD	15-Apr-2014	15-Apr-2023	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4AN	8	VUVD	20-Feb-2014	20-Feb-2023	Y	10	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4AN	10	VUVD	5-Nov-2021	5-Nov-2024	Y	10	(zzzzz), yyy,zzz,cccc,dddd,kkkk,llll,mmmm,nnnn,xxxxx, yyyyy,aaaaaa	N		
DC	Apollo/Conbraco	DCLF4AN	12	VUVD	5-Nov-2021	5-Nov-2024	Y	10	(bbbbbb), ll,mm,cccccc	N		
DC	Apollo/Conbraco	DCLF4AR	2 1/2	H	9-Nov-2015	9-Nov-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	2 1/2	VU	9-Nov-2015	9-Nov-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	3	H	9-Nov-2015	9-Nov-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	3	VU	9-Nov-2015	9-Nov-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	4	H	21-Sep-2015	21-Sep-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	4	VU	21-Sep-2015	21-Sep-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	6	H	21-Sep-2015	21-Sep-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	6	VU	21-Sep-2015	21-Sep-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	8	H	21-Dec-2015	21-Dec-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	8	VU	21-Dec-2015	21-Dec-2024	Y	10	(cccc), dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AR	10	H	5-Nov-2021	5-Nov-2024	Y	10	(zzzzz), zzz,cccc,dddd,kkkk,llll,mmmm,nnnn,xxxxx, yyyyy,aaaaaa	Y		
DC	Apollo/Conbraco	DCLF4AY	3/4	H	16-Jan-2019	16-Jan-2025	Y	10	(ttttt)	N		
DC	Apollo/Conbraco	DCLF4AY	3/4	VU	24-Oct-2018	24-Oct-2024	Y	10	(ttttt)	N		
DC	Apollo/Conbraco	DCLF4AY	1	H	16-Jan-2019	16-Jan-2025	Y	10	(ttttt)	N		
DC	Apollo/Conbraco	DCLF4AY	1	VU	24-Oct-2018	24-Oct-2024	Y	10	(ttttt)	N		
DC	Apollo/Conbraco	DCLF4SG	2 1/2	H	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4SG	2 1/2	VU	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4SG	3	H	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4SG	3	VU	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4SG	4	H	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4SG	4	VU	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4SG	6	H	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	DCLF4SG	6	VU	23-Jan-2015	23-Jan-2024	Y	9	(yyy), cccc, dddd, mmmm, nnnn, xxxxx, yyyyy, zzzzz, aaaaaa, xxxxxx	N		
DC	Apollo/Conbraco	W432100	1/2	H	18-Oct-2007	18-Oct-2022	N	9	(dd)	N		
DC	Apollo/Conbraco	W432100	1/2	VU	18-Oct-2007	18-Oct-2022	N	9	(dd)	N		
DC	ARI	DC 500	1/2	H	3-Jan-2013	3-Jan-2025	N	9	(ooooo), ii, ooo,ffffff	N		
DC	ARI	DC 500	1/2	H	18-Feb-2014	18-Feb-2023	Y	9	(ooooo),ffffff	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	ARI	DC 500	3/4	H	2-Mar-2007	2-Mar-2025	N	9	(ii),ooo, ooooo, ffffff	N		
DC	ARI	DC 500	3/4	H	18-Feb-2014	18-Feb-2023	Y	9	(ooooo), ffffff	N		
DC	ARI	DC 500	1	H	2-Mar-2007	2-Mar-2025	N	9	(ii),ooo, ooooo, ffffff	N		
DC	ARI	DC 500	1	H	18-Feb-2014	18-Feb-2023	Y	9	(ooooo), ffffff	N		
DC	ARI	DC 500	1 1/4	H	8-Jan-2014	8-Jan-2023	Y	10	(ooooo), ffffff	N		
DC	ARI	DC 500	1 1/2	H	8-Jan-2014	8-Jan-2023	Y	10	(ooooo), ffffff	N		
DC	ARI	DC 500	2	H	8-Jan-2014	8-Jan-2023	Y	10	(ooooo), ffffff	N		
DC	ARI	DC 501	1/2	H	6-Sep-2018	6-Sep-2024	Y	10	(int)	N		
DC	ARI	DC 501	3/4	H	20-Mar-2017	20-Mar-2023	Y	10	(int)	N		
DC	ARI	DC 501	1	H	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	ARI	DC 501	1 1/4	H	20-Mar-2017	20-Mar-2023	Y	10	(int)	N		
DC	ARI	DC 501	1 1/2	H	20-Mar-2017	20-Mar-2023	Y	10	(int)	N		
DC	ARI	DC 501	2	H	20-Mar-2017	20-Mar-2023	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	2 1/2	H	21-Dec-2015	21-Dec-2024	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	2 1/2	VU	21-Dec-2015	21-Dec-2024	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	3	H	21-Dec-2015	21-Dec-2024	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	3	VU	21-Dec-2015	21-Dec-2024	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	4	H	30-Sep-2015	30-Sep-2024	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	4	VU	30-Sep-2015	30-Sep-2024	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	6	H	30-Oct-2019	30-Oct-2022	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	6	VU	30-Oct-2019	30-Oct-2022	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	8	H	23-Dec-2016	23-Dec-2022	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20	8	VU	23-Dec-2016	23-Dec-2022	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20G	2 1/2	H	7-Dec-2018	7-Dec-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	2 1/2	VU	7-Dec-2018	7-Dec-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	3	H	7-Dec-2018	7-Dec-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	3	VU	7-Dec-2018	7-Dec-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	4	H	7-Dec-2018	7-Dec-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	4	VU	7-Dec-2018	7-Dec-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	6	H	16-Jan-2020	16-Jan-2023	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	6	VU	16-Jan-2020	16-Jan-2023	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	8	H	31-Jul-2018	31-Jul-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20G	8	VU	31-Jul-2018	31-Jul-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20GX	4	H	16-Jan-2020	16-Jan-2023	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20GX	4	VU	16-Jan-2020	16-Jan-2023	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20GX	6	H	31-Jul-2018	31-Jul-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20GX	6	VU	31-Jul-2018	31-Jul-2024	Y	10	(ssssss), tttttt	N		
DC	Backflow Direct	Deringer 20X	4	H	30-Oct-2019	30-Oct-2022	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20X	4	VU	30-Oct-2019	30-Oct-2022	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20X	6	H	23-Dec-2016	23-Dec-2022	Y	10	(int)	N		
DC	Backflow Direct	Deringer 20X	6	VU	23-Dec-2016	23-Dec-2022	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	2 1/2	H	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	2 1/2	VU	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	3	H	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	3	VU	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	4	H	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	4	VU	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	8	H	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20	8	VU	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20G	2 1/2	H	7-Dec-2018	7-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	2 1/2	VU	7-Dec-2018	7-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	3	H	7-Dec-2018	7-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	3	VU	7-Dec-2018	7-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	4	H	7-Dec-2018	7-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	4	VU	7-Dec-2018	7-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	8	H	31-Jul-2018	31-Jul-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	8	VU	31-Jul-2018	31-Jul-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	6	H	16-Jan-2020	16-Jan-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20G	6	VU	16-Jan-2020	16-Jan-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20GX	6	H	31-Jul-2018	31-Jul-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20GX	6	VU	31-Jul-2018	31-Jul-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	Backflow Direct	Magnum 20X	6	H	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	Backflow Direct	Magnum 20X	6	VU	15-Mar-2018	15-Mar-2024	Y	10	(int)	N		
DC	BEECO	Barracuda 20	2 1/2	H	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	2 1/2	VU	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	3	H	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	3	VU	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	4	H	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	4	VU	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	6	H	26-Jul-2021	26-Jul-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	6	VU	26-Jul-2021	26-Jul-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20	8	H	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	BEECO	Barracuda 20	8	VU	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr	N		
DC	BEECO	Barracuda 20X	6	H	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	Barracuda 20X	6	VU	18-Dec-2018	18-Dec-2024	Y	10	(qqqqqq), rrrrrr, vvvvvv, wwwwww	N		
DC	BEECO	FDC	1/2	H	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	BEECO	FDC	1/2	VU	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		
DC	BEECO	FDC	3/4	H	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		
DC	BEECO	FDC	3/4	VU	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		
DC	BEECO	FDC	1	H	11-Oct-2022		Y	10	(yyyyyy)	N		
DC	BEECO	FDC	1	VU	11-Oct-2022		Y	10	(yyyyyy)	N		
DC	BEECO	FDC	1 1/4	H	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		
DC	BEECO	FDC	1 1/4	VU	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		
DC	BEECO	FDC	1 1/2	H	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		
DC	BEECO	FDC	1 1/2	VU	21-Jan-2022	21-Jan-2025	Y	10	(yyyyyy)	N		
DC	BEECO	FDC	2	H	11-Oct-2022		Y	10	(yyyyyy)	N		
DC	BEECO	FDC	2	VU	11-Oct-2022		Y	10	(yyyyyy)	N		
DC	BEECO	FDC	2 1/2	H	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	2 1/2	VU	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	3	H	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	3	VU	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	4	H	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	4	VU	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	6	H	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	6	VU	18-Dec-2018	18-Dec-2024	Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	8	H	28-Feb-2024		Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	8	VU	28-Feb-2024		Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	10	H	28-Feb-2024		Y	10	(vvvvvv), wwwwww	N		
DC	BEECO	FDC	10	VU	28-Feb-2024		Y	10	(vvvvvv), wwwwww	N		
DC	Cla-Val	D4	8	H	22-Jun-1989	22-Jun-2022	N	8	(gg),hh,qq,rr	Y		
DC	Cla-Val	D4	10	H	22-Jun-1989	22-Jun-2022	N	8	(gg),hh,qq,rr	Y		
DC	Conbraco						N					
DC	Febco	850	1/2	H	21-Nov-1997	21-Nov-2024	N	9	(fff),ooo	N		
DC	Febco	850	1/2	VD	13-Apr-2000	13-Apr-2024	N	9	(fff),ooo	N		
DC	Febco	850	1/2	VU	17-Dec-1999	17-Dec-2023	N	9	(fff),ooo	N		
DC	Febco	850	3/4	H	21-Nov-1997	21-Nov-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	3/4	VD	10-Apr-2000	10-Apr-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	3/4	VU	17-Dec-1999	17-Dec-2023	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1	H	21-Nov-1997	21-Nov-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1	VD	14-Jan-2000	14-Jan-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1	VU	7-Sep-2000	7-Sep-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1 1/4	H	21-Nov-1997	21-Nov-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1 1/4	VD	13-Apr-2000	13-Apr-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1 1/4	VU	17-Jul-1999	17-Jul-2023	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1 1/2	H	19-Feb-1998	19-Feb-2025	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1 1/2	VD	13-Apr-2000	13-Apr-2024	N	9	(fff),jjj,ooo	N		
DC	Febco	850	1 1/2	VU	17-Jul-1999	17-Jul-2023	N	9	(fff),jjj,ooo	N		
DC	Febco	850	2	H	19-Feb-1998	19-Feb-2025	N	9	(fff),ooo	N		
DC	Febco	850	2	VD	10-Apr-2000	10-Apr-2024	N	9	(fff),ooo	N		
DC	Febco	850	2	VU	17-Jul-1999	17-Jul-2023	N	9	(fff),ooo	N		
DC	Febco	850	2 1/2	H	14-Mar-1997	14-Mar-2024	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	2 1/2	VU	19-Mar-1997	19-Mar-2024	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	3	H	14-Mar-1997	14-Mar-2024	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	3	VU	19-Mar-1997	19-Mar-2024	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	4	H	4-May-1994	4-May-2024	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,nnn,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	4	VU	7-Feb-1995	7-Feb-2025	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,nnn,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	6	H	4-May-1994	4-May-2024	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,nnn,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	6	VU	31-May-1995	31-May-2022	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,nnn,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	8	H	4-Oct-1995	4-Oct-2022	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,nnn,zzz,cccc,ffff,gggg	Y		
DC	Febco	850	8	VU	14-Oct-1996	14-Oct-2023	N	8	(ee),ff,ll,mm,oo,pp,tt,uu,nnn,zzz,cccc,ffff,gggg	Y		
DC	Febco	857	2 1/2	H	1-Aug-2006	1-Aug-2024	N	8	(oo), gg, hh,ll, mm, pp, tt, uu, yy, fff	Y		
DC	Febco	857	2 1/2	VU	1-Aug-2006	1-Aug-2024	N	8	(oo), gg, hh,ll, mm, pp, tt, uu, yy, fff	Y		
DC	Febco	857	3	H	1-Aug-2006	1-Aug-2024	N	8	(oo), gg, hh,ll, mm, pp, tt, uu, yy, fff	Y		
DC	Febco	857	3	VU	1-Aug-2006	1-Aug-2024	N	8	(oo), gg, hh,ll, mm, pp, tt, uu, yy, fff	Y		
DC	Febco	870	2 1/2	VUVD	10-Mar-1995	10-Mar-2025	N	8	ee,ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	870	3	VUVD	10-Mar-1995	10-Mar-2025	N	8	ee,ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	870	4	VUVD	4-May-1994	4-May-2024	N	8	ee,ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	870	6	VUVD	4-May-1994	4-May-2024	N	8	ee,ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	870	8	VUVD	24-May-1994	24-May-2024	N	8	ee,ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	870	10	VUVD	4-Oct-1996	4-Oct-2023	N	8	ee,ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	805 Type YD	2 1/2									
DC	Febco	805 Type YD	3									
DC	Febco	805 Type YD	4									
DC	Febco	805 Type YD	6									
DC	Febco	805 Type YD	8									
DC	Febco	805 Type YD	10									
DC	Febco	805Y	3/4	H	13-May-1982	13-May-2024	N	6	ii,fff,jjj,ooo	Y		
DC	Febco	805Y	1	H	13-May-1982	13-May-2024	N	6	ii,fff,jjj,ooo	Y		
DC	Febco	805Y	1 1/2	H	5-Jan-1983	5-Jan-2025	N	6	ii,fff,jjj,ooo	Y		
DC	Febco	805Y	2	H	5-Jan-1983	5-Jan-2025	N	6	ii,fff,ooo	Y		
DC	Febco	805YB	3/4	H	4-May-1994	4-May-2024	N	8	(ii),fff,jjj,ooo	N		
DC	Febco	805YB	3/4	VU	16-Apr-1996	16-Apr-2023	N	8	(ii),fff,jjj,ooo	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Febco	805YD	2 1/2	H	31-May-1987	31-May-2023	N	7	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	805YD	3	H	31-May-1987	31-May-2023	N	7	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	805YD	4	H	31-May-1987	31-May-2023	N	7	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	805YD	6	H	31-May-1987	31-May-2023	N	7	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	805YD	8	H	31-May-1987	31-May-2023	N	7	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	805YD	10	H	31-May-1987	31-May-2023	N	7	(ee),ff,ll,mm,oo,pp,tt,uu,zzz,ffff,gggg	Y		
DC	Febco	805YR	3/4	H	22-Jan-1993	22-Jan-2023	N	8	ii,fff,jjj,ooo	Y		
DC	Febco	805YR	1	H	22-Jan-1993	22-Jan-2023	N	8	ii,fff,jjj,ooo	Y		
DC	Febco	850F	3/4	H	28-Sep-2001	28-Sep-2022	N	9	fff,jjj	Y		
DC	Febco	850F	3/4	VD	28-Sep-2001	28-Sep-2022	N	9	(fff),jjj	N		
DC	Febco	850F	3/4	VU	28-Sep-2001	28-Sep-2022	N	9	(fff),jjj	N		
DC	Febco	850U	1/2	H	12-Oct-1998	12-Oct-2022	N	9	(kkk)	N		
DC	Febco	850U	1/2	VD	16-Oct-2000	16-Oct-2024	N	9	(kkk)	N		
DC	Febco	850U	1/2	VU	17-Dec-1999	17-Dec-2023	N	9	(kkk)	N		
DC	Febco	850U	3/4	H	8-Mar-1999	8-Mar-2023	N	9	(kkk)	N		
DC	Febco	850U	3/4	VD	16-Oct-2000	16-Oct-2024	N	9	(kkk)	N		
DC	Febco	850U	3/4	VU	17-Dec-1999	17-Dec-2023	N	9	(kkk)	N		
DC	Febco	850U	1	H	4-Aug-1999	4-Aug-2023	N	9	(kkk)	N		
DC	Febco	850U	1	VD	14-Jan-2000	14-Jan-2024	N	9	(kkk)	N		
DC	Febco	850U	1	VU	16-Oct-2000	16-Oct-2024	N	9	(kkk)	N		
DC	Febco	850U	1 1/4	H	12-Oct-1998	12-Oct-2022	N	9	(kkk)	N		
DC	Febco	850U	1 1/4	VD	16-Oct-2000	16-Oct-2024	N	9	(kkk)	N		
DC	Febco	850U	1 1/4	VU	4-Aug-1999	4-Aug-2023	N	9	(kkk)	N		
DC	Febco	850U	1 1/2	H	12-Oct-1998	12-Oct-2022	N	9	(kkk)	N		
DC	Febco	850U	1 1/2	VD	16-Oct-2000	16-Oct-2024	N	9	(kkk)	N		
DC	Febco	850U	1 1/2	VU	4-Aug-1999	4-Aug-2023	N	9	(kkk)	N		
DC	Febco	850U	2	H	12-Oct-1998	12-Oct-2022	N	9	(kkk)	N		
DC	Febco	850U	2	VD	16-Oct-2000	16-Oct-2024	N	9	(kkk)	N		
DC	Febco	850U	2	VU	4-Aug-1999	4-Aug-2023	N	9	(kkk)	N		
DC	Febco	870V	2 1/2	VUVD	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	2 1/2	VUVU	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	3	VUVD	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	3	VUVU	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	4	VUVD	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	4	VUVU	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	6	VUVD	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	6	VUVU	8-Mar-1996	8-Mar-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	8	VUVD	6-Jan-1997	6-Jan-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	8	VUVU	6-Jan-1997	6-Jan-2023	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,ffff,gggg	Y		
DC	Febco	870V	10	VUVD	11-Jul-1997	11-Jul-2024	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	Y		
DC	Febco	870V	10	VUVU	11-Jul-1997	11-Jul-2024	N	8	(ee),ff,ll,mm,oo.pp,tt,uu,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	Y		
DC	Febco	LF850	1/2	H	18-Feb-2010	18-Feb-2025	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1/2	VD	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1/2	VU	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	3/4	H	18-Feb-2010	18-Feb-2025	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	3/4	VD	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	3/4	VU	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1	H	18-Feb-2010	18-Feb-2025	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1	VD	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1	VU	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1 1/4	H	18-Feb-2010	18-Feb-2025	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1 1/4	VD	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1 1/4	VU	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1 1/2	H	18-Feb-2010	18-Feb-2025	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1 1/2	VD	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	1 1/2	VU	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	2	H	18-Feb-2010	18-Feb-2025	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	2	VD	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	2	VU	31-Jul-2019	31-Jul-2022	Y	9	(qqqqq), hhhh	N		
DC	Febco	LF850	2 1/2	H	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	2 1/2	VU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	3	H	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	3	VU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	4	H	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	4	VU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	6	H	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	6	VU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	8	H	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	8	VU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF850	10	H	24-Jun-2013	24-Jun-2022	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Febco	LF850	10	VU	24-Jun-2013	24-Jun-2022	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Febco	LF850U	1/2	H	3-Sep-2013	3-Sep-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1/2	VD	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1/2	VU	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	3/4	H	3-Sep-2013	3-Sep-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	3/4	VD	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Febco	LF850U	3/4	VU	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1	H	3-Sep-2013	3-Sep-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1	VD	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1	VU	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1 1/4	H	3-Sep-2013	3-Sep-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1 1/4	VD	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1 1/4	VU	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1 1/2	H	3-Sep-2013	3-Sep-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1 1/2	VD	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	1 1/2	VU	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	2	H	3-Sep-2013	3-Sep-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	2	VD	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF850U	2	VU	31-Jul-2019	31-Jul-2022	Y	9	(ppppp), hhhh	N		
DC	Febco	LF870V	2 1/2	VUVD	9-Aug-2012	9-Aug-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	2 1/2	VUVU	9-Aug-2012	9-Aug-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	3	VUVD	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	3	VUVU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	4	VUVD	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	4	VUVU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	6	VUVD	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	6	VUVU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	8	VUVD	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	8	VUVU	22-May-2012	22-May-2024	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870V	10	VUVD	29-May-2018	29-May-2024	Y	10	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Febco	LF870V	10	VUVU	29-May-2018	29-May-2024	Y	10	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Febco	LF870W	4	VUVD	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870W	4	VUVU	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870W	6	VUVD	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870W	6	VUVU	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870W	8	VUVD	15-May-2020	15-May-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870W	8	VUVU	15-May-2020	15-May-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870W	10	VUVD	15-May-2020	15-May-2023	Y	10	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Febco	LF870W	10	VUVU	15-May-2020	15-May-2023	Y	10	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Febco	LF870WZ	4	VUVD	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	4	VUVU	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	4	VUVD	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	4	VUVU	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	6	VUVD	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	6	VUVU	26-Mar-2020	26-Mar-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	8	VUVD	15-May-2020	15-May-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	8	VUVU	15-May-2020	15-May-2023	Y	9	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Febco	LF870WZ	10	VUVD	15-May-2020	15-May-2023	Y	10	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Febco	LF870WZ	10	VUVU	15-May-2020	15-May-2023	Y	10	(mm),ll,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Neptune						N					
DC	Watts	700	2 1/2	H	10-Jan-1981	10-Jan-2023	N	5		Y		
DC	Watts	700	3	H	10-Jan-1981	10-Jan-2023	N	5		Y		
DC	Watts	709	2 1/2	H	12-Jun-1986	12-Jun-2022	N	7	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,ffff,gggg	Y		
DC	Watts	709	3	H	12-Jun-1986	12-Jun-2022	N	7	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	4	H	15-Jan-1982	15-Jan-2024	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	4	VU	11-Mar-1996	11-Mar-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	6	H	18-May-1982	18-May-2024	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	6	VU	5-Dec-1996	5-Dec-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	8	H	6-Jul-1981	6-Jul-2023	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	8	VU	5-Dec-1996	5-Dec-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	10	H	16-Mar-1983	16-Mar-2025	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	709	10	VU	5-Dec-1996	5-Dec-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,ww,yy,eee,ffff,gggg	Y		
DC	Watts	757	2 1/2	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	2 1/2	H	29-Sep-2004	29-Sep-2022	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	2 1/2	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	2 1/2	VU	29-Sep-2004	29-Sep-2022	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	3	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	3	H	29-Sep-2004	29-Sep-2022	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	3	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	3	VU	29-Sep-2004	29-Sep-2022	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	4	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	4	H	29-Sep-2004	29-Sep-2022	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	4	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	4	VU	29-Sep-2004	29-Sep-2022	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	6	H	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	6	H	21-Apr-2006	21-Apr-2024	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	6	VU	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	6	VU	21-Apr-2006	21-Apr-2024	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	8	H	16-Sep-2004	16-Sep-2022	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	8	H	16-Sep-2004	16-Sep-2022	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	8	VU	10-Feb-2006	10-Feb-2024	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	8	VU	10-Feb-2006	10-Feb-2024	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	757	10	H	2-May-2008	2-May-2023	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	10	H	2-May-2008	2-May-2023	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Watts	757	10	VU	2-May-2008	2-May-2023	N	9	(ppp),qqq,aaaa,bbbb	N		
DC	Watts	757	10	VU	2-May-2008	2-May-2023	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	2 1/2	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	2 1/2	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	3	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	3	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	4	H	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	4	VU	21-Apr-2006	21-Apr-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	6	H	16-Sep-2004	16-Sep-2022	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	6	VU	10-Feb-2006	10-Feb-2024	N	9	(yyy),ppp,qqq,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767	8	H	2-May-2008	2-May-2023	N	9	(yyy), ppp, qqq,zzz, aaaa, bbbb, dddd, eeee, ffff, gggg,nnnnn	N		
DC	Watts	767	8	VU	2-May-2008	2-May-2023	N	9	(yyy), ppp, qqq,zzz, aaaa, bbbb, dddd, eeee, ffff, gggg,nnnnn	N		
DC	Watts	767	10	H	20-Oct-2008	20-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg	N		
DC	Watts	767	10	VU	20-Oct-2008	20-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg	N		
DC	Watts	770	8	H	13-Jan-1993	13-Jan-2023	N	8	oo,gg,hh,ll,mm,pp,tt,uu,yy	Y		
DC	Watts	772	4	H	1-Jul-1992	1-Jul-2022	N	8	oo,yy	Y		
DC	Watts	772	10	H	13-Jan-1993	13-Jan-2023	N	8	oo,yy	Y		
DC	Watts	774	8	H	16-Sep-1996	16-Sep-2023	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Watts	774	8	H	16-Sep-1996	16-Sep-2023	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Watts	774	10	H	16-Feb-2001	16-Feb-2025	Y	8	(ll),mm,ffff,gggg	N		
DC	Watts	774	12	H	12-Jan-2010	12-Jan-2025	N	9	hh,gg	N		
DC	Watts	774	12	H	12-Jan-2010	12-Jan-2025	Y	9	(ll),mm	N		
DC	Watts	774	12	VU	21-Mar-2011	21-Mar-2023	N	9	pp,	N		
DC	Watts	774	12	VU	21-Mar-2011	21-Mar-2023	Y	9	(ll),mm,oo	N		
DC	Watts	007	2 1/2	H	30-Sep-1990	30-Sep-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,yy,ffff,gggg	Y		
DC	Watts	007	2 1/2	VU	27-Aug-1996	27-Aug-2023	Y	8	(oo),gg,hh,ll,mm,pp,tt,uu,yy,ffff,gggg	Y		
DC	Watts	007	3	H	30-Sep-1990	30-Sep-2023	N	8	(oo),gg,hh,ll,mm,pp,tt,uu,yy,eee,ffff,gggg	Y		
DC	Watts	007	3	VU	27-Aug-1996	27-Aug-2023	Y	8	(oo),gg,hh,ll,mm,pp,tt,uu,yy,eee,ffff,gggg	Y		
DC	Watts	007M1-FP	1	H	1-Sep-2009	1-Sep-2024	Y	9	(eeeee)	N		
DC	Watts	007M1-FP	2	H	1-Sep-2009	1-Sep-2024	Y	9	(eeeee)	N		
DC	Watts	007M1PCQT	3/4	H	10-Dec-1993	10-Dec-2023	Y	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M1PCQT	1	H	10-Dec-1993	10-Dec-2023	Y	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M1PCQT	1 1/2	H	27-Sep-1994	27-Sep-2024	Y	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007M1PCQT	2	H	27-Sep-1994	27-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M1QT	3/4	H	26-Feb-1991	26-Feb-2024	N	8	vv,xx,ooo,hhhh,pppp	N		
DC	Watts	007M1QT	1	H	26-Feb-1991	26-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M1QT	1	H	18-May-1998	18-May-2022	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M1QT	1	VU	18-May-1998	18-May-2022	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M1QT	1 1/2	H	30-Jun-1992	30-Jun-2022	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007M1QT	2	H	30-Jun-1992	30-Jun-2022	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M1QT	2	VU	8-Mar-1996	8-Mar-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2-FP	1 1/4	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee)	N		
DC	Watts	007M2-FP	1 1/2	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee)	N		
DC	Watts	007M2PCQT	1 1/4	H	9-Dec-1996	9-Dec-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2PCQT	1 1/4	VU	9-Dec-1996	9-Dec-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2PCQT	1 1/2	H	12-Sep-1994	12-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2QT	3/4	H	5-Apr-1993	5-Apr-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2QT	3/4	VU	27-Aug-1996	27-Aug-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2QT	1 1/4	H	1-Oct-1996	1-Oct-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2QT	1 1/4	VU	1-Oct-1996	1-Oct-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2QT	1 1/2	H	24-May-1994	24-May-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M2QT	1 1/2	VU	11-Mar-1996	11-Mar-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M3-FP	3/4	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee)	N		
DC	Watts	007M3QT	3/4	H	18-Oct-1999	18-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007M3QT	3/4	VU	18-Oct-1999	18-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007PCQT	1/2	H	17-Feb-1995	17-Feb-2025	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	007PCQT	1 1/2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007PCQT	2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007QT	1/2	H	6-Dec-1993	8-Dec-2023	N	8	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	007QT	1/2	H	16-Jun-1997	16-Jun-2024	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	007QT	1/2	VU	19-Apr-1996	19-Apr-2023	N	8	pppp,rrrrr	N		
DC	Watts	007QT	1/2	VU	16-Jun-1997	16-Jun-2024	N	9	(vv),xx,pppp,rrrrr	N		
DC	Watts	007QT	3/4	H	11-Jan-1988	11-Jan-2024	N	7	pppp,rrrrr	Y		
DC	Watts	007QT	1	H	11-Jan-1988	11-Jan-2024	N	7	pppp,rrrrr	Y		
DC	Watts	007QT	1 1/2	H	21-Jul-1988	21-Jul-2024	N	7	pppp,rrrrr	Y		
DC	Watts	007QT	2	H	21-Jul-1988	21-Jul-2024	N	7	pppp,rrrrr	Y		
DC	Watts	007SSM1PCQT	3/4	H	10-Dec-1993	10-Dec-2023	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007SSM1PCQT	1	H	10-Dec-1993	10-Dec-2023	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007SSM1QT	3/4	H	26-Feb-1991	26-Feb-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007SSM1QT	1	H	26-Feb-1991	26-Feb-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007SSPCQT	1 1/2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007SSPCQT	2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	007SSQT	3/4	H	11-Jan-1988	11-Jan-2024	N	7	pppp	Y		
DC	Watts	007SSQT	1	H	11-Jan-1988	11-Jan-2024	N	7	pppp	Y		
DC	Watts	007SSQT	1 1/2	H	21-Jul-1988	21-Jul-2024	N	7	pppp	Y		
DC	Watts	007SSQT	2	H	21-Jul-1988	21-Jul-2024	N	7	pppp	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Watts	709BB	2 1/2	H	20-Jul-1982	20-Jul-2024	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,yy,ffff,gggg	Y		
DC	Watts	709BB	3	H	20-Jul-1982	20-Jul-2024	N	6	(oo),gg,hh,ll,mm,pp,tt,uu,yy,ffff,gggg	Y		
DC	Watts	709QT	3/4	H	4-Aug-1982	4-Aug-2024	N	6	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	709QT	1	H	4-Aug-1982	4-Aug-2024	N	6	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	709QT	1 1/2	H	27-Apr-1982	21-Apr-2024	N	6	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	709QT	2	H	27-Apr-1982	21-Apr-2024	N	6	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	719AQT	1/2	VUVD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719AQT	1	VUVD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719AQT	1 1/4	VUVD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719AQT	1 1/2	VUVD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719AQT	2	VUVD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719AQTR10	1/2	VUVD	3-Jul-2013	3-Jul-2022	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Watts	719AQTR10	3/4	VUVD	3-Jul-2013	3-Jul-2022	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Watts	719QT	1/2	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1/2	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	3/4	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	3/4	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	3/4	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1 1/4	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1 1/4	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1 1/4	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1 1/2	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1 1/2	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	1 1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	2	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	2	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QT	2	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	N		
DC	Watts	719QTR10	1/2	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrrr	Y		
DC	Watts	719QTR10	1/2	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrrr	Y		
DC	Watts	719QTR10	1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrrr	Y		
DC	Watts	719QTR10	3/4	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrrr	Y		
DC	Watts	719QTR10	3/4	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrrr	Y		
DC	Watts	719QTR10	3/4	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrrr	Y		
DC	Watts	757a	2 1/2	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757a	2 1/2	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757a	3	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757a	3	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757a	4	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757a	4	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757a	6	H	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757a	6	VU	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757N	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Watts	757N	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Watts	757N	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Watts	757N	3	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Watts	757N	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Watts	757N	4	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Watts	757N	6	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,nnnnn	N		
DC	Watts	757N	6	VUVD	7-Apr-2009	7-Apr-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Watts	757N	8	VUVD	3-Jan-2013	3-Jan-2025	N	9	ppp,qqq,aaaa,bbbb	N		
DC	Watts	757N	8	VUVD	3-Jan-2013	3-Jan-2025	Y	9	yyy, zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Watts	757N	10	VUVD	1-Sep-2009	1-Sep-2024	N	9	(ppp),qqq	N		
DC	Watts	757N	10	VUVD	1-Sep-2009	1-Sep-2024	Y	9	yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Watts	757Na	2 1/2	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757Na	3	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757Na	4	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757Na	6	VUVD	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	757NQT	2 1/2	VUVD	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757NQT	3	VUVD	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757NQT	4	VUVD	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757QT	2 1/2	H	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757QT	2 1/2	VU	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757QT	3	H	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757QT	3	VU	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757QT	4	H	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	757QT	4	VU	4-Dec-2009	4-Dec-2024	Y	9	fffff	N		
DC	Watts	767a	2 1/2	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	767a	2 1/2	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	767a	3	H	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	767a	3	VU	7-Oct-2002	7-Oct-2023	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	767a	4	H	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	767a	4	VU	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Watts	767N	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767N	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767N	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(ppp),qqq,yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767N	6	VUVD	3-Jan-2013	3-Jan-2025	N	9	ppp,qqq,aaaa,bbbb	N		
DC	Watts	767N	6	VUVD	3-Jan-2013	3-Jan-2025	Y	9	yyy,zzz,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn	N		
DC	Watts	767N	8	VUVD	1-Sep-2009	1-Sep-2024	N	9	(ppp),qqq,yyy,zzz,dddd,eeee,dddd,gggg,kkkk,llll,mmmm,nnnn,nnnnn	N		
DC	Watts	767Na	2 1/2	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	767Na	3	VUVD	20-Mar-2003	20-Mar-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	767Na	4	VUVD	3-Jul-2003	3-Jul-2024	N	9	(ppp),qqq,yyy,zzz,aaaa,bbbb,dddd,eeee,gggg,kkkk,llll,mmmm,nnnn,nnnnn	Y		
DC	Watts	770	4	H	20-May-1992	20-May-2022	N	8	oo,gg,hh,ll,mm,pp,tt,uu,yy	Y		
DC	Watts	770QTFDA	4	H	12-Jan-1993	12-Jan-2023	N	8	ww	Y		
DC	Watts	770QTFDA	8	H	12-Jan-1993	12-Jan-2023	N	8	ww	Y		
DC	Watts	774	2 1/2	H	11-Jul-1991	11-Jul-2024	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Watts	774	2 1/2	H	11-Jul-1991	11-Jul-2024	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Watts	774	3	H	11-Jul-1991	11-Jul-2024	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Watts	774	3	H	11-Jul-1991	11-Jul-2024	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Watts	774	4	H	11-Jul-1991	11-Jul-2024	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Watts	774	4	H	11-Jul-1991	11-Jul-2024	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Watts	774	6	H	9-Sep-1992	9-Sep-2022	N	8	(tt),ee,ff,gg,hh,pp,uu,ccc,ddd	N		
DC	Watts	774	6	H	9-Sep-1992	9-Sep-2022	Y	8	ll,mm,oo,ffff,gggg	N		
DC	Watts	774X	2 1/2	H	10-Sep-1996	10-Sep-2023	N	8	(mm),ee,ff,gg,hh,ll,oo,pp,tt,uu,ccc,ddd,ffff,gggg	Y		
DC	Watts	774X	6	H	22-Nov-1993	22-Nov-2023	N	8	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Watts	774X	8	H	9-Sep-1992	9-Sep-2022	N	8	tt,ee,ff,gg,hh,ll,mm,oo,pp,uu,ccc,ddd,ffff,gggg	Y		
DC	Watts	775QT	1/2	H	1-Feb-2000	1-Feb-2024	N	9	int	Y		
DC	Watts	775QT	1/2	VU	1-Feb-2000	1-Feb-2024	N	9	int	Y		
DC	Watts	775QT	3/4	H	1-Feb-2000	1-Feb-2024	N	9	int	Y		
DC	Watts	775QT	3/4	VU	1-Feb-2000	1-Feb-2024	N	9	int	Y		
DC	Watts	775QT	1	H	12-Aug-1999	12-Aug-2023	N	9	int	Y		
DC	Watts	775QT	1	VU	12-Aug-1999	12-Aug-2023	N	9	int	Y		
DC	Watts	775QT	1 1/4	H	7-Sep-2000	7-Sep-2024	N	9	int	Y		
DC	Watts	775QT	1 1/4	VU	7-Sep-2000	7-Sep-2024	N	9	int	Y		
DC	Watts	775QT	1 1/2	H	7-Sep-2000	7-Sep-2024	N	9	int	Y		
DC	Watts	775QT	1 1/2	VU	7-Sep-2000	7-Sep-2024	N	9	int	Y		
DC	Watts	775QT	2	H	28-Mar-2002	28-Mar-2023	N	9	int	Y		
DC	Watts	775QT	2	VU	28-Mar-2002	28-Mar-2023	N	9	int	Y		
DC	Watts	775QT	2	VU	28-Mar-2002	28-Mar-2023	N	9	int	Y		
DC	Watts	LF007	2 1/2	H	12-Jan-2010	12-Jan-2025	Y	9	(oo)	N		
DC	Watts	LF007	3	H	12-Jan-2010	12-Jan-2025	Y	9	(oo)	N		
DC	Watts	LF007IOT	2 1/2	H	8-Dec-2022		Y	9	(oo)	N		
DC	Watts	LF007IOT	3	H	8-Dec-2022		Y	9	(oo)	N		
DC	Watts	LF007IOTQT	1/2	H	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007IOTQT	1/2	VU	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1IOTQT	1	H	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1IOTQT	1	VU	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1IOTQT	2	H	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1IOTQT	2	VU	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1PCQT	1	H	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1PCQT	1	VU	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1PCQT	2	H	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1PCQT	2	VU	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1QT	1	H	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1QT	1	VU	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1QT	2	H	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M1QT	2	VU	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M2QT	1 1/4	H	11-Jan-2008	11-Jan-2023	Y	8	(hhhh),rrrrr	N		
DC	Watts	LF007M2QT	1 1/4	VU	11-Jan-2008	11-Jan-2023	Y	8	(hhhh),rrrrr	N		
DC	Watts	LF007M2QT	1 1/2	H	11-Jan-2008	11-Jan-2023	Y	8	(hhhh),rrrrr	N		
DC	Watts	LF007M2QT	1 1/2	VU	11-Jan-2008	11-Jan-2023	Y	8	(hhhh),rrrrr	N		
DC	Watts	LF007M3IOTQT	3/4	H	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M3IOTQT	3/4	VU	25-Feb-2021	25-Feb-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M3PCQT	3/4	H	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M3PCQT	3/4	VU	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M3QT	3/4	H	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007M3QT	3/4	VU	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007PCQT	1/2	H	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007PCQT	1/2	VU	13-Mar-2015	13-Mar-2024	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007QT	1/2	H	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF007QT	1/2	VU	11-Jan-2008	11-Jan-2023	Y	9	(hhhh),rrrrr	N		
DC	Watts	LF709	2 1/2	H	12-Jan-2010	12-Jan-2025	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	3	H	12-Jan-2010	12-Jan-2025	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	4	H	27-Jul-2012	27-Jul-2024	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	4	VU	27-Jul-2012	27-Jul-2024	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	6	H	27-Jul-2012	27-Jul-2024	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	6	VU	27-Jul-2012	27-Jul-2024	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	8	H	1-Jul-2010	1-Jul-2022	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	8	VU	1-Jul-2010	1-Jul-2022	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709	10	H	1-Jul-2010	1-Jul-2022	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Watts	LF709	10	VU	1-Jul-2010	1-Jul-2022	Y	9	(ll),mm,oo,pp,zzz,cccc,dddd,eeee,ffff,gggg,nnnnn	N		
DC	Watts	LF709IOT	2 1/2	H	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	3	H	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	4	H	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	4	VU	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	6	H	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	6	VU	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	8	H	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	8	VU	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn,zzzzzz,aaaaaaa	N		
DC	Watts	LF709IOT	10	H	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn	N		
DC	Watts	LF709IOT	10	VU	8-Dec-2022		Y	9	(ll),oo,dddd,eeee,nnnnn	N		
DC	Watts	LF719AQT	1	VUVD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719AQT	1	VUVD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719AQT	1 1/4	VUVD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719AQT	1 1/4	VUVD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719AQT	1 1/2	VUVD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719AQT	1 1/2	VUVD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719AQT	2	VUVD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719AQT	2	VUVD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1/2	H	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	N		
DC	Watts	LF719QT	1/2	VD	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	N		
DC	Watts	LF719QT	1/2	VU	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	N		
DC	Watts	LF719QT	3/4	H	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	N		
DC	Watts	LF719QT	3/4	VD	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	N		
DC	Watts	LF719QT	3/4	VU	3-Jul-2013	3-Jul-2022	Y	9	(hhhh)	N		
DC	Watts	LF719QT	1	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1 1/4	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1 1/4	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1 1/4	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1 1/4	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1 1/4	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1 1/4	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1 1/2	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1 1/2	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1 1/2	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1 1/2	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	1 1/2	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	1 1/2	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	2	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	2	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	2	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	2	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QT	2	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp,rrrrr	N		
DC	Watts	LF719QT	2	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh,rrrrr	N		
DC	Watts	LF719QTR10	1/2	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Watts	LF719QTR10	1/2	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Watts	LF719QTR10	1/2	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Watts	LF719QTR10	3/4	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Watts	LF719QTR10	3/4	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Watts	LF719QTR10	3/4	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,hhhh,pppp,rrrrr	Y		
DC	Watts	LFU719QT	1	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1 1/4	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1 1/4	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1 1/4	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1 1/4	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1 1/4	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1 1/4	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1 1/2	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1 1/2	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1 1/2	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1 1/2	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	1 1/2	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	1 1/2	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	2	H	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	2	H	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	2	VD	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Watts	LFU719QT	2	VD	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	LFU719QT	2	VU	22-Aug-2005	22-Aug-2023	N	9	(vv),xx,ooo,pppp	N		
DC	Watts	LFU719QT	2	VU	22-Aug-2005	22-Aug-2023	Y	9	hhhh	N		
DC	Watts	Magnum 20	2 1/2	H	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	2 1/2	VU	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	3	H	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	3	VU	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	4	H	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	4	VU	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	6	H	3-Aug-2020	3-Aug-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	6	VU	3-Aug-2020	3-Aug-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	8	H	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20	8	VU	15-May-2020	15-May-2023	Y	10	(int)	N		
DC	Watts	Magnum 20G	2 1/2	H	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	2 1/2	VU	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	3	H	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	3	VU	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	4	H	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	4	VU	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	6	H	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	6	VU	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	8	H	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	Magnum 20G	8	VU	15-May-2020	15-May-2023	Y	10	(qqqqqq), rrrrrr	N		
DC	Watts	SS007M1QT	1	H	18-May-1998	18-May-2022	Y	9	(hhh)	N		
DC	Watts	SS007M1QT	1	VU	18-May-1998	18-May-2022	Y	9	(hhh)	N		
DC	Watts	SS007M3QT	1/2	H	11-Sep-2000	11-Sep-2024	Y	9	(hhh)	N		
DC	Watts	SS007M3QT	1/2	VU	11-Sep-2000	11-Sep-2024	Y	9	(hhh)	N		
DC	Watts	SS007M3QT	3/4	H	7-Sep-2000	7-Sep-2024	Y	9	(hhh)	N		
DC	Watts	SS007M3QT	3/4	VU	7-Sep-2000	7-Sep-2024	Y	9	(hhh)	N		
DC	Watts	U007M1APCQT	3/4	VDVD	10-Dec-1994	10-Dec-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1APCQT	3/4	VDVU	10-Dec-1994	10-Dec-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1APCQT	3/4	VUVD	10-Dec-1994	10-Dec-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1APCQT	3/4	VUVU	10-Dec-1994	10-Dec-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1APCQT	2	VDVD	27-Sep-1994	27-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1APCQT	2	VDVU	27-Sep-1994	27-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1APCQT	2	VUVD	27-Sep-1994	27-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1APCQT	2	VUVU	27-Sep-1994	27-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	3/4	VDVD	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	3/4	VDVU	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	3/4	VUVD	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	3/4	VUVU	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	2	VDVD	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	2	VDVU	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	2	VUVD	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1AQT	2	VUVU	24-Feb-1994	24-Feb-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1PCQT	3/4	H	10-Dec-1993	10-Dec-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1PCQT	1	H	10-Dec-1993	10-Dec-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1PCQT	1 1/2	H	27-Sep-1994	27-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1PCQT	2	H	27-Sep-1994	27-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1QT	3/4	H	30-Aug-1993	28-Aug-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1QT	1	H	30-Aug-1993	30-Aug-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M1QT	1 1/2	H	20-Oct-1993	20-Oct-2023	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007M1QT	2	H	20-Oct-1993	20-Oct-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M2AQT	1 1/2	VDVD	6-Sep-1994	6-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M2AQT	1 1/2	VDVU	6-Sep-1994	6-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M2AQT	1 1/2	VUVD	6-Sep-1994	6-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M2AQT	1 1/2	VUVU	6-Sep-1994	6-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M2QT	1 1/4	H	1-Oct-1996	1-Oct-2023	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007M2QT	1 1/2	H	6-Sep-1994	6-Sep-2024	N	8	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007PCQT	3/4	H	10-Dec-1993	10-Dec-2023	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007PCQT	1	H	10-Dec-1993	10-Dec-2023	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007PCQT	1 1/2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007PCQT	2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007QT	1/2	H	8-Mar-1999	8-Mar-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007QT	1/2	VU	8-Mar-1999	8-Mar-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U007QT	3/4	H	11-Jan-1988	11-Jan-2024	N	7	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007QT	1	H	11-Jan-1988	11-Jan-2024	N	7	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007QT	1 1/2	H	21-Jul-1988	21-Jul-2024	N	7	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007QT	2	H	21-Jul-1988	21-Jul-2024	N	7	vv,xx,ooo,hhhh,pppp	Y		
DC	Watts	U007SSPCQT	3/4	H	10-Dec-1993	10-Dec-2023	N	8	vv,xx,pppp	Y		
DC	Watts	U007SSPCQT	1	H	10-Dec-1993	10-Dec-2023	N	8	vv,xx,pppp	Y		
DC	Watts	U007SSPCQT	1 1/2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,pppp	Y		
DC	Watts	U007SSPCQT	2	H	27-Sep-1994	27-Sep-2024	N	8	vv,xx,pppp	Y		
DC	Watts	U007SSQT	3/4	H	11-Jan-1988	11-Jan-2024	N	7	vv,xx,pppp	Y		
DC	Watts	U007SSQT	1	H	11-Jan-1988	11-Jan-2024	N	7	vv,xx,pppp	Y		
DC	Watts	U007SSQT	1 1/2	H	21-Jul-1988	21-Jul-2024	N	7	vv,xx,pppp	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Watts	U007SSQT	2	H	21-Jul-1988	21-Jul-2024	N	7	vv,xx,pppp	Y		
DC	Watts	U719QT	1/2									
DC	Watts	U719QT	1/2									
DC	Watts	U719QT	1/2									
DC	Watts	U719QT	3/4									
DC	Watts	U719QT	3/4									
DC	Watts	U719QT	3/4									
DC	Watts	U719QT	1	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1 1/4	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1 1/4	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1 1/4	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1 1/2	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1 1/2	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	1 1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	2	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	2	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QT	2	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	N		
DC	Watts	U719QTR10	1/2	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Watts	U719QTR10	1/2	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Watts	U719QTR10	1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Watts	U719QTR10	3/4	H	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Watts	U719QTR10	3/4	VD	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Watts	U719QTR10	3/4	VU	4-Oct-2005	4-Oct-2023	N	9	(vv),xx,ooo,hhhh,pppp	Y		
DC	Wilkins	350	3/4	H	6-Jul-2005	6-Jul-2023	N	9	(ii),ooo	N		
DC	Wilkins	350	3/4	VU	6-Jul-2005	6-Jul-2023	N	9	(ii),ooo	N		
DC	Wilkins	350	1	H	21-Apr-2006	21-Apr-2024	N	9	(ii),ooo	N		
DC	Wilkins	350	1	VU	21-Apr-2006	21-Apr-2024	N	9	(ii),ooo	N		
DC	Wilkins	350	1 1/4	H	8-Jan-2009	8-Jan-2024	N	9	(int)	N		
DC	Wilkins	350	1 1/4	VU	8-Jan-2009	8-Jan-2024	N	9	(int)	N		
DC	Wilkins	350	1 1/2	H	8-Jan-2009	8-Jan-2024	N	9	(int)	N		
DC	Wilkins	350	1 1/2	VU	8-Jan-2009	8-Jan-2024	N	9	(int)	N		
DC	Wilkins	350	2	H	8-Jan-2009	8-Jan-2024	N	9	(int)	N		
DC	Wilkins	350	2	VU	8-Jan-2009	8-Jan-2024	N	9	(int)	N		
DC	Wilkins	350	2 1/2	H	5-Sep-2001	5-Sep-2022	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,zzz,dddd,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	2 1/2	H	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	2 1/2	VU	3-Apr-2002	3-Apr-2023	N	9	(gg),hh,ppp,qqq,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	2 1/2	VU	9-Sep-2010	9-Sep-2022	Y	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,zzz,dddd,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	3	H	5-Sep-2001	5-Sep-2022	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,zzz,dddd,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	3	H	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	3	VU	3-Apr-2002	3-Apr-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,zzz,dddd,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	3	VU	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	4	H	15-Sep-1999	15-Sep-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	4	H	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	4	VU	7-Sep-2000	7-Sep-2024	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	4	VU	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	6	H	18-Oct-1999	18-Oct-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	6	H	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	6	VU	17-Dec-1999	17-Dec-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	6	VU	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	8	H	8-Mar-2002	8-Mar-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	8	H	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	8	VU	16-Jan-2003	16-Jan-2024	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	8	VU	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	10	H	28-Aug-2002	28-Aug-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	10	H	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	10	VU	14-Mar-2003	14-Mar-2024	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,vvv,www,zzz,dddd,eeee,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	10	VU	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,vvv,www,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	12	H	10-Feb-2009	10-Feb-2024	N	9	(hh),ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	350	12	H	9-Sep-2010	9-Sep-2022	Y	9	(hh),ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	450	2 1/2	VUVD	24-Jan-2002	24-Jan-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,zzz,dddd,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	450	2 1/2	VUVD	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	450	3	VUVD	24-Jan-2002	24-Jan-2023	N	9	(gg),ee,ff,hh,ll,mm,tt,uu,yy,zz,ppp,qqq,zzz,dddd,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	450	3	VUVD	9-Sep-2010	9-Sep-2022	Y	9	(gg),hh,ppp,qqq,ssss,tttt,vvvv,wwww,yyyy,zzzz,kkkkk,gggggg,hhhhhh,jjjjjj,kkkkkk,mmmmmm,nnnnnn	N		
DC	Wilkins	450	4	VUVD	12-Apr-2000	12-Apr-2024	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450	4	VUVD	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450	6	VUVD	24-May-2000	24-May-2024	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450	6	VUVD	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450	8	VUVD	14-Apr-2003	14-Apr-2024	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450	8	VUVD	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450	10	VUVD	11-Sep-2003	11-Sep-2024	N	9	(ppp),qqq,sss,ttt,www,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450	10	VUVD	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,llllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	550	3/4	H	11-Oct-1976	11-Oct-2024	N	5	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550	1	H	11-Oct-1976	11-Oct-2024	N	5	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550	1 1/4	H	11-Oct-1976	11-Oct-2024	N	5	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Wilkins	550	1 1/2	H	11-Oct-1976	11-Oct-2024	N	5	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550	1 1/2	H	11-Oct-1976	11-Oct-2024	N	5	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550	2	H	11-Oct-1976	11-Oct-2024	N	5	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550	3	H	20-Aug-1979	20-Aug-2024	N	5	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550	4	H	20-Jun-1980	20-Jun-2022	N	5	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550	6	H	6-Jul-1981	6-Jul-2023	N	6	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	3/4	H	18-Jul-1991	18-Jul-2024	N	8	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	1	H	18-Jul-1991	18-Jul-2024	N	8	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	1 1/4	H	5-Apr-1991	5-Apr-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	1 1/2	H	5-Apr-1991	5-Apr-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	2	H	5-Apr-1991	5-Apr-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	2 1/2	H	26-Nov-1991	26-Nov-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	3	H	8-Nov-1991	8-Nov-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	4	H	8-Nov-1991	8-Nov-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	4	VU	29-Aug-1995	29-Aug-2022	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	6	H	18-Mar-1992	18-Mar-2025	N	8	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	6	VU	29-Aug-1995	29-Aug-2022	N	8	(gg),hh,ppp,qqq,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	8	H	18-Mar-1989	18-Mar-2025	N	8	(gg),hh,ppp,qqq,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	8	VU	29-Aug-1995	29-Aug-2022	N	8	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950	10	H	12-Apr-1994	12-Apr-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	350A	2 1/2	H	22-Jun-2005	22-Jun-2023	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	2 1/2	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	2 1/2	VU	22-Jun-2005	22-Jun-2023	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	2 1/2	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	3	H	22-Jun-2005	22-Jun-2023	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	3	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	3	VU	22-Jun-2005	22-Jun-2023	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	3	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	4	H	16-Mar-2004	16-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	4	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	4	VU	16-Mar-2004	16-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	4	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	6	H	25-Nov-2003	25-Nov-2024	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	6	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	6	VU	25-Nov-2003	25-Nov-2024	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	6	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	8	H	12-Feb-2004	12-Feb-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	8	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	8	VU	12-Feb-2004	12-Feb-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	8	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	10	H	6-Apr-2006	6-Apr-2024	N	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	10	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	10	VU	6-Apr-2006	6-Apr-2024	N	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350A	10	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	2 1/2	H	16-Jun-2010	16-Jun-2022	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	2 1/2	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	2 1/2	VU	16-Jun-2010	16-Jun-2022	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	2 1/2	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	3	H	16-Jun-2010	16-Jun-2022	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	3	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	3	VU	16-Jun-2010	16-Jun-2022	N	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	3	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	4	H	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	4	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	4	VU	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	4	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	6	H	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	6	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	6	VU	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	6	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	8	H	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	8	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	8	VU	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	8	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	10	H	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	10	H	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	10	VU	25-Mar-2010	25-Mar-2025	N	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AR	10	VU	9-Sep-2010	9-Sep-2022	Y	9	(ppp),qqq,sss,ttt,www,yyy,zzz,dddd,eeee,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	2 1/2	H	29-Nov-2011	29-Nov-2023	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	2 1/2	VU	9-Nov-2012	9-Nov-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	3	H	29-Nov-2011	29-Nov-2023	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	3	VU	9-Nov-2012	9-Nov-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	4	H	29-Nov-2011	29-Nov-2023	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	4	VU	9-Nov-2012	9-Nov-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	6	H	27-Mar-2012	27-Mar-2024	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	6	VU	24-Oct-2012	24-Oct-2024	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjjj,llllll,mmmmmm,oooooo	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Wilkins	350AST	8	H	20-Feb-2014	20-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	8	VU	20-Feb-2014	20-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	10	H	20-Feb-2014	20-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350AST	10	VU	20-Feb-2014	20-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	2 1/2	H	12-Jun-2015	12-Jun-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	2 1/2	VU	12-Jun-2015	12-Jun-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	3	H	12-Jun-2015	12-Jun-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	3	VU	12-Jun-2015	12-Jun-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	4	H	12-Jun-2015	12-Jun-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	4	VU	12-Jun-2015	12-Jun-2024	Y	10	(ppp),qqq,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	6	H	12-Jun-2015	12-Jun-2024	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	6	VU	12-Jun-2015	12-Jun-2024	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	8	H	25-Feb-2014	25-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	8	VU	25-Feb-2014	25-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	10	H	25-Feb-2014	25-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350ASTR	10	VU	25-Feb-2014	25-Feb-2023	Y	10	(yyy),ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,kkkkk,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	350D	3/4	H	19-May-2009	19-May-2024	N	9	(ii), ooo	N		
DC	Wilkins	350D	3/4	VU	22-Jun-2009	22-Jun-2024	N	9	(ii), ooo	N		
DC	Wilkins	350XL	3/4	H	30-Aug-2006	30-Aug-2024	Y	9	(iiii)	N		
DC	Wilkins	350XL	3/4	VU	30-Aug-2006	30-Aug-2024	Y	9	(iiii)	N		
DC	Wilkins	350XL	1	H	27-Oct-2006	27-Oct-2024	Y	9	(iiii)	N		
DC	Wilkins	350XL	1	VU	27-Oct-2006	27-Oct-2024	Y	9	(iiii)	N		
DC	Wilkins	350XL	1 1/4	H	8-Jan-2009	8-Jan-2024	Y	9	(int)	N		
DC	Wilkins	350XL	1 1/4	VU	8-Jan-2009	8-Jan-2024	Y	9	(int)	N		
DC	Wilkins	350XL	1 1/2	H	8-Jan-2009	8-Jan-2024	Y	9	(int)	N		
DC	Wilkins	350XL	1 1/2	VU	8-Jan-2009	8-Jan-2024	Y	9	(int)	N		
DC	Wilkins	350XL	2	H	8-Jan-2009	8-Jan-2024	Y	9	(int)	N		
DC	Wilkins	350XL	2	VU	8-Jan-2009	8-Jan-2024	Y	9	(int)	N		
DC	Wilkins	450ST	4	VUVD	13-Jun-2018	13-Jun-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450ST	6	VUVD	13-Jun-2018	13-Jun-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450ST	8	VUVD	18-Dec-2018	18-Dec-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450ST	10	VUVD	18-Dec-2018	18-Dec-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450STR	4	VUVD	13-Jun-2018	13-Jun-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450STR	6	VUVD	13-Jun-2018	13-Jun-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450STR	8	VUVD	18-Dec-2018	18-Dec-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	450STR	10	VUVD	18-Dec-2018	18-Dec-2024	Y	10	(kkkkk),yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa,lllll,gggggg,iiiiii,jjjjj,llllll,mmmmmm,oooooo	N		
DC	Wilkins	550	2 1/2	H	25-Sep-1986	25-Sep-2022	N	7	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550A	3/4	H	17-Apr-1987	17-Apr-2023	N	7	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550A	1	H	17-Apr-1987	17-Apr-2023	N	7	(ppp),qqq,sss,ttt,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550M	8	H	15-Mar-1989	15-Mar-2025	N	8	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	550M	10	H	11-Apr-1983	11-Apr-2022	N	6	(ppp),sss,ttt,qqq,yyy,zzz,dddd,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950A	3/4	H	18-Jul-1991	18-Jul-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950A	1	H	18-Jul-1991	18-Jul-2024	N	8	(ppp),qqq,sss,ttt,www,yyy,ssss,uuuu,vvvv,xxxx,yyyy,aaaaa	Y		
DC	Wilkins	950A	1 1/4	H	18-Jul-1991	18-Jul-2024	N	8	ii	Y		
DC	Wilkins	950A	1 1/2	H	18-Jul-1991	18-Jul-2024	N	8	ii	Y		
DC	Wilkins	950A	2	H	18-Jul-1991	18-Jul-2024	N	8	ii	Y		
DC	Wilkins	950XL	3/4	H	2-Nov-1992	2-Nov-2022	N	8	(ii),ooo	N		
DC	Wilkins	950XL	3/4	VU	12-Dec-1996	12-Dec-2023	N	8	(ii),ooo	N		
DC	Wilkins	950XL	1	H	2-Nov-1992	2-Nov-2022	N	8	(ii),ooo	N		
DC	Wilkins	950XL	1 1/4	H	2-Nov-1992	2-Nov-2022	N	8	(ii),ooo,ggg	N		
DC	Wilkins	950XL	1 1/2	H	2-Nov-1992	2-Nov-2022	N	8	(ii),ooo	N		
DC	Wilkins	950XL	2	H	2-Nov-1992	2-Nov-2022	N	8	(ii),bbb,ooo	N		
DC	Wilkins	950XL3	3/4	H	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	3/4	VU	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	1	H	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	1	VU	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	1 1/4	H	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	1 1/4	VU	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	1 1/2	H	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	1 1/2	VU	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	2	H	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3	2	VU	6-Sep-2022		Y	10	(iiii)	N		
DC	Wilkins	950XL3BFSS	2	H	23-May-2023		Y	10	(pppppp)	N		
DC	Wilkins	950XL3BFSS	2	VU	23-May-2023		Y	10	(pppppp)	N		
DC	Wilkins	950XL3U	3/4	H	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	3/4	VU	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	1	H	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	1	VU	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	1 1/4	H	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	1 1/4	VU	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	1 1/2	H	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	1 1/2	VU	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	2	H	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XL3U	2	VU	6-Sep-2022		Y	10	(mmmmm)	N		
DC	Wilkins	950XLD	3/4	H	15-Sep-1999	15-Sep-2023	N	9	(ii),ooo, iiii, mmmmm	N		
DC	Wilkins	950XLD	3/4	H	15-Sep-1999	15-Sep-2023	Y	9	(ii),ooo, iiii, mmmmm	N		

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DC	Wilkins	950XLD	3/4	H	3-Jul-2013	3-Jul-2022	N	10	(iii), mmmmm	N		
DC	Wilkins	950XLD	3/4	H	3-Jul-2013	3-Jul-2022	Y	10	(iii), mmmmm	N		
DC	Wilkins	950XLD	3/4	VU	5-Jan-2000	5-Jan-2023	N	9	(ii),ooo, iiii, mmmmm	N		
DC	Wilkins	950XLD	3/4	VU	5-Jan-2000	5-Jan-2023	Y	9	(ii),ooo, iiii, mmmmm	N		
DC	Wilkins	950XLD	3/4	VU	3-Jul-2013	3-Jul-2022	N	10	(iii), mmmmm	N		
DC	Wilkins	950XLD	3/4	VU	3-Jul-2013	3-Jul-2022	Y	10	(iii), mmmmm	N		
DC	Wilkins	950XLDTCU	3/4	H	18-Dec-2018	18-Dec-2024	Y	10	(iii), mmmmm	N		
DC	Wilkins	950XLT	3/4	H	9-May-1997	9-May-2024	N	9	(ii),ooo	N		
DC	Wilkins	950XLT	1	H	9-May-1997	9-May-2024	N	9	(ii),ooo	N		
DC	Wilkins	950XLT	1 1/4	H	19-Jun-1998	19-Jun-2022	N	9	(ii),ooo	N		
DC	Wilkins	950XLT	1 1/2	H	9-Apr-1998	9-Apr-2022	N	9	(ii),ooo	N		
DC	Wilkins	950XLT	2	H	9-Apr-1998	9-Apr-2022	N	9	(ii),ooo,bbbbb,ccccc,pppppp	N		
DC	Wilkins	950XLT2	3/4	H	21-Aug-2009	21-Aug-2024	Y	9	(iiii)	N		
DC	Wilkins	950XLT2	1	H	21-Aug-2009	21-Aug-2024	Y	9	(iiii)	N		
DC	Wilkins	950XLT2	1 1/4	H	21-Aug-2009	21-Aug-2024	Y	9	(iiii)	N		
DC	Wilkins	950XLT2	1 1/2	H	21-Aug-2009	21-Aug-2024	Y	9	(iiii)	N		
DC	Wilkins	950XLT2	2	H	21-Aug-2009	21-Aug-2024	Y	9	(iiii),pppppp	N		
DC	Wilkins	950XLT2BFSS	2	H	5-Nov-2021	5-Nov-2024	Y	9	(pppppp)	N		
DC	Wilkins	950XLT2U	3/4	H	22-Feb-2011	22-Feb-2023	Y	9	(mmmmm)	N		
DC	Wilkins	950XLTBF	2	H	22-Feb-2011	22-Feb-2023	N	9	(bbbbb),pppppp	N		
DC	Wilkins	950XLTBFSS	2	H	22-Feb-2011	22-Feb-2023	N	9	(ccccc),pppppp	N		
DC	Wilkins	950XLTU	3/4	H	14-Aug-2006	14-Aug-2024	N	9	(ggg),xxx	N		
DC	Wilkins	950XLTU	1	H	14-Aug-2006	14-Aug-2024	N	9	(ggg),xxx	N		
DC	Wilkins	950XLU	3/4	H	15-Feb-1994	15-Feb-2024	N	8	(ggg),xxx	N		
DC	Wilkins	950XLU	1	H	15-Feb-1994	15-Feb-2024	N	8	(ggg),xxx	N		
DC	Wilkins	950XLU	1 1/2	H	15-Feb-1994	15-Feb-2024	N	8	(ggg),xxx	N		
DC	Wilkins	950XLU	2	H	15-Feb-1994	15-Feb-2024	N	8	(ggg),xxx	N		
DC	Wilkins	MBD	8									
DC	Wilkins	MBD	10									
DCDA	Ames	3000-1SS	12	H	4-Dec-2009	4-Dec-2024	N	9	(mm), II	N	Ames 200B 3/4" (H); Watts 719QT 3/4" (H)	(N), H,I,J,K,L,M,O,P,Q
DCDA	Ames	3000-1SS	12	VU	22-Feb-2011	22-Feb-2023	N	9	(mm), II	N	Ames 200B 3/4" (VU); Watts 719QT 3/4" (VU)	(N), H,I,J,K,L,M,O,P,Q
DCDA	Ames	3000B	2	H	16-Jun-1997	16-Jun-2024	N	9	(bbb),jjjj,rrrrr	N	Ames 2000B 1/2" (H), Watts 007QT 1/2" (H)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000B	2	VU	16-Jun-1997	16-Jun-2024	N	9	(bbb),jjjj,rrrrr	N	Ames 2000B 1/2" (VU), Watts 007QT 1/2" (VU)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000B-FP	2	H	1-Sep-2009	1-Sep-2024	N	9	(eeeee)	N	Ames 2000B 1/2" (H), Watts 007QT 1/2" (H)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000BM1	2	H	19-Jun-2015	19-Jun-2024	N	9	(eeeee), bbb, jjjj,rrrrr	N	Ames 2000B 1/2" (H), Watts 007QT 1/2" (H)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000BM1	2	VU	19-Jun-2015	19-Jun-2024	N	9	(eeeee), bbb, jjjj,rrrrr	N	Ames 2000B 1/2" (VU), Watts 007QT 1/2" (VU)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000CIV	4	H	27-Jul-1987	27-Jul-2023	N	6	(pp),hh,uu,eee	Y	Ames 2000B 1/2"(H),Watts 007QT 1/2"(H)	(N),A,B,C,D,E,F,G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	3000CIV	4	VU	27-Aug-1996	27-Aug-2023	N	8	(pp),hh,uu,eee	Y	Ames 2000B 1/2"(VU),Watts 007QT 1/2"(VU)	(N),A,B,C,D,E,F,G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	3000CIV	6	H	27-Jul-1987	27-Jul-2023	N	6	(pp),hh,uu,eee	Y	Ames 2000B 1/2"(H),Watts 007QT 1/2"(H)	(N),A,B,C,D,E,F,G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	3000CIV	6	VU	5-Dec-1996	5-Dec-2023	N	8	(pp),hh,mm,uu,eee	Y	Ames 2000B 1/2" (VU), Watts 007QT 1/2" (VU)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000CIV	8	H	19-Apr-1987	19-Apr-2023	N	6	(pp),hh,mm,uu,eee	Y	Ames 2000B 1/2"(H),Watts 007QT 1/2"(H)	(N),A,B,C,D,E,F,G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	3000CIV	8	VU	5-Dec-1996	5-Dec-2023	N	8	(pp),hh,mm,uu,eee	Y	Ames 2000B 1/2" (VU), Watts 007QT 1/2" (VU)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000CIV	10	H	27-Jul-1987	27-Jul-2023	N	6	(pp),hh,mm,uu,eee	Y	Ames 2000B 1/2"(H),Watts 007QT 1/2"(H)	(N),E,F,G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	3000CIV	10	VU	5-Dec-1996	5-Dec-2023	N	8	(pp),hh,mm,uu,eee	Y	Ames 2000B 1/2" (VU), Watts 007QT 1/2" (VU)	(H),A,B,C,D,E,F,G,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	3000DCDA	4	H	11-Jan-1988	11-Jan-2024	N	7	uu,ee,ff,gg,hh,mm,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 007QT 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000DCDA	6	H	11-Jan-1988	11-Jan-2024	N	7	uu,ee,ff,gg,hh,mm,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 709QT 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000DCDA	8	H	11-Jan-1988	11-Jan-2024	N	7	uu,ee,ff,gg,hh,mm,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 007QT 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000DCDC	10	H	4-Aug-1987	4-Aug-2023	N	7	(uu),ee,ff,gg,hh,oo,pp,ccc,ddd,ffff,gggg	Y	Watts007M2QT 3/4" (H),Watts 709QT 3/4" (H), Ames 2000B 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000GDCDA	4	H	11-Jan-1988	11-Jan-2024	N	7	uu,ee,ff,gg,hh,mm,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 007QT 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000GDCDA	6	H	11-Jan-1988	11-Jan-2024	N	7	uu,ee,ff,gg,hh,mm,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 709QT 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000GDCDA	8	H	11-Jan-1988	11-Jan-2024	N	7	uu,ee,ff,gg,hh,mm,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 007QT 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000GDCDC	10	H	4-Aug-1987	4-Aug-2023	N	7	uu,ee,ff,gg,hh,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 709QT 3/4" (H)	(M),B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SE	2 1/2	H	10-Sep-1996	10-Sep-2023	N	8	(mm),ee,ff,gg,hh,ll,oo,pp,tt,uu,ccc,ddd,ffff,gggg	Y	Watts007M2QT 3/4" (H), Ames 2000B 3/4" (H)	(M),N,O,P,Q
DCDA	Ames	3000SE	6	H	24-May-1995	24-May-2022	N	8	uu,ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	Y	Watts007M2QT 3/4" (H), Ames 2000B 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SE	8	H	9-Sep-1992	9-Sep-2022	N	8	uu,ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	Y	Watts 007M1QT 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SEA	8	H	5-May-1995	5-May-2022	N	8	uu,ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	Y	Ames 2000SS 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SEWM1	6	H	22-Nov-1993	22-Nov-2023	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	Y	Watts 007M1QT 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SS	2 1/2	H	24-May-1995	16-Jan-2023	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts007M2QT 3/4" (H), Ames 2000B 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SS	2 1/2									
DCDA	Ames	3000SS	3	H	24-May-1995	16-Jan-2023	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts007M2QT 3/4" (H), Ames 2000B 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SS	3									
DCDA	Ames	3000SS	4	H	24-May-1995	16-Jan-2023	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts007M2QT 3/4" (H), Ames 2000B 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SS	4									
DCDA	Ames	3000SS	6	H	9-Sep-1992	9-Sep-2022	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts 007M1QT 3/4" (H)), Watts 007M3QT 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SS	6									
DCDA	Ames	3000SS	8	H	16-Sep-1996	16-Sep-2023	N	8	(uu),ee,ff,gg,hh,ll,mm,tt,ccc,ddd,ffff,gggg	N	Watts007M2QT 3/4" (H), Ames 2000B 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SS	10	H	16-Feb-2001	16-Feb-2025	N	8	(ll),mm,oo,pp,ffff,gggg	N	Ames 2000B 3/4" (H)	(J),C,E,F,G,H,I,K,L,M,N,O,P,Q,T
DCDA	Ames	3000SS	12	H	4-Dec-2009	4-Dec-2024	N	9	(mm), II	N	Ames 2000BM3 3/4" (H)	(N), H,I,J,K,L,M,O,P,Q
DCDA	Ames	3000SS	12	VU	22-Feb-2011	22-Feb-2023	N	9	(mm), II	N	Ames 2000BM3 3/4" (VU)	(N), H,I,J,K,L,M,O,P,Q
DCDA	Ames	3000SSA	6	H	5-May-1995	5-May-2022	N	8	uu,ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	Y	Ames 2000SS 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SSM	4	H	5-May-1995	5-May-2022	N	8	uu,ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	Y	Ames 2000SS 1" (H)	(R)
DCDA	Ames	3000SSM	6	H	5-May-1995	5-May-2022	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts 007M2QT 1 1/2" (H)	(S)
DCDA	Ames	3000SSWM1	2 1/2	H	11-Jul-1991	11-Jul-2024	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts 007M1QT 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SSWM1	3	H	11-Jul-1991	11-Jul-2024	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts 007M1QT 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	3000SSWM1	4	H	11-Jul-1991	11-Jul-2024	N	8	(uu),ee,ff,gg,hh,ll,mm,oo,pp,tt,ccc,ddd,ffff,gggg	N	Watts 007M1QT 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Ames	Colt 300aBF	2 1/2	H	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DCDA	Ames	Colt 300aBF	2 1/2	VU	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aBF	3	H	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aBF	3	VU	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aBF	4	H	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aBF	4	VU	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aBF	6	H	29-Sep-2004	29-Sep-2022	N	9	(yyy)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aBF	6	VU	18-Jan-2005	18-Jan-2023	N	9	(yyy)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	2 1/2	H	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	2 1/2	VU	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	3	H	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	3	VU	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	4	H	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	4	VU	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	6	H	3-Nov-2004	3-Nov-2022	N	9	(zzz)	Y	Ames 2000BM3 3/4 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300aGV	6	VU	18-Jan-2005	18-Jan-2023	N	9	(zzz)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	2 1/2	H	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	2 1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	3	H	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	3	VU	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	4	H	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	4	VU	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	6	H	2-Mar-2007	2-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4"(H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	6	VU	2-Mar-2007	2-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4"(V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	8	H	9-Mar-2007	9-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	8	VU	9-Mar-2007	9-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	10	H	17-Sep-2009	17-Sep-2024	N	9	(yyy)	N	Watts 007M3QT 3/4" (H), Ames 2000 BM3 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300BF	10	VU	17-Sep-2009	17-Sep-2024	N	9	(yyy)	N	Watts 007M3QT 3/4" (V), Ames 2000 BM3 (V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	2 1/2	H	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	2 1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	3	H	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	3	VU	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	4	H	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	4	VU	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	6	H	2-Mar-2007	2-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4"(H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	6	VU	2-Mar-2007	2-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4"(V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	8	H	9-Mar-2007	9-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	8	VU	9-Mar-2007	9-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	10	H	17-Sep-2009	17-Sep-2024	N	9	(zzz)	N	Watts 007M3QT 3/4" (H), Ames 2000 BM3 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300GV	10	VU	17-Sep-2009	17-Sep-2024	N	9	(zzz)	N	Watts 007M3QT 3/4" (V), Ames 2000 BM3 (V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NBF	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NBF	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NBF	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NBF	6	VUVD	7-Apr-2009	7-Apr-2024	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NBF	8	VUVD	3-Jan-2013	3-Jan-2025	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NBF	10	VUVD	28-May-2013	28-May-2022	N	9	(yyy)	N	Ames 2000BM3 3/4" (H), Watts 007M3QT 3/4" (H)	(N), H,I,J,K,L,M,N,O,P,Q
DCDA	Ames	Colt 300NGV	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NGV	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NGV	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NGV	6	VUVD	7-Apr-2009	7-Apr-2024	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NGV	8	VUVD	3-Jan-2013	3-Jan-2025	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Colt 300NGV	10	VUVD	28-May-2013	28-May-2022	N	9	(zzz)	N	Ames 2000BM3 3/4" (H), Watts 007M3QT 3/4" (H)	(N), H,I,J,K,L,M,N,O,P,Q
DCDA	Ames	DCDA	4									
DCDA	Ames	DCDA	4									
DCDA	Ames	DCDA	8									
DCDA	Ames	DCDA	8									
DCDA	Ames	DCDA	10									
DCDA	Ames	DCDA-I	6									
DCDA	Ames	DCDA-I	6									
DCDA	Ames	DCDC	4	H	14-Jun-1985	14-Jun-2024	N	6	ee,ff,gg,hh,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 709QT 3/4" (H)	(K),A,B,C,D,E,F,G,H,I,J,L,M,N,O,P,Q,T
DCDA	Ames	DCDC	6	H	14-Jun-1985	14-Jun-2024	N	6	ee,ff,gg,hh,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 709QT 3/4" (H)	(K),A,B,C,D,E,F,G,H,I,J,L,M,N,O,P,Q,T
DCDA	Ames	DCDC	8	H	4-Aug-1987	4-Aug-2023	N	7	ee,ff,gg,hh,oo,pp,ccc,ddd,ffff,gggg	Y	Watts 709QT 3/4" (H)	(K),A,B,C,D,E,F,G,H,I,J,L,M,N,O,P,Q,T
DCDA	Ames	DCDC	10									
DCDA	Ames	LFColt 300BF	2 1/2	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300BF	2 1/2	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300BF	3	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300BF	3	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300BF	4	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300BF	4	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300BF	6	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300BF	6	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300BF	8	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300BF	8	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300BF	10	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300BF	10	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300GV	2 1/2	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300GV	2 1/2	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DCDA	Ames	LFColt 300GV	3	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300GV	3	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300GV	4	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300GV	4	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300GV	6	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300GV	6	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300GV	8	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300GV	8	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300GV	10	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300GV	10	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFColt 300NBF	2 1/2	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NBF	3	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NBF	4	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NBF	6	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NBF	8	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NBF	10	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NGV	2 1/2	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NGV	3	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NGV	4	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NGV	6	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NGV	8	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFColt 300NGV	10	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300BF	2 1/2	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300BF	2 1/2	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300BF	3	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300BF	3	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300BF	4	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300BF	4	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300BF	6	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300BF	6	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300BF	8	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300BF	8	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300BF	10	H	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300BF	10	VU	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300GV	2 1/2	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300GV	2 1/2	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300GV	2 1/2	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300GV	2 1/2	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300GV	3	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300GV	3	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300GV	4	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300GV	4	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300GV	6	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300GV	6	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300GV	8	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300GV	8	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300GV	10	H	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300GV	10	VU	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (VU), Ames LF2000BM3 3/4" (VU)	(O)
DCDA	Ames	LFMaxim 300NBF	2 1/2	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NBF	3	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NBF	4	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NBF	6	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NBF	8	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NBF	10	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(yyy)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NGV	2 1/2	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NGV	3	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NGV	4	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NGV	6	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NGV	8	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	LFMaxim 300NGV	10	VUVD	8-Jan-2014	8-Jan-2023	Y	9	(zzz)	N	Watts LF007M3QT 3/4" (H), Ames LF2000BM3 3/4" (H)	(O)
DCDA	Ames	Maxim 300aBF	2 1/2	H	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aBF	2 1/2	VU	6-Nov-2003	6-Nov-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aBF	3	H	6-Oct-2003	6-Oct-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aBF	3	VU	6-Oct-2003	6-Oct-2024	N	9	(yyy)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aBF	4	H	3-Nov-2004	3-Nov-2022	N	9	(yyy)	Y	Ames 2000BM3 3/4 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aBF	4	VU	18-Jan-2005	18-Jan-2023	N	9	(yyy)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aGV	2 1/2	H	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aGV	2 1/2	VU	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aGV	3	H	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aGV	3	VU	6-Oct-2003	6-Oct-2024	N	9	(zzz)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aGV	4	H	3-Nov-2004	3-Nov-2022	N	9	(zzz)	Y	Ames 2000BM3 3/4 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300aGV	4	VU	18-Jan-2005	18-Jan-2023	N	9	(zzz)	Y	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	2 1/2	H	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	2 1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	3	H	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	3	VU	4-Oct-2005	4-Oct-2023	N	9	(yyy)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	4	H	2-Mar-2007	2-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4"(H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	4	Vu	2-Mar-2007	2-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4"(V)	(N),G,H,I,J,K,L,M,O,P,Q,T

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DCDA	Ames	Maxim 300BF	6	H	9-Mar-2007	9-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	6	VU	9-Mar-2007	9-Mar-2025	N	9	(yyy)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	8	H	17-Sep-2009	17-Sep-2024	N	9	(yyy)	N	Watts 007M3QT 3/4" (H), Ames 2000 BM3 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	8	VU	17-Sep-2009	17-Sep-2024	N	9	(yyy)	N	Watts 007M3QT 3/4" (V), Ames 2000 BM3 (V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	10	H	17-Sep-2009	17-Sep-2024	N	9	(yyy)	N	Watts 007M3QT 3/4" (H), Ames 2000 BM3 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300BF	10	VU	17-Sep-2009	17-Sep-2024	N	9	(yyy)	N	Watts 007M3QT 3/4" (V), Ames 2000 BM3 (V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	2 1/2	H	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	2 1/2	VU	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	3	H	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	3	VU	4-Oct-2005	4-Oct-2023	N	9	(zzz)	N	Ames 2000BM3 3/4" (VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	4	H	2-Mar-2007	2-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4"(H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	4	VU	2-Mar-2007	2-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4"(V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	6	H	9-Mar-2007	9-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	6	VU	9-Mar-2007	9-Mar-2025	N	9	(zzz)	N	Ames 2000BM3 3/4" (H & VU)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	8	H	17-Sep-2009	17-Sep-2024	N	9	(zzz)	N	Watts 007M3QT 3/4" (H), Ames 2000 BM3 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	8	VU	17-Sep-2009	17-Sep-2024	N	9	(zzz)	N	Watts 007M3QT 3/4" (V), Ames 2000 BM3 (V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	10	H	17-Sep-2009	17-Sep-2024	N	9	(zzz)	N	Watts 007M3QT 3/4" (H), Ames 2000 BM3 (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300GV	10	VU	17-Sep-2009	17-Sep-2024	N	9	(zzz)	N	Watts 007M3QT 3/4" (V), Ames 2000 BM3 (V)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300NBF	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300NBF	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300NBF	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300NBF	6	VUVD	3-Jan-2013	3-Jan-2025	N	9	(yyy)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,O,P,Q,T
DCDA	Ames	Maxim 300NBF	8	VUVD	28-May-2013	28-May-2022	N	9	(yyy)	N	Ames 2000BM3 3/4" (H), Watts 007M3QT 3/4" (H)	(N), H,I,J,K,L,M,N,O,P,Q
DCDA	Ames	Maxim 300NBF	10	VUVD	28-May-2013	28-May-2022	N	9	(yyy)	N	Ames 2000BM3 3/4" (H), Watts 007M3QT 3/4" (H)	(N), H,I,J,K,L,M,N,O,P,Q
DCDA	Ames	Maxim 300NGV	2 1/2	VUVD	7-Apr-2009	7-Apr-2024	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	Maxim 300NGV	3	VUVD	7-Apr-2009	7-Apr-2024	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	Maxim 300NGV	4	VUVD	7-Apr-2009	7-Apr-2024	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	Maxim 300NGV	6	VUVD	3-Jan-2013	3-Jan-2025	N	9	(zzz)	N	Ames 2000BM3 3/4" (H)	(N),G,H,I,J,K,L,M,N,O,P,Q,T
DCDA	Ames	Maxim 300NGV	8	VUVD	28-May-2013	28-May-2022	N	9	(zzz)	N	Ames 2000BM3 3/4" (H), Watts 007M3QT 3/4" (H)	(N), H,I,J,K,L,M,N,O,P,Q
DCDA	Ames	Maxim 300NGV	10	VUVD	28-May-2013	28-May-2022	N	9	(zzz)	N	Ames 2000BM3 3/4" (H), Watts 007M3QT 3/4" (H)	(N), H,I,J,K,L,M,N,O,P,Q
DCDA	Apollo/Conbraco	4060003	3									
DCDA	Apollo/Conbraco	4060003	3									
DCDA	Apollo/Conbraco	40600000	3	H	20-Aug-1996	20-Aug-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	10DCDA	10									
DCDA	Apollo/Conbraco	10DCDA	10									
DCDA	Apollo/Conbraco	2 1/2DCDA	2 1/2	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDA	2 1/2	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDA6	2 1/2	H	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDA6	2 1/2	VU	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDA7	2 1/2	H	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDA7	2 1/2	VU	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDA8	2 1/2	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDA8	2 1/2	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	2 1/2DCDAU	2 1/2	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA	3	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA	3	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA6	3	H	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA6	3	VU	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA7	3	H	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA7	3	VU	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA8	3	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDA8	3	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	3DCDAU	3	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	40600C3	3	H	20-Aug-1996	20-Aug-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060A03	4									
DCDA	Apollo/Conbraco	4060A03	4									
DCDA	Apollo/Conbraco	4060AC3	4	H	13-Apr-1993	13-Apr-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060AC6	4	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060AE3	4	H	13-Apr-1993	13-Apr-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060AE6	4	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060C03	6									
DCDA	Apollo/Conbraco	4060C03	6									
DCDA	Apollo/Conbraco	4060CC3	6	H	2-Jun-1993	2-Jun-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060CC6	6	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060CE3	6	H	2-Jun-1993	2-Jun-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060CE6	6	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060E03	8									
DCDA	Apollo/Conbraco	4060E03	8									
DCDA	Apollo/Conbraco	4060EC3	8	H	13-Apr-1993	13-Apr-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060EC6	8	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060EE3	8	H	13-Apr-1993	13-Apr-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060EE6	8	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060G03	10									
DCDA	Apollo/Conbraco	4060G03	10									
DCDA	Apollo/Conbraco	4060GC3	10	H	13-Apr-1993	13-Apr-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060GC6	10	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T

Type	Manufacturer	Model	Size	Orientation(s)	Approved	Renewed	≤0.25% Pb	Manual	Shutoffs	Y-Spare Parts Onl	Bypass	Meters
DCDA	Apollo/Conbraco	4060GE3	10	H	12-Apr-1993	12-Apr-2023	N	8	uu,cc,mm	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4060GE6	10	H	1-Feb-2000	1-Feb-2024	N	8	mm[#1SOV], nnn[#2SOV]	Y	Apollo/Conbraco 4010402 3/4" (H)	(M),A,B,C,D,E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA	4	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA	4	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA6	4	H	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA6	4	VU	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA7	4	H	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA7	4	VU	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA8	4	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDA8	4	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4DCDAU	4	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	4SG 600U	2 1/2									
DCDA	Apollo/Conbraco	4SG 600U	3									
DCDA	Apollo/Conbraco	4SG 600U	4									
DCDA	Apollo/Conbraco	4SG 600U	6									
DCDA	Apollo/Conbraco	4SG 600U	8									
DCDA	Apollo/Conbraco	4SG-600	2 1/2									
DCDA	Apollo/Conbraco	4SG-600	2 1/2									
DCDA	Apollo/Conbraco	4SG-600	3									
DCDA	Apollo/Conbraco	4SG-600	3									
DCDA	Apollo/Conbraco	4SG-600	4									
DCDA	Apollo/Conbraco	4SG-600	4									
DCDA	Apollo/Conbraco	4SG-600	6									
DCDA	Apollo/Conbraco	4SG-600	6									
DCDA	Apollo/Conbraco	4SG-600	8									
DCDA	Apollo/Conbraco	4SG-600	8									
DCDA	Apollo/Conbraco	6DCDA	6	H	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDA	6	VU	16-Oct-2000	16-Oct-2024	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDA6	6	H	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDA6	6	VU	10-Apr-2001	10-Apr-2022	N	9	(mm)[#1SOV],(nnn)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDA7	6	H	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDA7	6	VU	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDA8	6	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDA8	6	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	6DCDAU	6	VUVD	10-Apr-2001	10-Apr-2022	N	9	(ll),mm	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	8DCDA	8	H	16-Jan-2003	16-Jan-2024	N	9	(mm),ll	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	8DCDA	8	VU	16-Jan-2003	16-Jan-2024	N	9	(mm),ll	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	8DCDA7	8	H	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	8DCDA7	8	VU	29-Sep-2004	29-Sep-2022	N	9	(mm)[#1SOV], (qqq)[#2SOV]	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	8DCDA8	8	H	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	8DCDA8	8	VU	29-Sep-2004	29-Sep-2022	N	9	(ppp),qqq	Y	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4S	10	H	16-Jan-2003	16-Jan-2024	N	9	(mm),ll, xxxxx, zzzzz, bbbbbb, cccccc	N	Apollo/Conbraco 1/2DC 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4S	10	VU	16-Jan-2003	16-Jan-2024	N	9	(mm),ll, xxxxx, zzzzz, bbbbbb, cccccc	N	Apollo/Conbraco 1/2DC 1/2" (VU), Apollo/Conbraco W432100 1/2" (VU)	(M),F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	2 1/2	H	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	2 1/2	VU	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (VU), Apollo/Conbraco W432100 1/2" (V)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	3	H	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	3	VU	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (VU), Apollo/Conbraco W432100 1/2" (V)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	4	H	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	4	VU	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (VU), Apollo/Conbraco W432100 1/2" (V)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	6	H	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	6	VU	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (VU), Apollo/Conbraco W432100 1/2" (V)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T
DCDA	Apollo/Conbraco	DCDA4SG	8	H	18-Oct-2007	18-Oct-2022	N	9	(yyy)ppp,qqq,ttt,xxxxx,yyyyy,zzzzz,aaaaaa, xxxxxx	N	Apollo/Conbraco 4S103 1/2" (H), Apollo/Conbraco W432100 1/2" (H)	(M),E,F,G,H,I,J,K,L,N,O,P,Q,T

APPENDIX G: BLANK BPA TEST FORM

CITY OF SOLVANG
WATER DIVISION
1644 Oak Street
Solvang, CA 93463
Phone: (805) 688-5575, EXT. 202
Email: MLOWES@CITYOFSOLVANG.COM
Cc: MIKEM@CITYOFSOLVANG.COM

BACKFLOW ASSEMBLY TEST REPORT

LAST TEST: _____

TEST DUE: _____

ASSEMBLY INFORMATION

TYPE: _____ SIZE: _____ MFG: _____

MODEL: _____ SERIAL NO.: _____

☐ EXISTING ⇒ REFERENCE NO.: _____

☐ REPLACEMENT ⇒ OLD ASSEMBLY SERIAL NO.: _____

☐ NEW ⇒ PLUMBING PERMIT NO.: _____

TYPE OF SERVICE: DOMESTIC ☐ IRRIGATION ☐ FIRE ☐

METER # IF APPLICABLE METER READ

OWNER/MANAGEMENT

MANAGEMENT/NAME:

(ATTN)(C/O):

MAILING ADDRESS:

CITY, STATE, ZIP:

PHONE:

FACILITY

SITE NAME: _____ SITE PHONE: _____

SITE ADDRESS: _____ CITY: _____ ZIP: _____

ASSEMBLYLOCATION: _____
(must be filled in)

TEST RESULT INFORMATION

	DOUBLE CHECK VALVE ASSEMBLY				
	REDUCED PRESSURE PRINCIPLE ASSEMBLY			PVB/SVB	
	CHECK VALVE NO. 1	**CHECK VALVE NO. 2**	**DIFFERENTIAL RELIEF VALVE**	**AIR INLET VALVE**	**CHECK VALVE**
INITIAL TEST	HELD AT: _____ PSID LEAKED ☐	HELD AT: _____ PSID CLOSED TIGHT (RP) ☐ LEAKED ☐	OPENED AT: _____ PSID OPENED UNDER 2.0 PSID OR DID NOT OPEN ☐	OPENED AT: _____ PSID OPENED UNDER 1.0 PSID OR DID NOT OPEN ☐	HELD AT: _____ PSID LEAKED ☐
REPAIR	1) CLEANED ☐ REPLACED: 2) DISC ☐ 3) SPRING ☐ 4) GUIDE ☐ 5) SEAT ☐ 6) MODULE ☐ 7) OTHER ☐	1) CLEANED ☐ REPLACED: 2) DISC ☐ 3) SPRING ☐ 4) GUIDE ☐ 5) SEAT ☐ 6) MODULE ☐ 7) OTHER ☐	1) CLEANED ☐ 2) EXERCISED ☐ REPLACED: 3) DISC(S) ☐ 4) SPRING ☐ 5) DIAPHRAGM(S) ☐ 6) SEAT(S) ☐ 7) O-RING(S) ☐ 8) MODULE ☐ 9) OTHER ☐	1) CLEANED ☐ REPLACED: 2) DISC ☐ 3) DIAPHRAGM ☐ 4) FLOAT ☐ 5) OTHER ☐	1) CLEANED ☐ REPLACED: 2) DISC ☐ 3) MODULE ☐ 4) OTHER ☐
TEST AFTER REPAIR	HELD AT: _____ PSID	HELD AT: _____ PSID CLOSED TIGHT (RP) ☐	OPENED AT: _____ PSID	OPENED AT: _____ PSID	HELD AT: _____ PSID

INITIAL TEST	TEST AFTER REPAIR
START TIME:	START TIME:
END TIME	END TIME:

COMMENTS: _____

ASSEMBLY: PASSED ☐ FAILED ☐ TAG NO.: _____

If FAILED, please email or drop off the test report to the City and notify the appropriate water purveyor within 24 hours

PLEASE EMAIL OR DROP OFF ORIGINAL

FREEZE BAG? ☐ FREEZE CAGE? ☐

TESTER NUMBER: _____

PLEASE *PRINT* YOUR NAME: _____

SIGNATURE: _____

APPENDIX H: BACKFLOW INCIDENT FORM

City of Solvang

BACKFLOW INCIDENT REPORT

WATER SYSTEM INFORMATION

Water System: City of Solvang Water System Number: CA4210013

INCIDENT INFORMATION

Date and time of Incident: _____

Location/Address where the incident was observed: _____

How was the incident Discovered? _____

BACKFLOW INFORMATION

Address of premises where backflow originated: _____

POC Name: _____ Title: _____

Phone No.: _____ Email: _____

Connection Type (check one):	☐Industrial	☐Commercial	☐Single-Family Residential	☐Multi-Family Residential	☐Water System Facility	☐Recycled Water
	☐Irrigation	☐Other				

Description and source of backflow substance. Attach SDS if available. _____

Was the backflow fluid contained within the user side? ☐Yes ☐No

Estimated Number of affected persons: _____

Number and description of consumer complaints received: _____

Did any consumers report illness? Please describe. _____

If applicable, please describe the consumer notification: _____

INVESTIGATION

Please describe the water system investigation including timeframes: _____

_____

_____

What was the area system pressure at the time of the incident? _____

Is this within typical range? ☐Yes ☐No – Typical pressure: _____

Was a sample of the water contaminated by the backflow incident collected and stored before flushing?
☐Yes ☐No

Describe all sampling: _____

_____

_____

DDW recommends laboratory or field sampling for the following parameters:
Total coliform, E. coli, free and total chlorine residual, pH, odor, turbidity, temperature, and color. Additional sampling should be collected at the PWS and regulatory agency's discretion.

CORRECTIVE ACTIONS

Please describe the corrective actions taken by the City: _____

_____

_____

Was the chlorine residual increased after discovery of backflow incident? ☐Yes ☐No

Date of last hazard assessment conducted at backflow impacted premises: _____

Did the premise have backflow prevention assemblies? ☐Yes ☐No

Date of most recent BPA test(s):_____

When was the Division of Drinking Water or Local County Health office notified?
Date: _____ Time:_____ Contact Person:_____

Was the Division or Local County Health notified within 24 hours? ☐Yes ☐No

Other agencies or organizations contacted? _____

_____

_____

CERTIFICATION

Name: _____ Job Title: _____

Cross Connection Control Certification No.: _____

Expiration Date: _____

I certify that the forgoing information is true and correct to the best of my ability.

Signature _____ Date _____

APPENDIX I: COMPLIANCE NOTICE

April 23, 2025

Utility Department & Water Division

Jose Acosta
Utility Director
jacosta@cityofsolvang.com

Mike Mathews
Water Supervisor
mikem@cityofsolvang.com

Mariela Lowes
Utility Billing Clerk
mlowes@cityofsolvang.com

TO: PREMISES OWNER OR OCCUPANT

FROM: CITY OF SOLVANG

SUBJECT: NOTICE TO TEST BACKFLOW PREVENTION ASSEMBLY

DUE DATE: SECOND REQUEST - May 9th, 2025

The backflow prevention assembly described on the reverse side of this notice has been installed on premises owned or occupied by you for the protection of the potable water supply.

Under the requirements of the California Cross-Connection Control Policy Handbook, the Santa Barbara County Code, and the City of Solvang Ordinances No. 95-165 and No. 96-179, please have this assembly tested to ensure that it is functioning satisfactorily. Testing is required to be performed when first putting the assembly into service, at the time of reinstatement following a period of inactivity, if the assembly is relocated, and at least annually for the life of the assembly. If found defective, the assembly shall be repaired or replaced without delay. Repair or replacement must be followed by a test to ensure effective operation.

Testing must be performed by a person possessing a valid certificate of competence issued by either the American Water Works Association (AWWA), American Backflow Prevention Association (ABPA), or American Society of Sanitary Engineering (ASSE). A list of certified testers is enclosed for your convenience, please choose an approved tester from our list only. The completed report is to be returned to the City of Solvang by the return date specified above. The responsibility for returning the form rests solely with the owner or occupant, unless the owner or occupant authorizes the tester to send the report to the City of Solvang.

If you have any questions, please feel free to contact the City of Solvang Utility Billing Clerk at (805)688-5575 x202.

Your cooperation is greatly appreciated.

Sincerely,
Utility Billing Clerk
City of Solvang

APPROVED COMPANIES / INDIVIDUALS PROVIDING BACKFLOW PREVENTION ASSEMBLY TESTING

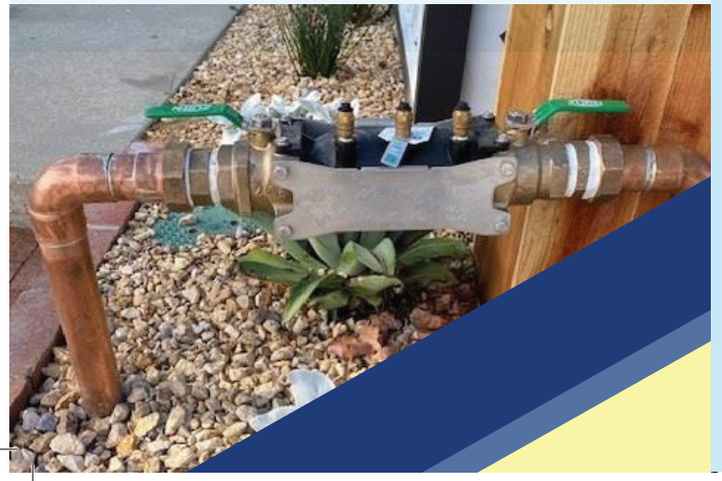
Company	Contact Name	Certificate #	Expiry Date	Address	City, State, Zip	Phone
AQUATREX, INC	MARK DUBOSE	13400	05/31/2025	218 SOUTH O STREET	LOMPOC, CA 93436	(805) 294-0657
AQUATREX, INC	AJ REYNOSO	18760	08/31/2025	218 SOUTH O STREET	LOMPOC, CA 93436	(805) 294-0657
ATKIN BACKFLOW TESTING	SHANE A. ATKIN	13626	09/30/2025	2789 RUCKER ROAD	LOMPOC, CA 93436	(805) 733-4544
BACKFLOW TESTING & REPAIR	MIKE ROBLES	19996	01/31/2028	313 ROSEMEAD STREET	SANTA BARBARA, CA 93110	(805) 698-9401
BAZZELL BACKFLOW SERVICE	DAVID BAZZELL	16697	08/31/2026	PO BOX 1536	SOLVANG, CA 93464	(805) 637-0175
COAST PLUMBING	MARIO DIAZ PADILLA	36036	10/31/2026	PO BOX 387	BUELLTON, CA 93427	(805) 691-9905
DAVID MEXICO	DAVID MEXICO	03616	05/31/2026	449 BLUE BIRD GLEN	BUELLTON, CA 93427	(805) 896-3723
GRIFFIN PLUMBING, INC	CHRISTOPHER J. GRIFFIN	17342	02/29/2028	PO BOX 2537	ORCUTT, CA 93457	(805) 934-1949
JACK'S PLUMBING	JACK BINGHAM	5-2132	03/24/2026	2011 PREISKER LN, STE A	SANTA MARIA, CA 93454	(805) 925-0199
JERRY'S PLUMBING & HEATING	JOHN COCKRUM	10448	10/31/2025	PO BOX 736	SOLVANG, CA 93464	(805) 688-6973
JERRY'S PLUMBING & HEATING	ADRIAN LIMON	18506	01/31/2028	319 N RUSSELL AVE	SANTA MARIA, CA 93458	(805) 928-5526
JIM MAINHARDT BACKFLOW SERVICES	JIM MAINHARDT	10706	05/31/2026	314 CALOR DRIVE	BUELLTON, CA 93427	(805) 705-8964
MID-COAST FIRE PROTECTION, INC	MICHAEL BAISCH	18155	03/31/2027	84 INDUSTRIAL WAY, UNIT D	BUELLTON, CA 93427	(805) 693-9900
MID-COAST FIRE PROTECTION, INC	RYAN GREATHEAD	18771	08/31/2025	84 INDUSTRIAL WAY, UNIT D	BUELLTON, CA 93427	(805) 693-9900
MID-COAST FIRE PROTECTION, INC	TIMOTHY R. CALLAHAN	18269	06/30/2027	84 INDUSTRIAL WAY, UNIT D	BUELLTON, CA 93427	(805) 693-9900
MID-COAST FIRE PROTECTION, INC	VINCENT M. CARATTINI	13948	07/31/2026	84 INDUSTRIAL WAY, UNIT D	BUELLTON, CA 93427	(805) 693-9900
MR. BACKFLOW	MATTHEW GRAEF	5-768	10/09/2027	PO BOX 8106	SANTA MARIA, CA 93456	(805) 588-0785
PETERSEN BACKFLOW SERVICE	THOMAS PETERSEN	13528	07/31/2025	2200 HILL HAVEN ROAD	SOLVANG, CA 93463	(805) 698-0072
PHIL'S BACKFLOW	PHIL ROTONDI	5-853	09/15/2026	3913 CLUBHOUSE COURT	LOMPOC, CA 93436	(805) 363-3686
RC BACKFLOW	RUBEN CAMACHO	18270	06/30/2027	6893 FOXEN CANYON ROAD	LOS OLIVOS, CA 93441	(805) 245-3207
RON'S BACKFLOW SERVICE	RON SIMPSON	5-1062	08/05/2026	3933 HILLVIEW ROAD	SANTA MARIA, CA 93455	(805) 431-7421
WATER WORX LLC	PAUL MATSUKAS	19418	01/31/2027	162 VALLEY STATION CIRCLE	BUELLTON, CA 93427	(805) 325-1457
ZIERMAN PLUMBING & HEATING	ERIC PEREZ	18404	09/30/2027	2341 MEREDITH LANE	SANTA MARIA, CA 93455	(805) 928-2511

APPENDIX J: OUTREACH BROCHURE

Water delivered to consumers is treated and sampled for hundreds of water quality indicators and compared to Federal and California drinking water standards. This process ensures delivery of safe drinking water. Despite this process, improper plumbing can create cross-connections between drinking water and non potable sources leading to potential for or actual contamination or pollution of drinking water, posing a hazard to consumers. The City of Solvang Cross-Connection Control and Backflow Prevention program is intended to prevent these potential hazards and further ensure the delivery of safe drinking water to consumers.

What is a Cross-Connection?

A cross-connection is an actual or potential connection between drinking water piping and a non-potable water source (e.g., sink, toilet, irrigation system, fire sprinkler system, pool, chiller, boiler). Drinking water can become impaired by pollutants or contaminants through backflow.

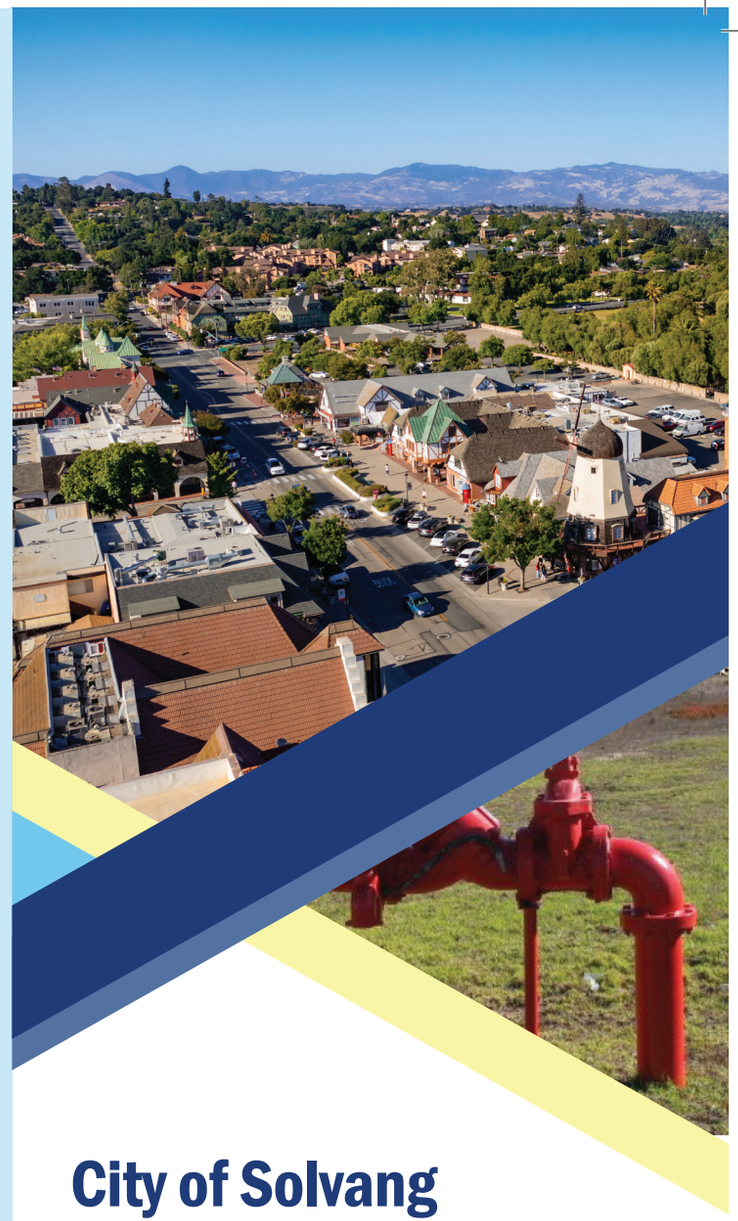


For Further Information Contact:

Mr. Mike Mathews
Water Supervisor
(805) 688-5575
mikem@cityofsolvang.com

Mr. Andrew Guynn
Lead Operator/Backflow Inspector
(805) 688-5575
andrewg@cityofsolvang.com

Visit the City of Solvang Backflow Prevention Website
https://www.cityofsolvang.com/168/Water-Division



City of Solvang Cross-Connection Control and Backflow Prevention Program

Keeping Drinking Water Safe

What is Backflow?

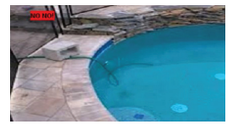
Backflow is the undesired flow of pollutants or contaminants into the drinking water system. Backflow can occur through either backsiphonage or backpressure.

Backsiphonage is created when the supply water pressure is lowered to a sub-atmospheric condition. For example, backsiphonage can occur when a main water line that is installed below the street surface breaks, causing a pressure loss downstream of the break, and drawing water with non-potable substances from a higher elevation into the drinking water distribution system.

Backpressure occurs when the downstream pressure is higher than the supply pressure. One instance where backpressure can occur is when circulating pumps installed in a plumbing system introduce a reverse of flow at a pressure higher than the supply pressure.

Plumbing fixtures (e.g., lavatories, toilets, urinals, sinks, tubs, showers, hose bibbs) installed in accordance with the plumbing code typically use air gaps or vacuum breakers to protect drinking water. Other plumbing systems such as irrigation systems, fire sprinkler systems, boilers, and chillers are required to use backflow prevention devices or assemblies designed to prevent backflow of undesired substances into the drinking water system.

Examples of backflow preventers used for controlling various cross-connections.

Backflow Preventer	Description	Typical Cross-Connection Point of Use	Typical Pollutants or Contaminants Controlled
	Double check backflow prevention assembly	Fire sprinkler system	Stagnant water and pipe residues
	Reduced pressure principle backflow prevention assembly	Boilers and chillers	Corrosion inhibitors
	Reduced pressure principle backflow prevention assembly	Irrigation systems	Fertilizers, herbicides, and pesticides
	Reduced pressure principle backflow prevention assembly	Recreational vehicle dump station	Sewage
	Reduced pressure principle backflow prevention assembly	Swimming pool	Swimming pool water
	Atmospheric vacuum breaker	Garden hose	Used water & fertilizers
	Atmospheric vacuum breaker	Dishwasher and food processor	Wash water, food waste, cleaning agents
	Atmospheric vacuum breaker	Irrigation systems	Fertilizers, herbicides & pesticides

CALIFORNIA Water Boards

GAVIN NEWSOM
GOVERNOR

YANA GARCIA
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

June 13, 2025

Jose Acosta, Utility Director
City of Solvang
411 Second Street
Solvang, CA 93463
jacosta@cityofsolvang.com

RE: Approval of Cross-Connection Control Plan, City of Solvang Water Division (CA4210013)

Dear Mr. Acosta,

Thank you for the submission of the Cross-Connection Control Plan (CCCP) for the City of Solvang Water Division (City), submitted to the Division of Drinking Water (DDW) on June 13, 2025. Based on DDW's review of this CCCP, the City has demonstrated compliance with the CCCP requirements of the Cross-Connection Control Policy Handbook (CCCPH), effective July 1, 2024. DDW has approved this CCCP.

Per the CCCPH, the City is required to submit an updated CCCP to DDW at any time substantial revisions are made to the CCCP.

If you have any questions, please contact our office at (805) 566-1326.

Sincerely,

Jason Cunningham, P.E., District Engineer
Santa Barbara District
Division of Drinking Water
State Water Resources Control Board

ORDINANCE NO. 25-0383

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF SOLVANG, CALIFORNIA AMENDING CHAPTER 4 (CROSS CONNECTION PLAN) OF TITLE 9 (WATER AND SEWER) OF THE SOLVANG MUNICIPAL CODE TO UPDATE THE CITY'S CROSS CONNECTION PROGRAM AND MAKING A DETERMINATION OF EXEMPTION UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

WHEREAS, on December 19, 2023, as amended on March 19, 2025, in accordance with Health and Safety Code Section 116407, the State Water Resources Control Board (SWRCB) adopted a Cross-Connection Control Policy Handbook (CCCPH) to establish standards and principles for California's public water systems, effective July 1, 2024, which replaces regulations previously contained in Title 17 of the California Code of Regulations; and

WHEREAS, pursuant to the CCCPH, each public water system must have a cross-connection program and operating rules, ordinances, bylaws, or a resolution to implement that cross-connection program and submit the program to the Division of Drinking Water of the State Water Resources Control Board by July 1, 2025; and

WHEREAS, the City of Solvang has prepared a Cross-Connection Control Plan ("CCC Plan") pursuant to the amended CCCPH; and

WHEREAS, in order to maintain compliance with the CCCPH and the CCC Plan, the City of Solvang City Council wishes to amend Chapter 4, Cross Connection Program, of Title 9, Water and Sewer, of the Solvang Municipal Code.

NOW, THEREFORE, the people of the charted City of Solvang do ordain as follows:

SECTION 1. Chapter 4 (Cross Connection Program) of Title 9 (Water and Sewer) is hereby amended in its entirety to read as follows:

Chapter 4. Cross Connection Program

9-4-1 Purpose.
9-4-2 Responsibility and administration.
9-4-3 Definitions.
9-4-4 Hazard assessment.
9-4-5 Cross connection protection requirements.
9-4-6 Backflow prevention assemblies.
9-4-7 Backflow prevention assembly testing.
9-4-8 Water service termination.
9-4-9 Hearing.

9-4-1 Purpose.

This chapter is adopted pursuant to the State Water Resources Control Board's Cross-Connection Control Policy Handbook (CCCPH), and the purpose of this chapter is: (1) to protect the public water supply against actual or potential cross connection by isolating within the premises contamination that may occur because of some undiscovered or unauthorized cross connection on the premises; (2) to eliminate existing connections between drinking water systems and other sources of water that are not approved as safe and potable for human consumption; (3) to eliminate cross connections between drinking water systems and actual or potential sources of contamination; and (4) to prevent the making of cross-connections in the future. This shall be accomplished by the establishment of a cross-connection control program as required by state regulations.

9-4-2 Responsibility and administration.

The City Manager or designee shall be responsible for implementing, enforcing and administering the cross-connection control program. An appropriate backflow prevention assembly shall be installed by and at the expense of the property owner, or water user at each user connection where required to prevent backflow from the water user's premises to the domestic water system. It shall be the user's responsibility to comply with City requirements.

9-4-3 Definitions.

As used in this chapter:

Air-Gap Separation (AG). A physical separation of at least two (2) times the effective pipe diameter between the free-flowing discharge end of a potable water supply pipeline and the flood level of an open or non-pressurized receiving vessel and in no case less than one (1) inch.

Approved Water Supply. A water source that has been approved by the State Water Board for domestic use in a public water system and designated as such in a domestic water supply permit issued pursuant to section 116525 of the CHSC.

Auxiliary Water Supply. Any water supply located on the premises of, or available to, the water user other than the approved water supply.

Backflow. A flow condition, caused by a differential in pressure, that causes the undesired or unintended reversal of flow of water or other liquids, gases, mixtures or substances into the distributing pipes of a potable supply of water from any source or sources other than an approved water supply source. Back siphonage is one cause of backflow, back pressure is the other cause.

Backflow Prevention Assembly. A mechanical assembly designed and constructed to prevent backflow, such that while in-line it can be maintained and its ability to prevent backflow, as designed, can be field tested, inspected and evaluated.

Backflow Prevention Assembly Tester. A person who is certified as a backflow prevention assembly tester.

Contamination. A degradation of the quality of the potable water by any foreign substance which interferes with the usefulness or quality of the water.

Cross-Connection. Any actual or potential connection or structural arrangement between a potable water system used to supply water for drinking purposes, including a piping system connected to the public water system and located on the premises of a water user or available to the water user, and any source or systems containing unapproved water or a substance that is not or cannot be approved safe, wholesome and potable. Bypass arrangements, jumper connections, removable sections, swivel or changeover devices or other devices through which backflow could occur, shall be considered cross connections.

Cross-Connection Control Specialist. A person who is certified as a cross-connection control specialist pursuant to section 3.4.2 of the CCCPH.

Distribution System. As defined in section 63750.50 of CCR, Title 22, Division 4, Chapter 13, any combination of pipes, tanks, pumps, etc., which delivers drinking water from a source or treatment facility to the consumer.

Double Check Detector Backflow Prevention Assembly (DCDA). A double check valve backflow prevention assembly that includes a bypass with a water meter and double check backflow prevention

assembly, with the bypass's water meter accurately registering flow rates up to two gallons per minute and visually showing a registration for all rates of flow.

Double Check Valve Backflow Prevention Assembly (DC). An assembly composed of two independently acting and internally-loaded check valves, including tightly closing resilient seated shutoff valves attached at each end of the assembly and fitted with properly located resilient seated test cocks that enable accurate field testing of the assembly.

Hazard Assessment. An evaluation of a user premises designed to evaluate the types and degrees of hazard at a user's premises.

High Hazard Cross-Connection. A cross-connection that poses a threat to the potability or safety of the public water supply. Materials entering the public water supply through a high hazard cross-connection are contaminants or health hazards.

Low Hazard Cross-Connection. A cross-connection that has been found to not pose a threat to the potability or safety of the public water supply but may adversely affect the aesthetic quality of the potable water supply. Materials entering the public water supply through a low hazard cross-connection are pollutants or non-health hazards.

Health Agency. The California Department of Health Services, or the local health agency with respect to a small water system.

Premises Containment. The protection of a public water system's distribution system from backflow from a user's premises through the installation of one or more air gaps or BPAs, installed as close as practical to the user's service connection, in a manner that isolates the water user's water supply from the public water system's distribution system.

Pressure Vacuum Breaker Backsiphonage Prevention Assembly (PVB). An assembly containing an independently-operating internally-loaded check valve and an independently-acting loaded air inlet valve located on the discharge side of the check valve. The assembly is to be equipped with properly located resilient seated test cocks and tightly closing resilient seated shut off valves attached at each end of the assembly that enable accurate field testing of the assembly.

Public Water System (PWS). A system for the provision of piped water to the public for human consumption.

Reclaimed/Recycled Water. Wastewater which, as a result of treatment, is suitable for uses other than potable use.

Reduced Pressure Principle Backflow Prevention Assembly (RP). An assembly containing two independently acting internally-loaded check valves together with a hydraulically operating, mechanically independent pressure differential relief valve located between the check valves and at the same time below the upstream check valve. The unit shall include properly located resilient seated test cocks and tightly closing resilient seated shutoff valves at each end of the assembly to enable accurate field testing of the assembly.

Reduced Pressure Principle Detector Backflow Prevention Assembly (RPDA). An RP that includes a bypass with a water meter and RP, with the bypass's water meter accurately registering flow rates up to two gallons per minute and visually showing a registration for all rates of flow.

User Premises. Any and all areas on a water user's or customer's property which is served or has the potential to be served by the public water system.

User's Service Connection. The point of connection of user's piping to the water supplier's facilities (water meter).

Water Supplier. A person or entity who owns or operates a public water system.

Water User. Any person obtaining water from an approved water supply system.

9-4-4 Hazard assessment.

The Water Division shall evaluate the degree of potential health hazard to the potable water distribution system, which may result from conditions existing on a water user's premises. The Water Division, however, shall not be responsible for abatement of cross-connections, which may exist within a water user's premises. As a minimum, the evaluation should consider the existence of cross-connections, the type and use of materials handled or likely to be present on the property, the probability of a backflow occurring, distribution system conditions that increase the likelihood of backflow events (such as hydraulic gradient differences impacted by main breaks and high water demand conditions), the degree of piping system complexity and accessibility, the potential for piping system modification. Special consideration shall be given to the premises of the following types of water users:

A. Premises where substances harmful to health are handled under pressure in a manner that could permit their entry into the potable water distribution system. This includes chemical or biological process waters and water from potable water distribution system supplies that have deteriorated in sanitary quality.

B. Premises having an auxiliary water supply, unless the auxiliary water supply is accepted as an additional source by the Water Division and is approved by the State Water Board.

C. Premises that have internal cross-connections that are not abated to the satisfaction of the City or the Santa Barbara County Department of Public Health.

D. Premises where cross-connections are likely to occur and entry is restricted so that cross-connection inspections cannot be made with sufficient frequency or at sufficiently short notice to assure that cross-connections do not exist. Such premises will be required to have cross-connection protection meeting the requirements of Section 9-4-5.

E. Premises having a repeated history of cross-connections being established or re-established.

9-4-5 Cross connection protection requirements.

It is unlawful for any person at any time to make or maintain or cause to be made or maintained, temporarily or permanently, for any period of time whatsoever, any cross connection between plumbing pipes or water fixtures being served with water by the City any other source of water supply or to maintain any sanitary fixture or other appurtenances or fixtures which by reason of their construction may cause or allow backflow of water, auxiliary supply or other substances into the water supply system of the City and/or the service pipes or fixtures of any consumer of the City.

A. The type of protection that shall be provided to prevent backflow into the approved water supply system shall be commensurate with the degree of hazard, actual or potential, that exists on the water user's premises.

B. Unprotected cross connections with the public water supply system are prohibited.

C. Whenever backflow protection has been found necessary, the City will require the water user to install an approved backflow prevention assembly by and at his or her expense for continued water services or before a new service will be granted.

D. Wherever backflow protection has been found necessary on an approved water supply line entering a water user's premises, then any and all water supply lines from the City mains entering such premises, buildings or structures shall be protected by an approved backflow prevention assembly. The type of backflow prevention assembly to be installed will be in accordance with the requirements of this chapter.

E. Each service connection from the City water system for supplying water to any premises on which any substance is handled in such fashion as may allow its entry into the water system shall be protected against backflow of the water from the premises into the public system. This shall include the handling of process waters and waters originating from the City which have been subjected to deterioration in sanitary quality.

F. Backflow prevention assemblies shall be installed as close as practical to the meter box and public right-of-way to any premises having:

1. internal cross connections that cannot be permanently corrected and controlled to the satisfaction of the health agency and the City; or

2. intricate plumbing and piping arrangements or where accessible for inspection purposes, making it impracticable or impossible to ascertain whether or not cross connections exist; or

3. use of reclaimed/recycled water. Backflow prevention assemblies shall also be installed as close as practical to the meter box and public right-of-way for all commercial, industrial, and irrigation water service connections.

G. Backflow prevention assemblies used for internal protection in lieu of service protection shall be approved by the City. All approved assemblies shall have successfully passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated their competency to perform such tests to the California Department of Health Services.

H. The City shall be notified of changes of or additions to the internal plumbing of the premises, to include the addition or replacement of any water using equipment prior to issuance of a land use permit by the City.

I. All internal backflow prevention assemblies shall be tested and maintained in accordance with this chapter.

J. The types of backflow prevention assemblies that may be required include AG, RP, RPDA, DC, and DCDA. The water user may choose a higher level of protection than required by the City.

9-4-6 Backflow prevention assemblies.

Only backflow prevention assemblies which have been approved by the City shall be acceptable for installation by the water user. A list of approved backflow prevention assemblies will be provided upon request to any affected customer. The installation of these approved assemblies must be done as follows. In order to perform any installations on the following types of assemblies, the user must possess one of the following license classifications:

A. Domestic.
1. Plumbing (c-36)

2. General engineering (a)

3. Limited specialty (c-61/d-64)

B. Landscape Irrigation.
1. Plumbing (c-36)

2. General engineering (a)

3. Limited specialty (c-61/d-64)

4. Landscape (c-27)

C. Fire Sprinkler System.
    1. Plumbing (c-36)
    2. General engineering (a)
    3. Limited specialty (c-61/d-64)
    4. Fire sprinkler (c-16)

The testing, repair or maintenance of backflow prevention assemblies may be performed by certified backflow prevention assembly testers. The owners of any premises on which, or on account of which, backflow prevention assemblies are installed, shall have the backflow prevention assemblies tested by a certified backflow prevention assembly tester who has demonstrated their competency in testing of these backflow prevention assemblies to the City. Backflow prevention assemblies must be tested at least annually and immediately after installation, relocation or repair. The City may require a more frequent testing schedule if it is determined to be necessary. No backflow prevention assembly shall be placed back in service unless it is functioning as required. A report in a form acceptable to the City shall be filed with the City each time a backflow prevention assembly is tested, re-located or repaired. It is the water user's responsibility to make sure the testers' report form is filed with the City by the required time period. All backflow prevention assemblies shall be serviced, overhauled or replaced whenever they are found to be defective and all costs of testing, repair and maintenance shall be borne by the water user.

9-4-7 Backflow prevention assembly training.

A. The City will establish and maintain a list of approved backflow prevention assemblies and an approved certified testers list. The City shall conduct necessary surveys of water user premises to evaluate the degree of potential health hazards. The City shall notify the water user when their assembly needs to be tested. A notice to test will be sent by mail and will have the date the test shall be completed. The water user shall supply proof to the City by such date that the assembly has passed the test. If the test is not completed and proof supplied to the City by the date on the notice to test a final notice will be sent. If the test is not completed and proof supplied to the City within the time set forth in the final notice, then a noncompliance notice will be sent. If the backflow prevention assembly has not been tested and proof of compliance has not been supplied to the City by the date set forth on the noncompliance notice, water service will be terminated on such date unless the user has filed a written request for a hearing on the matter prior to the date set forth on the noncompliance notice. The hearing will be held within 10 days of the written request pursuant to Section 9-4-9. If it is determined that the water user’s water service is a threat to the City’s water system because of the existence of any condition listed in Section 9-4-8(B), then the hearing officer shall order the water service terminated. A failure to appear at the hearing will be deemed an admission that such conditions do exist and shall result in termination of the water service. A reconnect fee in an amount established by resolution of City Council will be charged before the service is reconnected. The water supply to the address will be discontinued until the backflow prevention assembly is tested and certified as functioning properly.

B. The purpose of this chapter is to outline the requirements of the City with regard to persons who test backflow prevention assemblies within the City limits. This procedure is in accordance with this chapter. The following requirements are hereby established:

    1. Each applicant shall file with the City a valid photocopy of their certification from a certifying organization.

2. Each applicant shall furnish evidence to show that he or she has the necessary tools and equipment to properly test backflow prevention assemblies.

3. Each applicant shall furnish evidence to show his or her test gauges have been recalibrated, and/or the calibration checked within one year of the application date. Every year thereafter, each applicant will submit the written proof that his or her test gauges have been recalibrated and/or the calibration checked for accuracy by a certified agency.

4. Each applicant shall at any time have his or her certification revoked, suspended or not renewed by the City for improper testing, repairs, reporting and/or violating any of or part of this chapter.

9-4-8 Water service termination.

A. General. When the City encounters a water customer that represents a clear and immediate hazard to the potable water supply that cannot be immediately abated, the City shall institute the following procedures for discontinuing the City's water service to said customer.

B. Basis for Termination. Conditions that create a basis for water service termination shall include, but are not limited to, the following items:

1. Refusal to install a required backflow prevention assembly.

2. Refusal to test a backflow prevention assembly.

3. Refusal to repair a faulty backflow prevention assembly.

4. Refusal to replace a faulty backflow prevention assembly.

5. Direct or indirect connection between the public water system and a sewer line or other nonpotable line.

6. Unprotected direct or indirect connection between the public water system and a system or equipment containing contaminants.

7. Unprotected direct or indirect connection between the public water system and an auxiliary water system.

8. A situation which presents an immediate health hazard to the public water system.

C. Water Service Termination Procedures. The water service will be terminated at the address where the backflow device is located if any of the conditions set forth in subsection B of this section exist and are not corrected by the date set forth in the noncompliance notice, and if the water user does not file a timely appeal from the noncompliance notice, as set forth in section 9-4-7(A) of this chapter. If water service is terminated, the water service will remain inactive until correction of violations has been approved by the City.

9-4-9 Hearing.

If a noncompliance notice has been served and a timely appeal has been filed with the City pursuant to section 9-4-6, a hearing shall be held before the City Manager or designee at the time and place set forth by the City Manager and within 10 days of the written request for a hearing. At such hearing, the appellant shall present evidence to prove that none of the conditions set forth in section 9-4-8(B) of this chapter exist. The failure of the appellant to appear for the hearing shall be deemed an admission that such conditions do exist. At the conclusion of the hearing, the City Manager shall determine, based upon the evidence presented, whether any of the conditions set forth in section 9-4-8(B) of this chapter

exist. If any such conditions exist or the appellant fails to appear for the hearing, the City Manager shall order termination of the water service.

SECTION 2. This Ordinance has been reviewed for compliance with the California Environmental Quality Act (CEQA), the CEQA Guidelines (Title 14, Division 6, Chapter 3 of the California Code of Regulations), and the City's environmental procedures. The City has determined that this Ordinance is exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) because it can be seen with certainty that there is no possibility the passage of this Ordinance will result in a direct or reasonably foreseeable indirect physical change in the environment nor have a significant effect on the environment.

SECTION 3. If any section, subsection, sentence, clause or phrase of this Ordinance is held to be invalid or unconstitutional by a decision of a court of competent jurisdiction or preempted by State or Federal legislation, such decision or legislation shall not affect the validity of the remaining provisions of this Ordinance.

SECTION 4. This Ordinance shall become effective 30 days after its adoption.

SECTION 5. The City of Solvang is a Charter City and has adopted its own rules for summarizing and posting ordinances once they are adopted. A summary of this Ordinance will be prepared by the City Attorney. The summary will be posted in three locations after adoption as directed in the Solvang Municipal Code. A true and correct copy of the full ordinance together with a record of the vote of each council member shall be kept by the City Clerk.

PASSED, APPROVED, AND ADOPTED on this 11 day of August, 2025.

_____
David Brown, Mayor

APPROVED AS TO FORM:

_____
Chelsea O'Sullivan, City Attorney

ATTEST:

_____
Annamarie Porter, City Clerk

STATE OF CALIFORNIA)
COUNTY OF SANTA BARBARA)ss
CITY OF SOLVANG)

I, Annamarie Porter, City Clerk of the City of Solvang, California do hereby certify that the foregoing Ordinance No. 25-0383 was duly introduced at a regular meeting of the City Council held on the 14th day of July, 2025, and was duly adopted at a regular meeting of said City Council held on the 11 day of August 2025, and thereafter signed and approved by the Mayor and attested by the City Clerk, and that said Ordinance was adopted by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
Annamarie Porter, City Clerk

CHAPTER 4
CROSS CONNECTION PROGRAM

§ 9-4-1. Purpose.

This chapter is adopted pursuant to the ~~administrative code, title 17 sections 7583 through 7605, public health entitled "regulations relating to cross-connections,"~~State Water Resources Control Board's Cross-Connection Control Policy Handbook (CCCPH), and the purpose of this chapter is: (1) to protect the public water supply against actual or potential cross connection by isolating within the premises contamination that may occur because of some undiscovered or unauthorized cross connection on the premises; (2) to eliminate existing connections between drinking water systems and other sources of water that are not approved as safe and potable for human consumption; (3) to eliminate cross connections between drinking water systems and actual or potential sources of contamination; and (4) to prevent the making of cross-connections in the future. This shall be accomplished by the establishment of a cross-connection control program as required by state regulations.
(Ord. 16-318, 2016)

§ 9-4-2. Responsibility and administration.

The ~~city manager~~City Manager or designee shall be responsible for implementing, enforcing and administering the cross-connection control program. An appropriate backflow prevention assembly shall be installed by and at the expense of the property owner, or water user at each user connection where required to prevent backflow from the water user's premises to the domestic water system. It shall be the user's responsibility to comply with ~~city~~City requirements.
(Ord. 16-318, 2016)

§ 9-4-3. Definitions.

As used in this chapter:

~~Air Gap Separation. Refers to a~~ Air-Gap Separation (AG). A physical separation of at least two (2) times the effective pipe diameter between the free-flowing discharge end of a potable water supply pipeline and the flood level of an open or ~~nonpressure~~non-pressurized receiving vessel~~. An "approved air gap" shall be at least double the diameter of the supply pipe measured vertically above the overflow rim of the vessel~~ and in no case less than one (1) inch.

~~Approved Backflow Prevention Assembly. Assemblies which have passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated its competency to perform such tests to the California Department of Health Services.~~

~~Approved Water Supply. Refers to any water supply whose potability is regulated by a state or local health agency.~~

~~Auxiliary Supply.~~Approved Water Supply. A water source that has been approved by the State Water Board for domestic use in a public water system and designated as such in a domestic water supply permit issued pursuant to section 116525 of the CHSC.

Auxiliary Water Supply. Any water supply located on the premises of, or available to, the ~~premises~~water user other than the approved water supply.

~~AWWA Standard. Refers to an official standard developed and approved by the American Water Works Association (AWWA).~~

~~Backflow.~~Backflow. A flow condition, caused by a differential in pressure, that causes the undesired or unintended reversal of flow of water or other liquids, gases, mixtures or substances into the distributing pipes of a potable supply of water from any source or sources other than an approved water supply source. Back siphonage is one cause of backflow, back pressure is the other cause.

~~Contamination. Refers to a~~Backflow Prevention Assembly. A mechanical assembly designed and constructed to prevent backflow, such that while in-line it can be maintained and its ability to prevent backflow, as designed, can be field tested, inspected and evaluated.

Backflow Prevention Assembly Tester. A person who is certified as a backflow prevention assembly tester.

Contamination. A degradation of the quality of the potable water by any foreign substance which interferes with the usefulness or quality of the water.

~~Cross Connection.~~Cross-Connection. Any ~~unprotected~~ actual or potential connection or structural arrangement between a potable water system used to supply water for drinking purposes, including a piping system connected to the public water system and located on the premises of a water user or available to the water user, and any source or systems containing unapproved water or a substance that is not or cannot be approved safe, wholesome and potable. Bypass arrangements, jumper connections, removable sections, swivel or changeover devices or other devices through which backflow could occur, shall be considered ~~to be~~ cross connections.

~~Double Check Valve Assembly. Refers~~Cross-Connection Control Specialist. A person who is certified as a cross-connection control specialist pursuant to ~~an~~section 3.4.2 of the CCCPH.

Distribution System. As defined in section 63750.50 of CCR, Title 22, Division 4, Chapter 13, any combination of pipes, tanks, pumps, etc., which delivers drinking water from a source or treatment facility to the consumer.

Double Check Detector Backflow Prevention Assembly (DCDA). A double check valve backflow prevention assembly that includes a bypass with a water meter and double check backflow prevention assembly, with the bypass's water meter accurately registering flow rates up to two gallons per minute and visually showing a registration for all rates of flow.

Double Check Valve Backflow Prevention Assembly (DC). An assembly composed of two independently acting~~, approved~~ and internally-loaded check valves, including tightly closing resilient seated shutoff valves attached at each end of the assembly and fitted with properly located resilient seated test cocks that enable accurate field testing of the assembly.

~~Health Agency.~~Hazard Assessment. An evaluation of a user premises designed to evaluate the types and degrees of hazard at a user's premises.

High Hazard Cross-Connection. A cross-connection that poses a threat to the potability or safety of the public water supply. Materials entering the public water supply through a high hazard cross-connection are contaminants or health hazards.

Low Hazard Cross-Connection. A cross-connection that has been found to not pose a threat to the potability or safety of the public water supply but may adversely affect the aesthetic quality of the potable water supply. Materials entering the public water supply through a low hazard cross-connection are pollutants or non-health hazards.

Health Agency. The California Department of Health Services, or the local health agency with respect to a small water system.

~~Premises. Refers to any and all areas on a customer's property which is served or has the potential to~~

~~be served by the public water system.~~

~~Pressure Vacuum Breaker. Refers to an~~Premises Containment. The protection of a public water system's distribution system from backflow from a user's premises through the installation of one or more air gaps or BPAs, installed as close as practical to the user's service connection, in a manner that isolates the water user's water supply from the public water system's distribution system.

Pressure Vacuum Breaker Backsiphonage Prevention Assembly (PVB). An assembly containing an independently~~-~~operating internally~~-~~loaded check valve and an independently~~-~~acting loaded air inlet valve located on the discharge side of the check valve. The assembly is to be equipped with properly located resilient seated test cocks and tightly closing resilient seated shut off valves attached at each end of the assembly~~.~~ that enable accurate field testing of the assembly.

~~Public Water Supply System.~~Public Water System (PWS). A system for the provision of piped water to the public for human consumption.

~~Reclaimed/Recycled Water. Refers to wastewater~~Reclaimed/Recycled Water. Wastewater which, as a result of treatment, is suitable for uses other than potable use.

~~Reduced Pressure Principle Backflow Prevention Assembly. Refers to an~~Reduced Pressure Principle Backflow Prevention Assembly (RP). An assembly containing two independently acting ~~approved~~internally-loaded check valves together with a hydraulically operating, mechanically independent pressure differential relief valve located between the check valves and at the same time below the ~~first~~upstream check valve. The unit shall include properly located resilient seated test cocks and tightly closing resilient seated shutoff valves at each end of the assembly~~.~~ to enable accurate field testing of the assembly.

~~Service Connection. Refers~~Reduced Pressure Principle Detector Backflow Prevention Assembly (RPDA). An RP that includes a bypass with a water meter and RP, with the bypass's water meter accurately registering flow rates up to ~~the~~two gallons per minute and visually showing a registration for all rates of flow.

User Premises. Any and all areas on a water user's or customer's property which is served or has the potential to be served by the public water system.

User's Service Connection. The point of connection of user's piping to the water supplier's facilities (water meter).

~~Water User. Refers to any~~Water Supplier. A person or entity who owns or operates a public water system.

Water User. Any person obtaining water from an approved water supply system.
(Ord. 16-318, 2016)

§ 9-4-4. Hazard Assessment.

The Water Division shall evaluate the degree of potential health hazard to the potable water distribution system, which may result from conditions existing on a water user's premises. The Water Division, however, shall not be responsible for abatement of cross-connections, which may exist within a water user's premises. As a minimum, the evaluation should consider the existence of cross-connections, the type and use of materials handled or likely to be present on the property, the probability of a backflow occurring, distribution system conditions that increase the likelihood of backflow events (such as hydraulic gradient differences impacted by main breaks and high water demand conditions), the degree of piping system complexity and accessibility, the potential for

piping system modification. Special consideration shall be given to the premises of the following types of water users:

(1) Premises where substances harmful to health are handled under pressure in a manner that could permit their entry into the potable water distribution system. This includes chemical or biological process waters and water from potable water distribution system supplies that have deteriorated in sanitary quality.

(2) Premises having an auxiliary water supply, unless the auxiliary water supply is accepted as an additional source by the Water Division and is approved by the State Water Board.

(3) Premises that have internal cross-connections that are not abated to the satisfaction of the City or the Santa Barbara County Department of Public Health.

(4) Premises where cross-connections are likely to occur and entry is restricted so that cross-connection inspections cannot be made with sufficient frequency or at sufficiently short notice to assure that cross-connections do not exist. Such premises will be required to have cross-connection protection meeting the requirements of Section 9-4-5.

(5) Premises having a repeated history of cross-connections being established or re-established.

§ 9-4-5. Cross connection protection requirements.

It is unlawful for any person at any time to make or maintain or cause to be made or maintained, temporarily or permanently, for any period of time whatsoever, any cross connection between plumbing pipes or water fixtures being served with water by the ~~city~~City any other source of water supply or to maintain any sanitary fixture or other appurtenances or fixtures which by reason of their construction may cause or allow backflow of water, auxiliary supply or other substances into the water supply system of the ~~city~~City and/or the service pipes or fixtures of any consumer of the ~~city~~City.

A. The type of protection that shall be provided to prevent backflow into the approved water supply system shall be commensurate with the degree of hazard, actual or potential, that exists on the water user's premises.

B. Unprotected cross connections with the public water supply system are prohibited.

C. Whenever backflow protection has been found necessary, the ~~city~~City will require the water user to install an approved backflow prevention assembly by and at his or her expense for continued water services or before a new service will be granted.

D. Wherever backflow protection has been found necessary on an approved water supply line entering a water user's premises, then any and all water supply lines from the ~~city~~City mains entering such premises, buildings or structures shall be protected by an approved backflow prevention assembly. The type of backflow prevention assembly to be installed will be in accordance with the requirements of this chapter.

E. Each service connection from the ~~city~~City water system for supplying water to any premises on which any substance is handled in such fashion as may allow its entry into the water system shall be protected against backflow of the water from the premises into the public system. This shall include the handling of process waters and waters originating from the ~~city~~City which have been subjected to deterioration in sanitary quality.

F. Backflow prevention assemblies shall be installed as close as practical to the meter box and public right-of-way to any premises having:

(1) internal cross connections that cannot be permanently corrected and controlled to the

satisfaction of the health agency and the ~~city~~City; or

(2) intricate plumbing and piping arrangements or where accessible for inspection purposes, making it impracticable or impossible to ascertain whether or not cross connections exist; or

~~F.~~(3) use of reclaimed/recycled water. Backflow prevention assemblies shall also be installed as close as practical to the meter box and public right-of-way for all commercial, industrial, and irrigation water service connections.

G. Backflow prevention assemblies used for internal protection in lieu of service protection shall be approved by the ~~city~~City. All approved assemblies shall have successfully passed laboratory and field evaluation tests performed by a recognized testing organization which has demonstrated their competency to perform such tests to the California Department of Health Services.

H. The ~~city~~City shall be notified of changes of or additions to the internal plumbing of the premises, to include the addition or replacement of any water using equipment prior to issuance of a land use permit by the ~~city~~City.

I. All internal backflow prevention assemblies shall be tested and maintained in accordance with this chapter.

J. The types of backflow prevention assemblies that may be required include~~. air gap separation, reduced pressure principle backflow prevention assembly (~~ AG, RP~~), reduced pressure principle detector assembly, double check valve assembly, double check detector assembly, pressure vacuum breaker (PVB) assembly.~~, RPDA, DC, and DCDA. The water user may choose a higher level of protection than required by the ~~city~~City.

(Ord. 16-318, 2016)

§ 9-4-~~5~~6. Backflow prevention assemblies.

Only backflow prevention assemblies which have been approved by the ~~city~~City shall be acceptable for installation by the water user. A list of approved backflow prevention assemblies will be provided upon request to any affected customer. The installation of these approved assemblies must be done as follows. In order to perform any installations on the following types of assemblies, the user must possess one of the following license classifications:

A. Domestic.

1. Plumbing (c-36)
2. General engineering (a)
3. Limited specialty (c-61/d-64)

B. Landscape Irrigation.

1. Plumbing (c-36)
2. General engineering (a)
3. Limited specialty (c-61/d-64)
4. Landscape (c-27)

C. Fire Sprinkler System.

1. Plumbing (c-36)

2. General engineering (a)

3. Limited specialty (c-61/d-64)

4. Fire sprinkler (c-16)

The testing, repair or maintenance of backflow prevention assemblies may be performed by certified backflow prevention assembly testers. The owners of any premises on which, or on account of which, backflow prevention assemblies are installed, shall have the backflow prevention assemblies tested by a certified backflow prevention assembly tester who has demonstrated their competency in testing of these backflow prevention assemblies to the ~~city~~City. Backflow prevention assemblies must be tested at least annually and immediately after installation, relocation or repair. The ~~city~~City may require a more ~~frequent~~frequent testing schedule if it is determined to be necessary. No backflow prevention assembly shall be placed back in service unless it is functioning as required. A report in a form acceptable to the ~~city~~City shall be filed with the ~~city~~City each time a backflow prevention assembly is tested, ~~relocated~~re-located or repaired. It is the water user's responsibility to make sure the testers' report form is filed with the ~~city~~City by the required time period. All backflow prevention assemblies shall be serviced, overhauled or replaced whenever they are found to be defective and all costs of testing, repair and maintenance shall be borne by the water user.

(Ord. 16-318, 2016)

§ 9-4-~~6~~7. Backflow prevention assembly testing.

A. ~~A. The city~~The City will establish and maintain a list of approved backflow prevention assemblies and an approved certified testers list. The ~~city~~City shall conduct necessary surveys of water user premises to evaluate the degree of potential health hazards. The ~~city~~City shall notify the water user when their assembly needs to be tested. A notice to test will be sent by mail and will have the date the test shall be completed. The water user shall supply proof to the ~~city~~City by such date that the assembly has passed the test. If the test is not completed and proof supplied to the ~~city~~City by the date on the notice to test a final notice will be sent. If the test is not completed and proof supplied to the ~~city~~City within the time set forth in the final notice, then a noncompliance notice will be sent. If the backflow prevention assembly has not been tested and proof of compliance has not been supplied to the ~~city~~City by the date set forth on the noncompliance notice, water service will be terminated on such date unless the user has filed a written request for a hearing on the matter prior to the date set forth on the noncompliance notice. The hearing will be held within 10 days of the written request~~.~~ pursuant to Section 9-4-9. If it is determined that the water user's water service is a threat to the ~~city's~~City's water system because of the ~~backflow prevention assembly, or lack thereof,~~existence of any condition listed in Section 9-4-8(B), then the hearing officer shall order the water service terminated. A failure to appear at the hearing will be deemed an admission that such conditions do exist and shall result in termination of the water service. A reconnect fee in an amount established by resolution of ~~city council~~City Council will be charged before the service ~~will be~~is reconnected. The water supply to the address will be discontinued until the backflow prevention assembly is tested and certified as functioning properly.

B. ~~B.~~ The purpose of this chapter is to outline the requirements of the ~~city~~City with regard to persons who test backflow prevention assemblies within the ~~city~~City limits. This procedure is in accordance with this chapter ~~and administrative code, title 17 section 7605(b).~~ The following requirements are hereby established:

1. Each applicant shall file with the ~~city~~City a valid photocopy of their certification from

~~the counties of Santa Barbara, Ventura, San Luis Obispo or the American Water Works Association (AWWA) as a certified backflow tester~~a certifying organization.

2. Each applicant shall furnish evidence to show that he or she has the necessary tools and equipment to properly test backflow prevention assemblies.

3. Each applicant shall furnish evidence to show his or her test gauges have been recalibrated, and/or the calibration checked within ~~two years~~one year of the application date. Every ~~two years~~year thereafter, each applicant will submit the written proof that his or her test gauges have been recalibrated and/or the calibration checked for accuracy by a certified agency.

4. Each applicant shall at any time have his or her certification revoked, suspended or not renewed by the ~~city~~City for improper testing, repairs, reporting and/or violating any of or part of this chapter.

(Ord. 16-318, 2016; Ord. 23-0373, § 41)

§ 9-4-~~7~~8. Water service termination.

A. ~~A.~~ General. When the ~~city~~City encounters a water customer that represents a clear and immediate hazard to the potable water supply that cannot be immediately abated, the ~~city~~City shall institute the following procedures for discontinuing the ~~c~~City's water service to said customer.

~~A.~~B. Basis for Termination. Conditions that create a basis for water service termination shall include, but are not limited to, the following items:

1. Refusal to install a required backflow prevention assembly.

2. Refusal to test a backflow prevention assembly.

3. Refusal to repair a faulty backflow prevention assembly.

4. Refusal to replace a faulty backflow prevention assembly.

5. Direct or indirect connection between the public water system and a sewer line or other nonpotable line.

6. Unprotected direct or indirect connection between the public water system and a system or equipment containing contaminants.

7. Unprotected direct or indirect connection between the public water system and an auxiliary water system.

8. A situation which presents an immediate health hazard to the public water system.

~~B.~~C. Water Service Termination Procedures. The water service will be terminated at the address where the backflow device is located if any of the conditions set forth in subsection ~~B~~B of this section exist and are not corrected by the date set forth in the noncompliance notice, and if the water user does not file a timely appeal from the noncompliance notice, as set forth in section 9-4-~~6~~7(A) of this chapter. If water service is terminated, the water service will remain inactive until correction of violations has been approved by the ~~city~~City.

(Ord. 16-318, 2016)

§ 9-4-~~8~~9. Hearing.

If a noncompliance notice has been served and a timely appeal has been filed with the ~~city~~City pursuant to section 9-4-6, a hearing shall be held before the ~~city manager~~City Manager or designee

at the time and place set forth by the ~~city manager~~City Manager and within 10 days of the written request for a hearing. At such hearing, the appellant shall present evidence to prove that none of the conditions set forth in section 9-4-~~7~~8(B) of this chapter exist. The failure of the appellant to appear for the hearing shall be deemed an admission that such conditions do exist. At the conclusion of the hearing, the ~~city manager~~City Manager shall determine, based upon the evidence presented, whether any of the conditions set forth in section 9-4-~~7~~8(B) of this chapter exist. If any such conditions exist~~,~~ or the ~~city manager~~appellant fails to appear for the hearing, the City Manager shall order termination of the water service.
(Ord. 16-318, 2016)

CITY COUNCIL STAFF REPORT

AGENDA ITEM 8.b

Meeting Date: July 14, 2025

SUBJECT: **Approve an Agreement with Willdan Engineering for building plan review, building inspection, building official services, and as needed engineering review for time and materials to exceed $300,000 for the term July 14, 2025 - June 30, 2027 and authorize the Mayor to execute on behalf of the City**

Approve an Agreement with 4Leaf for building plan review, building inspection, building official services, and engineering review on an "on-call" basis for time and materials not to exceed $50,000 for the term July 14, 2025 - June 30, 2027 and authorize the Mayor to execute on behalf of the City

PREPARED BY: Rafael Castillo, AICP, Community Development Director

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DISCUSSION:
City staff completed a Request for Proposals (RFP) in May 2025 for building plan check review, inspection, building official services, and as needed reviews for public works projects. City staff received eight (8) proposals for these services. Currently, Willdan Engineering is providing these services, with the exception of Public Works/Engineering reviews. As a part of the previous contract, Willdan receives 80% of the plan check fees, and staff is paid hourly rates. As a part of its newly adopted fee schedule, building review and inspections fees were restructured to ensure applicants who utilize these services pay full cost recovery, and fees are based on project sizes versus previously utilized "valuation" or cost of construction. Therefore, smaller projects should cost less to review, and larger projects will cost more.

Upon careful consideration, staff has selected Willdan Engineering to continue providing building services for the City. Since their initial contract, they have provided building plan review, inspections, and counter service. Their team provides inspection services Tuesday and Thursdays due to a low amount of building permits issued and the City's size. In fiscal year 2023-2024, Willdan was paid a total of $189,309.13 for services. This amount was reduced in the fiscal year 2024-2025 to $107,393.27 through June 1, 2025. This is a reduction of 43% from the previous fiscal year as the Community Development Department added a Development Services Technician (DST) and expanded counter coverage. The Willdan Engineering Team has been integral in transitioning services to City staff assisting in training its DST, while providing timely expertise on various permits. Willdan has also worked with staff on streamlining the entitlement and building permits process. The previous contract was for an amount not-to-exceed (NTE) $200,000. This has been reduced to $150,000 for each year through June 30, 2027.

In addition to selecting Willdan Engineering, staff recommends an additional "on-call" contract with 4Leaf. It will allow city staff to utilize building plan check review, inspection, and engineering review on an "as needed" basis to ensure the City is receiving the best possible service, as well as provide an alternative company to perform plan checks for certain projects. Both contracts are compensated on a time and materials basis, so it is likely that the entire amount will not be expended. The 4Leaf contract amount has been set to NTE $50,000 for each fiscal year through June 30, 2027.

ALTERNATIVES:
None. City staff lacks sufficient expertise in plan review and the various inspection services that are required by the California Building Code. By extending contracts to two different companies, with Willdan as the primary company receiving work and 4Leaf as "on-call", the City will have greater flexibility and coverage for the legally required building services.

FISCAL IMPACT:
The fiscal impact is up to $200,000, which is currently budgeted for in the 2025-2026 fiscal year and costs incurred are recovered through permit and inspection fees. The $200,000 has been budgeted based on previous year charges, but as of July 1, 2025, the city revised its fee schedule to recapture these expenditure.

ATTACHMENTS:
A – Wildan Engineering Contract
B – 4-Leaf Contract

CITY OF SOLVANG
PROFESSIONAL SERVICES AGREEMENT

PARTIES AND DATE. This Agreement is made and entered into **this 14th** day of **July, 2025** ("Effective Date") by and between the **CITY OF SOLVANG**, a Municipal Corporation and Charter City organized under the Constitution and laws of the State of California with its principal place of business at 1644 Oak Street, Solvang, CA 93463 ("City") and **WILLDAN ENGINEERING**, a California Corporation with its principal place of business at 2401 E. Katella Avenue, Suite 300, Anaheim, CA 92806 ("Consultant"). City and Consultant are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement. The parties hereto, in consideration of the mutual covenants contained herein, hereby agree to the following terms and conditions:

1.0 GENERAL PROVISIONS

1.01 **Term**: This agreement will become effective on the date of execution set forth below, and will continue in effect until terminated as provided herein.

1.02 **Services** : Consultant shall perform the **scope of work (tasks)** described and set forth in **Exhibit A**, attached hereto and incorporated herein as though set forth in full. Consultant shall complete the tasks according to the **project schedule** which is also set forth in **Exhibit A**.

Consultant shall determine the method, details and means of performing the above-referenced services.

Consultant may, at their own expense, employ such assistants and subconsultants, as Consultant deems necessary to perform the services required of Consultant by this agreement. However, Consultant may not assign this agreement to any other person or entity in the performance of required project-related services, and the City may not control, direct or supervise Consultant's assistants or employees in the performance of those services.

1.03 **Standard of Performance:** Consultant's services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant's profession currently practicing under similar conditions. Whenever the scope of work requires or permits approval by the City, it is understood to be approval solely for the purposes of conforming to the requirements of the scope of work and not acceptance of any professional or other responsibility for the work. Such approval does not relieve the Consultant of responsibility for complying with the standard of performance or laws, regulations, industry standards, or from liability for damages caused by negligent acts, errors, omissions, noncompliance with industry standards, or the willful misconduct of Consultant or its subcontractors. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this contract and all applicable federal, state and local laws. If Consultant is retained to perform services requiring a license, certification, registration or other similar requirement under California law, Consultant shall maintain that license, certification, registration or other similar requirement throughout the term of this Contract.

1.04 **Compensation**: In consideration for the services to be performed by Consultant, City agrees to pay Consultant monetary consideration for professional services in accordance with the **fee schedule** set forth in **Exhibit A**. The parties agree that total compensation for fees and costs for time and material services detailed in **Exhibit A** shall not exceed the sum of **$150,000 per fiscal year, for a total of $300,0000**, unless and until this Agreement is amended as provided herein.

1.05 **Billing/Payment Terms**. All charges for Consultant's services and authorized related reimbursable expenses shall be billed monthly, and all undisputed charges will be paid by City within 30 (thirty) days of receipt. The bills shall list all tasks under this Agreement, the task budget, project total budget, percentage completed for each task for that month, associated percentage billing against each task, and total billing for that month. In the event the Agreement is based on time & materials billing up to a not-to-exceed amount, the bill shall itemize by date all services and expenses provided during the invoice period (under this Agreement) including a brief description of the nature of work performed, the person or vendor performing them, the applicable billing rate, and the time expended. All Consultant service invoices must be approved by the City Manager prior to payment.

2.0 OBLIGATIONS OF CONTRACTOR

2.01 **Contract Management and Service Performance**: Principal shall serve as the project manager and will personally prepare, or direct and supervise the preparation of, all work product called for by this agreement. Consultant represents that it has the qualifications, experience and facilities to properly perform all services hereunder in a thorough, competent, timely, and professional manner and shall, at all times during the term of this Agreement, have in full force and affect all licenses required of it by law. Consultant agrees to devote the hours and the human resources necessary to timely perform the services set forth in this agreement in an efficient, professional, and effective manner.

2.02 **Avoidance of Conflict of Interest.**

(a) Consultant may represent, perform services for, and be employed by additional individuals or entities, in Consultant's sole discretion, as long as the performance of these extra-contractual services does not interfere with or present a conflict with City's business or interfere with the timely performance and completion of Consultant's services under this Agreement.

(b) Consultant shall comply with all conflict of interest laws and regulations including, without limitation, the City's Conflict of Interest Code (on file in the City Clerk's Office). All officers, employees and/or agents of Consultant who will be working on behalf of the City pursuant to this Agreement may be required to file Statements of Economic Interest. Therefore, it is incumbent upon the Consultant to notify the City of any staff changes relating to this Agreement.

(c) In accomplishing the scope of services of this Agreement, all officers, employees and/or agents of the Consultant unless as indicated in Subsection (d), will be performing a very limited and closely supervised function, and therefore, unlikely to have a conflict of interest arise. No disclosures are required for any officers, employees, and/or agents of Consultant, except as indicated in Subsection (d). _____ (*Initials)*.

(d) In accomplishing the scope of services of this Agreement, Consultant will be performing a specialized or general service for the City, and there is substantial likelihood that the Consultant's work product will be presented, either written or orally for the purpose of influencing a governmental decision. As a result, the following persons shall be subject to the City's Conflict of Interest Code.

_None_____

2.03 **Tools and Instrumentalities**: Consultant shall provide all tools and instrumentalities to perform the services under this agreement.

2.04 **Workers' Compensation and Other Employee Benefits**: City and Consultant intend and agree that Consultant is an independent contractor of City and agree that Consultant and Consultant's employees and agents have no right to Workers' Compensation and other City-sponsored employee benefits. Consultant agrees to provide Workers' Compensation and other employee benefits, where required by law, for Consultant's employees and agents. Consultant agrees to hold harmless and indemnify City for any and all claims arising out of any claim for injury, disability, or death of Consultant and any of Consultant's employees or agents.

2.05 **Indemnification**

(a) Non-design, non-construction Professional Services: To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, including the City's active or passive negligence, except for such loss or damage arising from the sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(b) Non-design, construction Professional Services: To the extent the Scope of Services involve a "construction contract" as that phrase is used in Civil Code Section 2783, this paragraph shall apply in place of paragraph (a). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, except for such loss or damage arising from the active negligence, sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(c) Design Professional Services: In the event Consultant is a "design professional", and the Scope of Services require Consultant to provide "design professional services" as those phrases are used in Civil Code Section 2782.8, this paragraph shall apply in place of paragraphs (a) or (b). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8) Consultant shall indemnify, defend and hold harmless the City and its elected officials, officers, employees, volunteers and agents ("City Indemnitees"), from and against all claims, damages, injuries, losses, and expenses including costs, attorney fees, expert consultant and expert witness fees arising out of, pertaining to or relating to, the negligence, recklessness or willful misconduct of Consultant, except to the extent caused by the sole negligence, active negligence or willful misconduct of the City. Negligence, recklessness or willful misconduct of any subcontractor employed by Consultant shall be conclusively deemed to be the negligence, recklessness or willful misconduct of Consultant unless adequately corrected by Consultant. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of

this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims. In no event shall the cost to defend charged to Consultant under this paragraph exceed Consultant's proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more defendants is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, Consultant shall meet and confer with other parties regarding unpaid defense costs.

(d) Payment by City is not a condition precedent to enforcement of the indemnities in paragraph (a), (b), or (c). In the event of any dispute between Consultant and City, as to whether liability arises from the active negligence, sole negligence or willful misconduct of the City or its officers, employees, or agents, Consultant will be obligated to pay for City's defense until such time as a final judgment has been entered adjudicating the City as having been actively negligent, solely negligent or as having engaged in willful misconduct. Except as otherwise required by Civil Code Section 2782.8, Consultant will not be entitled in the absence of such a determination to any reimbursement of defense costs including but not limited to attorney's fees, expert fees and costs of litigation. The provisions of this Section 2.05 shall survive completion of Consultant's services or the termination of this Agreement.

2.06 **Insurance**: Consultant shall maintain prior to the beginning of and for the duration of this Agreement insurance coverage as specified in Exhibit B attached to and part of this agreement.

2.07 **Campaign Contribution Disclosure:** Pursuant to Government Code Section 84308, any party to a City proceeding (which includes, but is not limited to, all contracts with the City, other than competitively bid, labor, or personal employment contracts) must disclose on the record any campaign contributions made to a member of the City Council or other elected or appointed officer of the City, any candidate for elected office of the City, or any candidate for elective office of any other agency who is also an elected or appointed officer of the City in excess of $250 in the past 12 months. This disclosure requirement includes contributions by the party's agent, such as a consultant, and aggregated contributions from persons or entities related to the party. Consultant is required to fill out and provide the attached Exhibit C 'Applicant/Interested Party Campaign Contribution Disclosure Form' with submission of this Agreement and to update this form after each contribution and no later than the beginning of any associated proceeding.

3.0 OBLIGATIONS OF CITY

3.01 **Cooperation**: City agrees to comply with all reasonable requests of Consultant necessary to the performance of Consultant's duties under this agreement. City employees, agents and officers of the City agree to disclose all information relevant to this project to Consultant. Consultant shall be entitled to reasonably rely upon the accuracy and completeness of information furnished by City, provided that Consultant shall give City prompt written notice of any known defects in such information.

4.0 TERMINATION OF AGREEMENT

4.01 **Termination Notice**: Notwithstanding any other provision of this agreement, any party hereto may terminate this agreement, at any time, without cause, by giving at least 30 (thirty) days' prior written notice to the other parties to this agreement.

4.02 **Termination on Occurrence of Stated Events**: This agreement shall terminate automatically on the occurrence of any of the following events:

a. Sale of the business of any party;

b. The end of the 30 (thirty) days as set forth in section 4.01;

c. End of the contract to which Consultant's services were necessary; or

d. Assignment of this agreement by Consultant without the consent of City.

e. Death of any party.

4.03 **Termination by any Party for Default**: Should any party default in the performance of this agreement or materially breach any of its provisions, the non-breaching party, at its option, may terminate this agreement, immediately, by giving written notice of termination to the breaching party.

4.04 **Termination**: This agreement shall terminate on **June 30, 2027**, unless earlier extended as set forth in this Section. The City, with the agreement of Consultant, is authorized to extend the term of this agreement beyond the termination date, as needed, under the same terms and conditions as set forth in this agreement. Any such extension shall be in writing and be an amendment to this agreement.

5.0 SPECIAL PROVISIONS

5.01 **Additional Tasks as May Be Assigned by the City Manager**: Prior to initiating any Consultant work on matters relating to the purposes of this Agreement, but outside the Scope of Services for this Agreement, it shall be the responsibility of Consultant to obtain written approval of the City Manager, prior to initiation of such tasks.

5.02 **Time Schedule**: Consultant is to begin work upon receipt and execution of City contract. Consultant agrees to engage its best efforts to adhere strictly to the schedule set forth in **Exhibit A** and incorporated herein.

5.03 **Work Outside Contract Scope**: No payment for changed or additional work shall be made unless the changed or additional work has first been approved in writing by the City Manager and the parties have agreed upon the appropriate adjustment, if any, to the payment schedule and maximum payment amount for the changed or additional work. The Contract Manger may order changes or additions to the scope of work. Whether a change or addition to the scope of work is proposed by the Consultant or ordered by the City Manager, the parties shall in good faith negotiate an appropriate adjustment, if any, to the payment schedule and maximum payment for the changed or additional work. An approved change or addition, along with the payment adjustment, if any, will be effective upon an amendment to this contract executed by both parties. The amendment shall not render ineffective or invalidate unaffected portions of this contract.

5.04 **Confidentiality:**

(a) Confidential Nature of Information. Consultant shall treat all information obtained from the City in the performance of this contract as confidential and proprietary to the City. Consultant shall treat all records and work product prepared or maintained by Consultant in the performance of this contract as confidential.

(b) Limitation on use and disclosure. Consultant agrees that it will not use any information obtained as a consequence of the performance of work for any purpose other than fulfillment of Consultant's scope of work. Consultant will not disclose any information prepared for the City, or obtained from the City or obtained as a consequence of the performance of work to any person other than the City, or its own employees, agents or

subcontractors who have a need for the information for the performance of work under this contract unless such disclosure is specifically authorized in writing by the City.

(c) Security plan. If requested by the City Manager, Consultant shall prepare a security plan to assure that information obtained from the City or as a consequence of the performance of work is not used for any unauthorized purpose or disclosed to unauthorized persons. Consultant shall advise the City of any request for disclosure of information or of any actual or potential disclosure of information.

(d) Survival. Consultant's obligations under this paragraph shall survive the termination of this contract.

6.0 MISCELLANEOUS

6.01 **Notices**: Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this agreement or by law to be served on or given to any party to this agreement shall be in writing and delivered or, in lieu of such personal service, when deposited in the United States mail, first class postage prepaid, to the following address for each respective party:

PARTY		ADDRESS
TO: CITY OF SOLVANG		City of Solvang 1644 Oak Street Solvang, CA 93463 Attention: City Clerk
	Copy to:	Chelsea O'Sullivan, City Attorney Richards, Watson & Gershon 847 Monterey Street, Suite 206 San Luis Obispo, CA 93401
TO: CONSULTANT		Willdan Engineering Vanessa Munoz, Chief Executive Officer 2401 E. Katella Avenue Anaheim, CA 92806

6.02 **Governing Law**: This agreement and all matters relating to this agreement shall be governed by the laws of the State of California in force at the time, should any need for interpretation of this agreement or any decision or holding concerning this agreement arise.

6.03 **Binding Effect**: This agreement shall be binding on and shall inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto, but nothing in this Section shall be construed as consent by City to any assignment of this agreement or any interest in the agreement.

6.04 **Remedies**: The remedies set forth in this agreement shall not be exclusive, but shall be cumulative with, and in addition to, all remedies now or hereafter allowed by law or equity.

6.05 **Due Authority**: The parties hereby represent that the individuals executing this agreement are expressly authorized to do so on and in behalf of the parties.

6.06 **Ownership of Work Product**: Upon delivery, the work product, including without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations

developed under this contract are the property of the City. Consultant agrees that all copyrights, which arise from creation of the work pursuant to this contract, shall be vested in the City and waives and relinquishes all claims to copyright or other intellectual property rights in favor of the City. City acknowledges that its use of the work product is limited to the purposes contemplated by the scope of work and that the Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by the scope of work.

6.07. **Integration and Modification**:

(a) This contract represents the entire understanding and agreement of the City and Consultant as to those matters contained herein. This agreement correctly sets forth the obligations of the parties hereto to each other as of the date of this agreement. All agreements or representations respecting the subject matter of this agreement not expressly set forth or referred to in this agreement are null and void. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This contract may not be modified, amended, or altered except in writing signed by the City and Consultant.

(b) In the event of any conflict between the terms of this agreement and the terms of an exhibit, the terms of this agreement shall control, even if the exhibit purports to modify this agreement. In the event an exhibit incorporates by reference any additional physical documents, websites, web links or other electronic location not under the control of the City, the parties agree that such additional documents shall have no impact on this agreement and shall be deemed to be void unless actually attached to the exhibit that purports to incorporate such additional document. Notwithstanding the foregoing sentence, the provisions of Section 2.05 of this agreement shall not be altered, amended, limited or otherwise affected in any manner by any language included in an exhibit to this agreement, even if such exhibit purports to affect the provisions of Section 2.05. Furthermore, any attempt to limit liability to the City that is expressed in an exhibit shall have no force or effect unless City has expressly agreed to such limitation by providing the initials of its authorized representative here: _____.

6.08. **Advice of Counsel**: The parties agree that they are aware that they have the right to be advised by counsel with respect to the negotiations, terms, and conditions of this contract, and that the decision of whether or not to seek the advice of counsel with respect to this contract is a decision which is the sole responsibility of each of the parties hereto. This contract shall not be construed in favor or against either party by reason of the extent to which each party participated in the drafting of the contract.

6.09. **Independent Review**: Each party hereto declares and represents that in entering this contract it has relied and is relying solely upon its own judgment, belief and knowledge of the nature, extent, effect and consequence relating thereto. Each party further declares and represents that this contract is being made without reliance upon any statement or representation not contained herein of any other party, or any representative, agent, or attorney of any other party.

6.10. **Attorney Fees:** In the event of any controversy, claim or dispute between the parties hereto, arising out of or relating to this agreement, or the breach hereof, the prevailing party shall be entitled, in addition to other such relief as may be granted, to a reasonable sum as and for attorney fees.

6.11 **No waiver:** The waiver of any breach by any party of any provision of this agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of this agreement.

6.12. **Assignment:** This agreement is specifically not assignable by Consultant to any person or entity. Any assignment or attempt to assign by Consultant whether it be voluntary or involuntary, by operation of law or otherwise, is void and is a material breach of this agreement, giving rise to a right to terminate as set forth in Section 4.03.

6.13. **Time for Performance:** Except as otherwise expressly provided for in this agreement, should the performance of any act required by this agreement to be performed by either party be prevented or delayed by reason by any act of God, strike, lockout, labor trouble, inability to secure materials, epidemics, pandemics, or any other cause, except financial inability, which is the fault of the party required to perform the act, the time for performance of the act will be extended for a period of time equivalent to the period of delay and performance of the act during the period of delay will be excused: provided, however, that nothing contained in this Section shall exclude the prompt payment by either party as required by this agreement of the performance of any act rendered difficult or impossible solely because of the financial condition of the party required to perform the act.

6.14 **Severability:** Should any provision of this agreement be held by a court of competent jurisdiction or by a legislative or rulemaking act to be either invalid, void or unenforceable, the remaining provisions of this agreement shall remain in full force and effect, unimpaired by the holding, legislation or rule.

6.15. **Construction:** The parties agree that each has had an opportunity to have their counsel review this agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this agreement or any amendments or exhibits thereto. The captions of the sections are for convenience and reference only, and are not intended to be construed to define or limit the provision to which they relate.

6.16. **Amendments:** Amendments to this agreement shall be in writing and shall be made only with the mutual written consent of all the parties to this agreement.

6.17. **Signatures**: The individuals executing this contract represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the parties have executed this contract on the following date.

CITY OF SOLVANG

David Brown, Mayor

ATTEST:

Annamarie Porter, City Clerk

CONTRACTOR
WILLDAN ENGINEERING

Vanessa Munoz, Chief Executive Officer

APPROVED AS TO FORM
Richards, Watson & Gershon

Chelsea O'Sullivan, City Attorney

EXHIBIT A

SCOPE OF WORK,

FEE SCHEDULE

&

PROJECT SCHEDULE

EXHIBIT B

INSURANCE REQUIREMENTS

Prior to the beginning of and throughout the duration of the Work, Consultant will maintain insurance in conformance with the requirements set forth below. Consultant will use existing coverage to comply with these requirements. If that existing coverage does not meet the requirements set forth here, Consultant agrees to amend, supplement or endorse the existing coverage to do so. Consultant acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds available to City in excess of the limits and coverage required in this agreement and which is applicable to a given loss, will be available to City.

Consultant shall provide the following types and amounts of insurance:

Commercial General Liability Insurance using Insurance Services Office "Commercial General Liability" policy form CG 00 01, or a City approved equivalent. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. Limits are subject to review but in no event less than $1,000,000 per occurrence and in the aggregate.

Business Auto Coverage on ISO Business Auto Coverage form CA 00 01 including symbol 1 (Any Auto) or the equivalent. Limits are subject to review, but in no event to be less than $1,000,000 per accident. If Consultant owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Consultant or Consultant's employees will use personal autos in any way on this project, Consultant shall provide evidence of personal auto liability coverage for each such person.

Workers Compensation on a state-approved policy form providing statutory benefits as required by law with employer's liability limits no less than $1,000,000 per accident or disease.

Professional Liability or Errors and Omissions Insurance as appropriate shall be written on a policy form coverage specifically designed to protect against acts, errors or omissions of the consultant and "Covered Professional Services" as designated in the policy must specifically include work performed under this agreement. The policy limit shall be no less than $1,000,000 per claim and in the aggregate. The policy must "pay on behalf of" the insured and must include a provision establishing the insurer's duty to defend. The policy retroactive date shall be on or before the effective date of this agreement.

Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with an A.M. Bests rating of A- or better and a minimum financial size VII.

General conditions pertaining to provision of insurance coverage by Consultant. Consultant and City agree to the following with respect to insurance provided by Consultant:

1. Consultant agrees to have its insurer endorse the third party general liability coverage required herein to include as additional insureds City, its officials, employees and agents, using standard ISO endorsement No. CG 2010 with an edition prior to 1992, or a City approved equivalent. Consultant also agrees to require all contractors, and subcontractors to do likewise.

2. No liability insurance coverage provided to comply with this Agreement shall prohibit Consultant, or Consultant's employees, or agents, from waiving the right of subrogation prior to a loss. Consultant agrees to waive subrogation rights against City regardless of the applicability of any insurance proceeds, and to require all contractors and subcontractors to do likewise.

3. All insurance coverage and limits provided by Consultant and available or applicable to this agreement are intended to apply to the full extent of the policies. Nothing contained in this Agreement

or any other agreement relating to the City or its operations limits the application of such insurance coverage.

4. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved of in writing.

5. Consultant's general liability policy shall not contain any provision or definition that would serve to eliminate so-called "third party action over" claims, including any exclusion for bodily injury to an employee of the insured or of any contractor or subcontractor.

6. All coverage types and limits required are subject to approval, reasonable modification and reasonable additional requirements by the City, as the need arises. Consultant shall not make any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discovery period) that may affect City's protection without City's prior written consent.

7. Proof of compliance with these insurance requirements, consisting of certificates of insurance evidencing all of the coverages required and an additional insured endorsement to Consultant's general liability policy, shall be delivered to City at or prior to the execution of this Agreement. In the event such proof of any insurance is not delivered as required, or in the event such insurance is canceled at any time and no replacement coverage is provided, City has the right, but not the duty, to obtain any insurance it deems necessary to protect its interests under this or any other agreement and to pay the premium. Any premium so paid by City shall be charged to and promptly paid by Consultant or deducted from sums due Consultant, at City option.

8. Certificate(s) are to reflect that the insurer will provide 30 days notice to City of any cancellation of coverage by the carrier.

9. It is acknowledged by the parties of this agreement that all insurance coverage required to be provided by Consultant or any subcontractor, is intended to apply first and on a primary, non-contributing basis in relation to any other insurance or self insurance available to City.

10. Consultant agrees to require that subcontractors, and any other party involved with the project who is brought onto or involved in the project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the project will be submitted to City for review.

11. If Consultant's existing coverage includes a deductible or self-insured retention, the deductible or self-insured retention must be declared to the City. At that time the City shall review options with the Consultant, which may include reduction or elimination of the deductible or self-insured retention, substitution of other coverage, or other solutions. Consultant shall be responsible for paying any deductibles or self-insured retentions on its policies.

12. The City reserves the right at any time during the term of the contract to change the amounts and types of insurance required by giving the Consultant ninety (90) days advance written notice of such change. If such change results in substantial additional cost to the Consultant, the City will negotiate additional compensation proportional to the increased benefit to City.

13. For purposes of applying insurance coverage only, this Agreement will be deemed to have been executed immediately upon any party hereto taking any steps that can be deemed to be in furtherance of or towards performance of this Agreement.

14. Consultant acknowledges and agrees that any actual or alleged failure on the part of City to inform Consultant of non-compliance with any insurance requirement in no way imposes any additional obligations on City nor does it waive any rights hereunder in this or any other regard.

15. Consultant will renew the required coverage annually as long as City, or its employees or agents face an exposure from operations of any type pursuant to this agreement. This obligation applies whether or not the agreement is canceled or terminated for any reason. Termination of this obligation is not effective until City executes a written statement to that effect.

16. Consultant shall provide proof that policies of insurance required herein expiring during the term of this Agreement have been renewed or replaced with other policies providing at least the same coverage. Proof that such coverage has been ordered shall be submitted prior to expiration. A coverage binder or letter from Consultant's insurance agent to this effect is acceptable. A certificate of insurance and/or additional insured endorsement as required in these specifications applicable to the renewing or new coverage must be provided to City within five days of the expiration of the coverages.

17. The provisions of any workers' compensation or similar act will not limit the obligations of Consultant under this agreement. Consultant expressly agrees not to use any statutory immunity defenses under such laws with respect to City, its employees, officials and agents.

18. Requirements of specific coverage features or limits contained in this section are not intended as limitations on coverage, limits or other requirements nor as a waiver of any coverage normally provided by any given policy. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue, and is not intended by any party or insured to be limiting or all-inclusive.

19. These insurance requirements are intended to be separate and distinct from any other provision in this agreement and are intended by the parties here to be interpreted as such.

20. The requirements in this Section supersede all other sections and provisions of this Agreement to the extent that any other section or provision conflicts with or impairs the provisions of this Section.

21. Consultant agrees to be responsible for ensuring that no contract used between itself and its sub-consultants reserves the right to charge City or Consultant for the cost of additional insurance coverage required by this agreement. Any such provisions are to be deleted with reference to City. It is not the intent of City to reimburse any third party for the cost of complying with these requirements. There shall be no recourse against City for payment of premiums or other amounts with respect thereto.

22. Consultant agrees to provide immediate notice to City of any claim or loss against Consultant arising out of the work performed under this agreement. City assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve City.

SOLVANG
CALIFORNIA

Proposal

Professional Services, Building Plan Check and Inspection Services

June 5, 2025

Direct Contact:
Stephanie Spieler
Project Manager
805.290.2217
sspieler@willdan.com



WILLDAN

June 5, 2025

City of Solvang
Attn: Rafael Castillo, AICP
Planning and Building Manager
1644 Oak Street
Solvang, CA 93463

SUBJECT: Proposal for Professional Services, Building Plan Check and Inspection Services

Dear Rafael Castillo:

Willdan Engineering (Willdan) appreciates the opportunity to submit this proposal for providing **Professional Services, Building Plan Check and Inspection Services** to the **City of Solvang**. With over 60 years of unmatched expertise in Building & Safety, Willdan is a leading nationwide Provider for professional, collaborative services for any Government Agency. The advantages of partnering with Willdan include:

- **Demonstrates Competence and Expertise**
  Willdan partners with Municipalities across California to provide customized **Professional Services, Building Plan Check and Inspection Services**. Our Team has over 1,700 employees including California licensed architects & engineers, ICC certified personnel, and CASp experts.
- **Experience in the City of Solvang**
  Since 2019, Willdan has considered itself a partner with the **City of Solvang**. Willdan currently holds a contract with the City for **Professional Services, Building Plan Check and Inspection Services**.
- **Premier Customer Service**
  Willdan's **Building & Safety Team** takes pride in exceeding client expectations. Our success stems from providing knowledgeable, professional team members who deliver code-compliant solutions with a friendly collaborative approach.
- **ICC Preferred Provider**
  The **International Code Council (ICC)** recognizes Willdan Engineering as a **Preferred Provider**. Our knowledgeable team offers ICC-approved training sessions for municipalities upon request, with continuing education credits (CEUs) applicable towards obtaining or maintaining ICC Building Code Certifications.

Patrick Johnson, PE, CBO, Director of Building and Safety, is authorized to contractually bind Willdan and will serve as Principal-In-Charge. **Stephanie Spieler, CBO**, will serve as Project Manager for Professional Services, Building Plan Check and Inspection Services and will oversee day-to-day services provided to the City. Please find their contact information below:

Patrick Johnson
Director of Building and Safety
(909) 915-4361
pjohnson@willdan.com

Stephanie Spieler
Project Manager
(805) 290-2217
sspieler@willdan.com

On behalf of Willdan, we truly welcome the opportunity to continue serving the **City of Solvang** and its community.

Respectfully submitted,
WILLDAN ENGINEERING



Patrick Johnson, PE, CBO
Director of Building and Safety



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SOLVANG
CALIFORNIA

1. Statement of Qualifications



WILLDAN

1. Statement of Qualifications

1.1 Experience and Qualifications of the Firm



Willdan Profile

Willdan Engineering (Willdan), established in May 1964, is a subsidiary of Willdan Group, Inc. (WGI). Nationwide services are provided to clientele through three subsidiary firms – Willdan Engineering, Willdan Energy Solutions, and Willdan Financial Services. We continue to grow to better serve our clients by offering an expanding range of municipal services. Thus, offering a diversified portfolio of strengths. Willdan infuses a ***Customer First*** corporate culture. *We take great pride in our ability to provide government municipalities with reliable, customer friendly, quality, and cost-efficient services.*

Willdan Qualifications

Capabilities

Willdan specializes in critical life-safety, building, health, and fire services nationwide. The Willdan team tailors our services to fit the **City of Solvang** needs by offering a wide range of specially designed capabilities and technical disciplines through our Building & Safety Division. Currently, our team services 120 Government Municipalities throughout California. We see ourselves as an extension of City Staff.



Approach and Methodology

Willdan's Building & Safety Division responds to each City's issues and needs by tailoring every assignment with innovative approaches to unique designs in order increase a structure's performance capability while remaining compliant with the California codes and standards. Willdan has extensive experience furnishing comprehensive Professional Services, Building Plan Check and Inspection Services to government municipalities providing a consistent, technical foundation to all projects ensuring efficient and cost-effective manners.

Diverse Experience

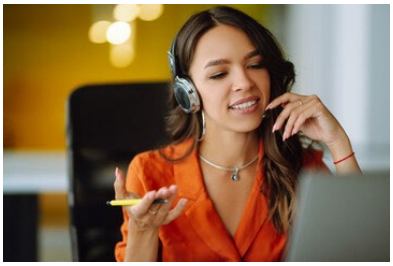
As a recognized **International Code Council (ICC) Preferred Provider**, our qualified team is available to provide training sessions to municipalities. The Willdan team attends regular classes and seminars to remain informed on code updates as well as maintaining active certifications at no additional expense to the client. Our knowledgeable team is available to provide training sessions to municipalities upon request with continuing education credits (CEUs) applicable towards obtaining or maintaining **ICC** Building Code Certifications.

ICC PREFERRED PROVIDER PROGRAM

Willdan is recognized as an ICC Preferred Provider and our knowledgeable staff is available to provide training to jurisdictions as needed.

Customer Service

The Willdan team recognizes customer service is paramount to the success of any organization. Our team excels in adaptability, prompt responses, clear oral and written communication skills, and individualized interaction. These skillsets benefit the **City of Solvang** development by combining residents and businesses to grow together through our interaction between City staff and various project personnel during the duration of a project.



1.2 Organizational Structure and Resumes

Patrick Johnson, PE, CBO, and Stephanie Spieler, CBO, will work with the **City of Solvang's** Building & Safety Division regularly to guarantee the provided services exceed the City's requirements.



Stephanie Spieler, CBO, has been selected to be the Project Manager to oversee the **City of Solvang**'s Professional Services, Building Plan Check and Inspection Services. Stephanie is an experienced Building Official and Project Manager specializing in life, health, and safety building codes. She has proficient knowledge in building inspections, plans examinations, and overseeing Building & Safety operations. She will be responsible for ensuring the City's day-to-day operational needs are met.



Patrick Johnson, PE, CBO, is the Director of Willdan's Building and Safety Division. As the Principal-in-Charge, Patrick is responsible for overseeing all Community Development services company wide as well as providing structural and non-structural plan review. Patrick serves as a forensic engineer responsible for justifying probable causes of structural damage caused by expansive soils. He also provides Building Official services to multiple municipalities.

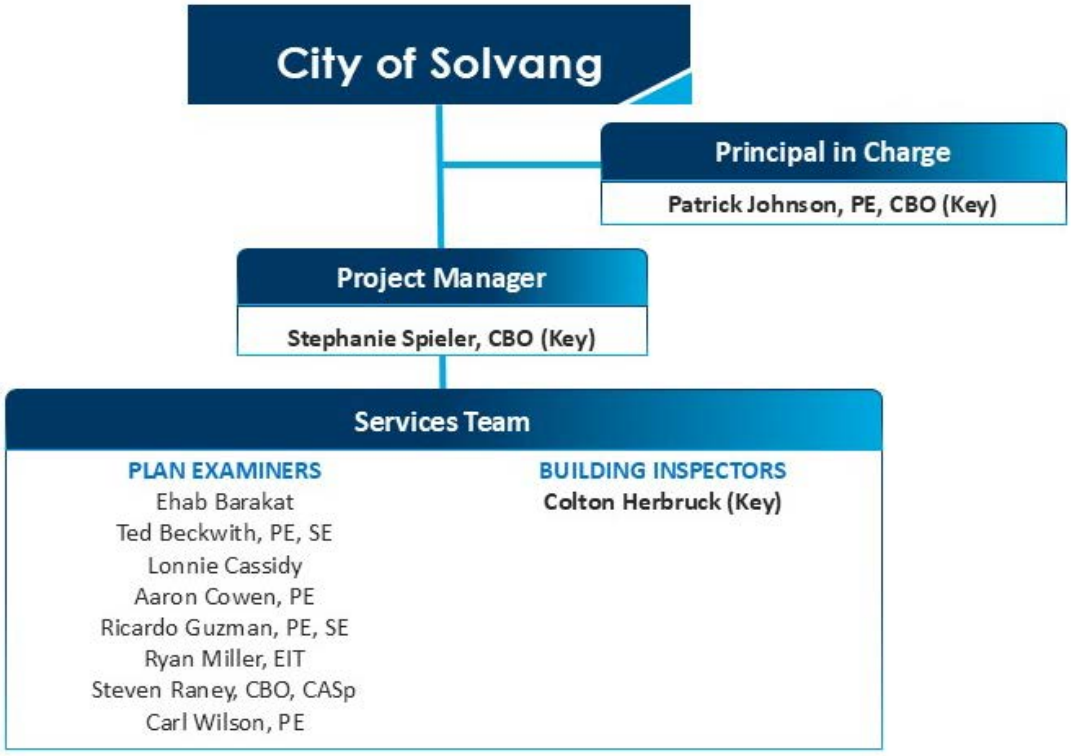
Our Team will meet regularly with City personnel and communicate via phone or email with the Director to verify the following:

- Staffing meets the City's needs
- Performance of plan reviews are to the satisfaction of the City



- General performance of Willdan team members
- Monthly invoices and task orders issued to the City for services
- Monitor project budgets to verify compliance with contract limitations
- Provide all necessary tools and equipment for Willdan team members
- Provide continuing education to employees necessary for maintaining current certifications
- Review daily hours and weekly timesheets submitted by team members
- Perform regular reviews of team members

Organizational Chart





1.3 Personnel Providing Services to the City

We are pleased to provide the resumes for the following Proposed Team Members to the City. Please see the resumes in the **Appendix: Resumes**.

Staff Member	Education	Professional Certification/License/Registrations
Key Team Members		
Stephanie Spieler, CBO **Project Manager** ***26 Years of Experience***	Bachelor of Arts from the University of Kentucky	▪ ICC Building Official ▪ ICC Building Inspector ▪ Various program completions (i.e. 3M, FEMA Disaster training)
Patrick Johnson, PE, CBO **Principal-in-Charge** ***29 years of experience***	MS, Engineering, California State Polytechnic University, Pomona BS, Structural Engineering, University Iowa	▪ Civil Engineer, California No. 67960 ▪ ICC Plans Examiner ▪ ICC Building Inspector ▪ ICC Building Official ▪ Disaster Response Team Member, California Building Officials ▪ ICC Building Official Code and Code Specialist
Colton Herbruck **Building Inspector** ***1 year of experience***	Ventura College, Ventura California	▪ Accurate Backflow Testing
Support Team Members		
Ehab Barakat **Plan Check Engineer** ***3 years of experience***	BS, Civil and Environmental Engineering, Wayne State University, Detroit, MI	▪ ICC Building Plans Examiner ▪ ICC Building Inspector
Ted Beckwith, PE, SE **Plan Check Engineer** ***38 years of experience***	BS, Civil and Structural Engineering, California State University, Fullerton Construction Technology Certificate, Riverside Community College	▪ Civil Engineer, California No. 48798 ▪ Structural Engineer, California No. 4294
Lonnie Cassidy **Senior Plans Examiner** ***28 years of experience***	Construction Technology Program, Cosumnes River College	▪ ICC Building Official ▪ ICC Certified Plans Examiner ▪ ICC Certified CAL Green Plans Examiner ▪ ICC Certified Commercial Plumbing Inspector ▪ ICC Certified Commercial Mechanical Inspector
Aaron Cowen, PE, CBO **Plan Check Engineer** ***30 years of experience***	BS, Civil Engineering, California State University, Long Beach	▪ California Professional Engineer, No. 58878 ▪ ICC Plans Examiner
Ricardo Guzman, PE, SE **Plan Check Engineer** ***26 years of experience***	MS, Structural and Earthquake Engineering, National University of Mexico Civil Engineer Degree, National University of Mexico	▪ Professional Structural Engineer, California No. 1833 ▪ Professional Civil Engineer, California No. 21238



Staff Member	Education	Professional Certification/License/Registrations
Ryan Miller, EIT **Plan Check Engineer** ***15 years of experience***	BS, Engineering, California State Polytechnic University AS, CAD/Drafting Technology	▪ Engineer-in-Training (EIT)
Steven Raney, CASp, CBO **Building Official/CASp Specialist** ***23 years of experience***	BS, Management, Northern Arizona University, Flagstaff, AZ	▪ CASp #519 ▪ ICC Commercial Combination Inspector ▪ ICC California Residential Building Inspector ▪ ICC Building Plans Examiner ▪ ICC Certified Building Official ▪ ICC Building Code Specialist ▪ ICC Building Inspector ▪ ICC California Commercial Building Inspector
Carl Wilson, PE, CPE **Plan Check Engineer** ***39 years of experience***	BS, Civil Engineering University of New Haven, Connecticut	▪ Civil Engineer, California #32340 ▪ ICC Plans Examiner #92782

1.4 Similar Services Provided by the Firm

Willdan's Building & Safety Team provides services to over 100 Municipalities in California, mostly within the Southern California region. As such, our Team Members are well versed in identifying problems and issues within Municipalities and knowledgeable to provide adequate solutions promptly. The Table below highlights some of our Team's recent experience in providing the same scope items as being requested by the **City of Solvang**.

Client	Professional Services, Building Plan Check and Inspection Services							
	Building Official	Building Plan Review	Building Inspection	CASp	Disaster Response	Fire Plan Review	Fire Inspection	Permit Technician
City of Bellflower	▪	▪	▪	▪	▪	▪	▪	▪
City of Big Bear Lake	▪	▪	▪	▪		▪	▪	▪
City of Buellton		▪	▪					
City of El Segundo		▪		▪	▪	▪		▪
City of Fullerton		▪		▪	▪			▪
City of Goleta	▪	▪	▪	▪	▪			▪
City of Hermosa Beach		▪	▪	▪	▪	▪		▪
City of La Puente	▪	▪	▪	▪	▪			▪
City of Long Beach		▪	▪	▪				▪
City of Manhattan Beach						▪	▪	▪
City of Moreno Valley		▪	▪	▪		▪	▪	▪



Client	Professional Services, Building Plan Check and Inspection Services							
	Building Official	Building Plan Review	Building Inspection	CASp	Disaster Response	Fire Plan Review	Fire Inspection	Permit Technician
City of Norco	■	■	■	■	■			■
City of Ontario		■	■	■				■
City of Pomona		■	■	■				■
City of Rancho Cucamonga		■		■				■
City of Redlands		■	■	■				■
City of Rolling Hills Estates	■	■	■	■	■			■
City of San Bernardino		■	■	■				■
City of Santa Barbara		■						
City of Sierra Madre	■	■	■	■	■			■
City of Tustin		■		■				■
Santa Barbara County		■						

1.5 Lawsuits, Liens, Restraining Orders, Etc.

Willdan has no pending conditions such as bankruptcy, pending litigation, planned office closures, impending merger, etc., that would impede Willdan's ability to complete the City's Professional Services, Building Plan Check and Inspection Services Contract.

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2. Past Performance and References



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2. Past Performance and References

Within the last five (5) years, Willdan Building & Safety has provided similar services to the following Municipalities.

Project Description

Willdan was recently selected to provide plan review and building inspections of the City's new library project. Recently received another contract to plan review and inspect another city related project.



Service Dates
2024 to Present

Client
City of Buelton
107 West Highway 246
Buellton, CA 93427

Contact
Rose Hess, PE
Director of Public Works
(805) 688-5177
roseh@cityofbuellton.com

Project Description

Willdan is currently providing full Professional Services, Building Plan Check and Inspection Services with in-house Building Official and in-house Building Technicians and Inspectors; and on-call Building Plans Examiners, Accessible Compliance Review services. Our Scope of Work covers residential and non-residential applications, including structural, life safety, plumbing, electrical, mechanical, accessibility, and energy conservation.



Service Dates
2002 to Present

Client
City of Goleta
130 Cremona Drive,
Suite B
Goleta, CA 93117

Contact
Peter Imhof
Director of Planning and Environmental Services
(805) 961-7541
pimhof@cityofgoleta.org

Project Description

Willdan is currently providing on-call Professional Services, Building Plan Check and Inspection Services.



Service Dates
Current

Client
Santa Barbara County
23 E Anapamu Street, # 2
Santa Barbara, CA 93101

Contact
John Green
Assistant Director
(805) 934-6229
jlgreen@countyofsb.org

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3. Project Proposal



WILLDAN

3. Project Proposal

3.1 Project Understanding and Management Approach



The **City of Solvang** is seeking an experienced consultant to provide **Professional Services, Building Plan Check and Inspection Services** in the City. The services will include (at minimum) a Building Official, plans examiners, and a building inspector. Our primary goal is to ensure residents and the community's life, health, safety, and welfare are compliant with City, State, and Federal Codes and standards. This proposal not only outlines our detailed understanding of the City's requirements, but it emphasizes our strategic approach to delivering effective and efficient Professional Services, Building Plan Check and Inspection Services that align with the City's objectives.

Subsequent sections will delve into our comprehensive understanding of the Scope of Work and the **City of Solvang's** specific needs by detailing our work approach, key personnel & proposed staffing, and execution strategies that meet and exceed the expectations set forth in the Request for Proposals (RFP).

Strength and Stability

Willdan is a full-service Building & Safety consultant. Our robust team will customize a variety of solutions specifically to enhance the City's needs. We envision our role in the **City of Solvang** as both facilitator and problem solver to create a long-term successful relationship with the City and the community.

Compliance with Codes and Standards

The Willdan plans examiners and building inspectors will ensure all projects and associated documentation are compliant with the 2022 building codes and upcoming codes, energy conservation codes, accessibility regulations, municipal code, health and safety codes, fire codes, and adopted state and federal laws and regulations.



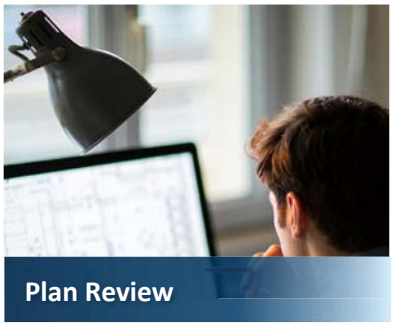
A Team You Can Count On

The **City of Solvang** can expect to receive not only the highest quality of Professional Services, Building Plan Check and Inspection Services but will have a vast resource of continual support as our team is committed to ensuring guaranteed satisfaction.

Professional Services, Building Plan Check and Inspection Services	
Service Classification	**Type of Service**
ICC Certified Building Official	on-site and on-call
ICC Certified Building Inspectors	on-site and on-call
CASp Specialists	on-call
ICC Certified Plans Examiners	on-call
California Licensed Structural Engineers	on-call
ICC Certified Permit Technicians	on-call


Building Official

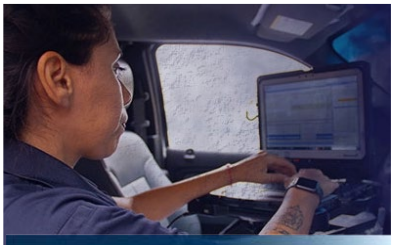

Permit Technician


Plan Review


Building Inspection


CASp


Disaster Recovery


Code Enforcement

ICC PREFERRED PROVIDER PROGRAM

Willdan is recognized as an ICC Preferred Provider and our knowledgeable staff is available to provide training to jurisdictions as needed.


Fire

3.2 Building Official Services

The Building Official is responsible for overseeing all operations of the Building & Safety Division for the City. The assigned Building Official will be qualified to perform the required management duties assigned as well as meeting the City's qualifications pertaining to certifications/licensing, education, and experience. Willdan understands the role of the Building Official to be a liaison with City Departments including (but not limited to) Planning, Public Safety, Code Enforcement, Fire, City Attorney's Office, Public Works, Finance, and Economic Development.



Service Approach

- On call as needed position
- Supervise and lead team members
- Manage, coordinate, and oversee the building plan reviews and inspections
- Establish procedures/make procedural decisions
- Inspections of construction sites and buildings
- Conduct investigations including field and office research, investigation follow-ups and preparation of notices, letters, or documents
- Issue Certificates of Use and Occupancy
- Supply technical support with plan reviews and inspections
- Make determination on the approval and use of alternative materials and methods of construction



- Make final interpretations concerning the application of building and safety codes
- Meet with developers, homeowners, business owners, architects, engineers, and the general public at the City or in the field, as the need dictates to resolve grievances and/or respond to questions and ensure timely project processing incompliance with codes and ordinances
- Respond to emergency callouts for building and safety issues
- Provide expertise to high level health/life-safety building enforcement standards
- Issue Red Tags/Yellow Tags to properties deemed uninhabitable/substandard (when applicable)



- Coordinate inspections and plan reviews with other City Departments (i.e. Code Enforcement and Planning)
- Professionally address and respond to Division complaints
- Prepare weekly/monthly/quarterly/yearly Staff reports if required by the City



- Provide monthly billing/invoicing
- Attend City meetings (i.e. pre-construction, construction, City Council, administrative hearings, court summons, etc.)

Additional Services Approach



The City Council Members are essential to the growth and development of the community. Willdan's Building Officials are experienced in interacting directly with City Council Members. The Building Official will offer professional expertise and guidance when called upon. We understand the camaraderie between the Building Official and Council Members is a vital component for streamlining the City's vision for the future environment.

3.3 Plan Review Services



Willdan will provide the **City of Solvang** with licensed professionals and ICC Certified Plans Examiners who have a minimum of two (2) years of previous experience. We understand response time for plan reviews is crucial, and we intend to return comments as outlined in the City's proposal. Our plans examiners continually attend training courses and conferences to stay current with the code adoptions and amendments.

Service Approach

Plans Examiners verify accuracy and compliance with the following design elements:

- Review plans and applications for conformance to all applicable federal, state, and city building codes; including structural, electrical, mechanical, plumbing, fire/life safety, California energy regulations, and accessibility laws
- Coordinate with applicable City departments and outside agencies such as Environmental Health Services and the Fire Department
- Coordinate with City staff regarding routing plans to appropriate departments and track progress
- Provide applicant with plan review correction comments to achieve conformance
- Respond to inquiries on the phone, in-person, and via e-mail



- Schedule inspections, coordinate with staff, maintain files, and update permit system
- Attend meetings as required
- Plan review can be performed on-site, off-site, or a combination of both (subject to the satisfaction of the City)

Willdan's ICC certified Plans Examiners are experienced in reviewing compliance of accessibility and life-safety with the current edition of the California codes and standards in conjunction with the supplemental documents. There are no limitations for the types of construction that will be reviewed by our plans examiners.

Additional Services Approach

Willdan enforces a streamlining process where plans examiners are accessible by phone, email, and in person. It is a standard practice for plans examiners to call the design professional(s) after the second (2nd) review if the project does not appear to be approved on the third (3rd) submittal. We strive to approve submittals by the third (3rd) review cycle.



Plan Review Response Times

Willdan Plans Examiners will adhere to the City's response turnaround schedule as follows:

Type Of Project	Initial Review	Subsequent Reviews
Residential Plan Review	15 business days	10 business days
Commercial and Industrial Plan Review	15 business days	10 business days
Solar Plans	In real time per law	1 working day

3.4 Building Inspection Services

Willdan's Inspectors are ICC certified and qualified to perform residential, commercial, and industrial inspections ensuring construction complies with the City approved plans, building codes and standards, accessibility, life-safety, and supplemental documents. To comply with the City's request, Willdan Inspectors will complete daily inspections of active Permits.



Service Approach

- One part-time position with an additional hours or inspector to be provided as needed
- Prepare daily inspection lists/schedules
- Coordinate inspections with multiple City departments (when applicable)
- Familiarize themselves with the City approved plans to verify the on-site/existing conditions are concurrent with those identified on the approved plans, which includes compliance with setbacks, square footage, heights, and other project information
- Interact professionally with contractors/developers/property owners during field inspections



- Issue correction notices/stop work for non-compliant field items
- Document field changes and inform the applicable City department of the change
- Input inspection results and notations into the City's database
- Finalize/expire permits
- Investigate code violations with City code enforcement staff
- Input inspection information into the City's permit tracking system, document violations, and coordinate inspection schedule with administrative support staff



- Respond to on-call and emergency inspections (when applicable) including after hours and weekends
- Evaluate emergency situations ranging from a vehicle crash into a structure to catastrophes/natural disasters
- Compliance investigations
- Enforcement and follow ups for: Green Building Code, on-site grading and drainage, NPDES stormwater (SWPPP) and other related duties as assigned
- NPDES compliance inspections shall include verification of treatment best management practices (BMP) devices to ensure proper installation and operation pursuant to the City Water Quality Management Plan (WQMP) for a development project

Additional Services Approach

The Willdan inspection team provides additional services to the clients outside the identified scope of work. The inspection team will attend pre-construction and construction meetings with City staff, contractors/developers, and property owners to aid in resolving field design issues.

Inspection Response Times

Willdan Inspectors will schedule inspections Tuesdays and Thursdays.

3.5 Additional Available Professional Services, Building Plan Check and Inspection Services

While we offer a wide range of services, Willdan's team understands every client requires personalized solutions. We offer a variety of customizable services to each client making us an ideal partner with the **City of Solvang**.

CASp Services

Our CASp Plans Examiners and Inspectors provide accessibility evaluations of the building and site to report non-compliant accessibility implementations. When requested by the City, the CASp Inspector may assist with legal support and act as an expert witness. CASp Inspection services are conducted with a minimum of 24-hour notice.





Disaster Response & Inspection Services

Willdan assisted communities with recovery from the following disasters:

- Town of Paradise Firestorm
- Northridge Earthquake
- Loma Prieta Earthquake
- Whittier Narrows Earthquake
- Berkeley Tunnel Firestorm
- Malibu Flood
- Malibu-Topanga Firestorm
- Oakland Firestorm
- Calabasas Flood



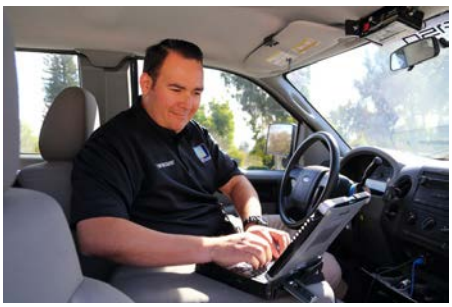
For over two decades, we have assisted local and regional communities recovering from firestorms, floods, earthquakes, landslides, mudslides, and other disasters. Amid the turmoil, Willdan supports communities with rebuilding their homes and businesses while ensuring the protection of public life-safety. We are equipped to promptly mobilize during catastrophes/disasters, emergencies, and pandemics allowing us to establish a reputation for innovative disaster recovery assistance approaches.



The Willdan Team is ready to assist by providing efficient means of reviewing and approving building permit applications as well as providing prompt construction inspections for affected property owners. We understand that most local and regional Government Agencies are hard pressed to maintain normal services while assisting residents and businesses impacted by a major disaster. For example, on April 11, 2023, Willdan signed a contract with the town of Paradise to perform Building and Safety plan reviews and inspection services for their

on-call Post-Fire Rebuilding Assistance project. Paradise was in the direct line of the 2018 Camp Fire, at the time the deadliest and most destructive wildfire in California's history.

Code Enforcement Services



The Willdan Code Enforcement Team assists Government Agencies with the difficult task of maintaining the Citizen's quality of life. Willdan's team offers extensive municipality experience in neighborhood preservation, housing inspection, and code enforcement. Team members are well versed in the challenges the City faces and will offer effective solutions to resolve the most difficult of code violations. Willdan's Code Enforcement Team provides services to over 100 municipalities in California, most within the Southern California region.

Fire Services



Willdan's Fire Service Team specializes in critical fire life-safety protection serving municipalities throughout California for over 45 years. We will work with the City to establish a system that works best for the City. The team is comprised of both **ICC** and State certified Plans Examiners, Inspectors, Fire Marshals, and fire protection Engineers to fulfill the broad range of critical fire life-safety protection services.

Willdan Engineering's Supplemental Services



Willdan provides supplemental services to Municipalities upon request. The additional services include, but not limited to:

- Field engineering, investigations, assessments, and reports
- Development of public information materials, including, but not limited to, forms, technical handouts, brochures, manuals, website enhancements, etc.
- Optimizing solutions pertaining to energy savings

- System improvements to ensure optimal performance and resiliency
- Innovative design to address environmental challenges
- Commissioning and retro-commissioning services for new and existing infrastructure
- Analysis audits, planning, and modeling services for engineering projects
- Municipal Financial Services



Energy Performance Land Development Plan Check Review Services

Willdan provides engineering plan review services for a variety of land development projects. The work encompasses review of:



- Improvement plans
- Street plans
- Traffic signal plans
- Striping plans
- Roadway
- Drainage plans
- Sewer, water, grading plans, erosion and sediment control plans
- Storm water quality and SWPCP/SWPPP documents

The engineering review is done by licensed civil engineers, with support from technical staff. Our civil engineers draw from the municipal expertise to coordinate the land development review such that all agency condition of approval, regulatory permitting, engineering standard and policies are complied with and also good engineer practices are followed in general. This includes:



- Performing a project site visit, review, and application of information from the soils
- Geologic and Seismic Reports
- Fire Flow Calculations
- Sewer Reports
- Mapping and related documents
- Easements
- Cost estimates and planning documents such as approved site plans and conditions of approval

The Willdan Team is adept at coordinating a complete land development review from project inception and conditioning through approval and permitting and also final as built and acceptance procedures.



Grading Plan Review Service Approach

As both City Engineer and Building Official for a number of Southern California cities, Willdan has developed the expertise to review all grading projects from both a public works and building department perspective. This unique perspective provides greater coordination between departments.

Willdan combines our City Engineering experience with our Building Official experience to provide an unmatched expertise for grading plan checking for both public and private grading projects. Our unique multi-department perspective provides for detailed coordination of grading plan check reviews. Our ability to spot potential problems between onsite grading and off-site improvements enhances our review process.

Our grading plan check reviews can be accomplished online through our web-based electronic plan review services. With approval of the City, grading plan check applicants can upload their complete plans, soils reports, hydrology calculations, and SWMP on a secure web-site and receive their comments and/or approval electronically. The ability to offer real-time corrections from our plan check staff is a unique service.

- Plans examiners verify accuracy and compliance with the following design elements:
- Review rough and fine grading plans
- Review utility plans including sewer, water and storm drain lines, water quality control measure and required utility easements
- Determine if the project is located in a FEMA designated floodplain and provide comments to ensure compliance with the City's flood plain codes and FEMA regulations
- Project compliance with the Santa Barbara County Stormwater Municipal Separate Storm Sewer System (MS4) permit requirements
- Review of all reports including but not limited to geotechnical engineering and engineering geology reports, hydrology reports, stormwater compliance study, sewer hydraulic reports and water hydraulic reports
- Conformance with any existing or pending final map, parcel map or LLA and associated conditions

Public Improvement Service Approach

Provide civil engineering services to evaluate the conformance of submitted plans, reports, studies, and other engineering documents with all local, state and federal requirements and engineering best practices. Specific compliance reviews and tasks include, but are not limited to:

- The overall design includes notes on plans, grading, streets, sidewalks, storm drains and storm drain pipelines, sanitary sewer system, water pipelines, off-site improvements, water quality control measures and landscape plans
- Reports including but not limited to, geotechnical engineering and engineering geology reports, hydrology reports and stormwater compliance study
- Review civil plans associated with water and sewer public infrastructure, including all related general and construction notes, to ensure conformance with City standards



- Project compliance with the Santa Barbara County Stormwater Municipal Separate Storm Sewer System (MS4) permit requirements
- Review submitted project cost estimates
- Review stormwater pollution prevention plans (SWPPP) to ensure effective combination of controls for erosion, sediment loss and the discharge of wastes to the storm drain system
- Review the civil plans with associated public right-of-way landscaping plans to ensure street trees are compliant with Parks Department conditions
- Review civil plans and coordinate with Maintenance Assessment District formation to ensure new City general fund facilities are captured and able to be maintained
- Determine if the project is located in a FEMA floodplain and provide comments to ensure compliance with the City's flood plain codes and FEMA regulations. Coordinate with City for required CLOMRs, LOMRs, LOMA, etc.

3.6 Quality Assurance/Quality Control



Willdan Engineering operates under a daily company-wide Quality Assurance/Quality Control (QA/QC) Program. This program is very effective by ensuring a seamless process of day-to-day operations. To safeguard quality control, the Willdan team is furnished with prevailing tools for tracking plan reviews, issues iPhones and laptop/iPad computers for communication, and supplies field equipment including smart levels, tape measures, hard hats, safety vests, etc. Inspection logs and reports are reviewed weekly by the Willdan Project Manager to monitor construction progress. The Project Manager will consult with the jurisdiction's Building Official when deficiencies arise and recommend potential solutions. Once a solution is implemented, Willdan will update the quality control procedure. Willdan has built an excellent reputation with our services, leading other jurisdictions to approach us to assist with their special projects.

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4. Contact Information for the Responsible Party



WILLDAN



4. Contact Information for the Responsible Party

4.1 Contact Information

The information below is for the Contact of the Project Manager.

Stephanie Spieler
Project Manager
(805) 290-2217
sspieler@willdan.com

Willdan Engineering
374 Poli Street, Suite 101
Ventura, CA 93001-2605

4.2 Area of Responsibility

Willdan's Responsibilities

- Willdan shall provide all Building & Safety Team Members supplies, equipment, software, Code books required to fulfill the agreed contract.
- Willdan shall provide a sufficient number of qualified Engineers, Plans Examiners, combination Inspectors, and Permit Technicians who are available to meet the varying workload demands in the City
- Willdan shall provide the City with a core back-up team that is established to ensure the City is sufficiently always staffed
- The Building Official shall supervise and direct the services and have overall responsibility for the services in accordance with the agreement and scope of work
- Typical Professional Services, Building Plan Check and Inspection Services will be invoiced as a percentage of fee for plan review projects and hourly for inspection and building official services
- City Projects, Special Events, CASp Experts, after-hour services, emergency services/national disasters will be invoiced as hourly rates for Professional Services, Building Plan Check and Inspection Services

City's Responsibilities

- Use of plan room storage
- Use of permit file cabinets and wall files
- Use of City copier, fax machine, paper, and equipment

SOLVANG
CALIFORNIA

5. Cost of Services



WILLDAN



5. Cost of Services

Willdan is pleased to propose 80% of the plan check fees collected for plan review services for the **City of Solvang** and Building Official and inspector services will be charged an hourly charge per the table below.

Willdan's Hourly Rates are identified below.

Building and Safety Title	Hourly Rate
Administrative Assistant	$65
Permit Technician	$75
Senior Permit Technician	$85
Building Official	$155
Assistant Building Inspector	$90
Building Inspector	$105
Senior Building Inspector	$115
CASp Inspector	$135
Plans Examiner	$125
Senior Plans Examiner	$135
CASp Plans Examiner	$135
Plan Check Engineer	$145

After business hours and overtime inspections will be billed at 1.5x of our hourly rate. Holiday inspections will be billed at 2x of our hourly rate. Mileage for inspections will be billed at the current IRS Standard Mileage Rate. Willdan reserves the right to increase rates once per fiscal year to the value between the 12-month % change of the Consumer Price Index for the area and five percent with the notice stated herein.

SOLVANG
CALIFORNIA

Appendix: Resumes



WILLDAN



Appendix: Resumes

Key Personnel

Stephanie Spieler, CBO: Project Manager

Patrick Johnson, PE, CBO: Principal-in-Charge

Colton Herbruck: Building Inspector

Support Team Members

Ehab Barakat: Plan Check Engineer

Ted Beckwith, PE, SE: Plan Check Engineer

Lonnie Cassidy: Senior Plans Examiner

Aaron Cowen, PE: Plan Check Engineer

Ricardo Guzman, PE, SE: Plan Check Engineer

Ryan Miller, EIT: Plan Check Engineer

Steven Raney, CASp, CBO: Building Official/CASp Specialist

Carl Wilson, PE, CPE: Plan Check Engineer



EDUCATION

BA, University of Kentucky

PROFESSIONAL CERTIFICATIONS

ICC Certified Building Inspector # 5060566

3-M Fire Protection Products Certificate of Completion

26 YEARS OF EXPERIENCE

Stephanie Spieler, CBO

Project Manager/Building Official

Stephanie Spieler is Willdan Engineering Project Manager and Certified Building Official with 26 years of experience. Stephanie is available to provide Building Official, inspections, plan checking and permit technician services to our Ventura and Santa Barbara County clients.

Relevant Project Experience

City of Goleta, CA. *Building Official*. Supervised 5 employees-2 Building Technicians, 2 Building Inspectors, and a Plan reviewer. Ms. Spieler provided assistance to the general public, contractors, engineers, and architects on building code inquiries and recommends corrective action. Also took part in specialized inspection groups. Assisted with the launch of permitting software.

City of Goleta, CA. *Deputy Building Official*. Assisted the general public, contractors, engineers, and architects on building code inquiries and recommend corrective action. Review commercial and residential building plans and specifications for conformance to California State Building Codes

City of Goleta, CA. *Building Inspector*. Responsible for building, electrical, plumbing and mechanical inspections as well as grading and NPDES inspections. Ms. Spieler also assisted the permit technician in providing permit and plan check information at the public counter and in issuing permits. Responsible for commercial and residential inspections over 15 years. Performed residential and commercial plan check.

County of Santa Barbara, CA. *Building Inspector.* Inspected both commercial and residential construction projects for conformance.

County of Santa Barbara, CA. *Building Technician and Code Compliance Officer.* Ms. Spieler assisted the general public, contractors, engineers, and architects with submittals and permit issuance. Provided assistance to the general public, contractors, engineers, and architects on building code inquiries and recommend corrective action. Performed code enforcement actions.

County of Santa Barbara, CA. *Permit Technician/Building Inspector*. Ms, Spieler began her County Career as permit technician and was responsible for plan check intake and permit issuance. She was promoted to Building Inspector and was responsible for combination building inspections as well complaints and investigations.

Land Use Planners, Santa Barbara, CA. *Project supervision.* Responsible for permit submittals and construction drawings.



EDUCATION

BS, Structural Engineering, University of Iowa, Iowa City, IA

MS, Engineering, California State Polytechnic University-Pomona

PROFESSIONAL CERTIFICATIONS

California Professional Engineer, CE#67960

Arizona Professional Engineer, CE#50435

Colorado Professional Engineer, CE#43704

Nevada Professional Engineer, CE#20699

ICC Building Official

ICC Plans Examiner

ICC Building Inspector

29 YEARS OF EXPERIENCE

Patrick Johnson, PE, CBO

Principal-in-Charge

Patrick Johnson has 29 years of construction and engineering experience and is a registered engineer specializing in lightweight commercial, industrial, and residential structures. He has plan checked several tilt-up warehouse buildings up to 2.3 million square feet and numerous structures consisting of braced and moment frames for lateral resistance, prestressed concrete structures, and multi-story buildings up to six stories in height.

As Director of Willdan's Building and Safety Division, Patrick is responsible for overseeing all Building and Safety services company-wide as well as providing structural plan review. He has attended code enforcement and seismic application seminars and has received his Master of Engineering degree, specializing in structures, from California State Polytechnic University. Patrick has served as acting building official for the cities of Big Bear Lake, Loma Linda, and Rancho Mirage. He has served as a forensic engineer responsible for justifying probable causes of structural damage caused by expansive soils.

As a project manager for Willdan's On-call Building Official and Building and Safety Services contracts, Patrick works with City managers to plan, organize, direct, and administer the activities of their Building and Safety Departments, including building inspections; inspection of construction; and general rehabilitation or repair of commercial, residential, and industrial properties. He has overseen reviews of building plans, calculations, and specifications for proposed structures; administered building and safety code enforcement; and reviewed construction plans to ensure they meet building codes and zoning regulations. Patrick also oversees inspectors monitoring construction sites to determine whether structures and systems have been installed to meet all construction codes and ordinances for public safety.

Relevant Project Experience

Building Official Services, Cities of Banning, Big Bear Lake, Highland, Loma Linda, March JPA, and Rancho Mirage, CA. *Building Official*. Responsible for working directly with the City Manager to plan, organize, direct, and administer the activities and operation of the Building and Safety Department, including building inspections, inspection of construction, and the general rehabilitation or repair of commercial, residential, and industrial properties. Oversee the review of building plans, calculations, and specifications for proposed structures. As the administrator of Building and Safety, approve all construction plans to ensure they meet building codes and regulations. Inspect and monitor construction sites to determine if structures and systems are installed to meet all construction codes and ordinances for public safety. Supervise, train, and evaluate; and monitor and coordinate work. Oversee staff engaged in the preparation and maintenance of records of plans, inspection processes, letters and reports prepared or used in connection with building inspections; respond to questions from property and building owners; and interpret codes.



EDUCATION

Nordhoff High School, Ojai, California

Ventura College, Ventura, California, Wastewater Treatment Certification Course, Backflow & Cross Connection Control Certification Course

1 YEAR OF EXPERIENCE

Colton L. Herbruck

Building Inspector

Colton Herbruck has more than 1 year of building inspection experience for public agencies. Building inspections include public buildings, commercial and retail construction, single-family dwellings, and multi-family developments. He coordinates with plan check staff, other municipal departments, and agencies at the permit issuance stage and when finalizing permits and ensures agency compliance with project conditions of approval prior to certificates of occupancies.

Previous Work Experience

City of Goleta. *Building Inspector.* Mr. Herbruck was Building Inspector for the City of Goleta Building and Safety Department.

Accurate Backflow Testing and Valve Repair, Ventura County, CA. *Certified Backflow Technician.* Mr. Herbruck was a Ventura County certified Backflow Technician (2022 to 2023). Performed certified backflow prevention device testing, repair, installation and legal inspections for the county of Ventura under employment contract for Accurate Backflow Testing and Valve Repair. Performed hands on manual labor and filled out paperwork regarding test results and legality of installed backflow prevention devices

Alert Communications. *Intake Agent/Customer Service and Support.* Gathered and submitted information from clients for law firms and attorneys. Worked with customers and clients to fulfill the needs and desires of both the clients and the service provider



EDUCATION

BS, Civil and Environmental Engineering, Wayne State University, Detroit, Michigan

3 YEARS OF EXPERIENCE

Ehab Barakat

Plans Examiner

Mr. Ehab Barakat is a Willdan Engineering plans examiner with 3 years of experience.

Relevant Project Experience

Mr. Barakat's experience includes:

- Examining plans, structural calculations, geotechnical reports, and specifications for compliance with the California Standard Building Codes.
- Preparing correction letters to document deviations in submittals and provide applicants with recommendations to meet minimum code requirements.
- Advise applicants of any available alternative measures to meet minimum code requirements.
- Respond to questions from architects, engineers, and owners regarding codes and other issues with projects.



EDUCATION

BS, Civil and Structural Engineering, California State University, Fullerton, CA

Certificate in Construction Technology, Riverside Community College, Riverside, CA

PROFESSIONAL CERTIFICATIONS

Civil Engineer, California No. 48798

Structural Engineer, California No. 4294

ICC Building Plans Examiner

37 YEARS OF EXPERIENCE

Ted Beckwith, PE, SE

Plan Check Engineer

Mr. Ted Beckwith is a Willdan Engineering senior plans examiner with 37 years of experience. Mr. Beckwith is experienced in reviewing complex plans for the construction of K-12 public schools and community colleges and performing counter review of minor projects.

Relevant Project Experience

California Division of the State Architect, Riverside, CA. *Senior Structural Engineer (Lead).* Managed the daily operations of the Riverside Satellite office associated with the San Diego Regional Office. Review complex plans for the construction of K-12 public schools and community colleges. Perform counter review of minor projects. Review of changes to approved plans in the form of addenda, revisions and change orders. Review of deferred submittal documents including, but not limited to fire sprinklers and curtain wall glazing. Assist the design professionals in providing designs that are not only code compliant but economical. Work with architects, engineers, and school districts to obtain compliance with the California. Building Code especially during design development to achieve better buildings.

Willdan, San Bernardino, CA. *Supervising Plan Check Engineer.* Managed the staff of plan check engineers and developed staff and training programs. Worked in a fast paced environment on plan review of many complex projects. Resolved issues with permit applicants on code interpretation and application to their project with forward thinking. Trained junior level staff in application of the adopted codes in review of plans. Protectively worked with architects, engineers, contractors and owners to obtain compliance with the adopted codes of the state and more than 20 Building Departments. Prepared technical reports for the consideration of the local building official on matters of interpretation and administrative modifications of the building codes. Proficient in Fire Life Safety, Disabled Access, Structural, Energy Compliance, Electrical, Plumbing and Mechanical review as well as Building Department Administration.

Scott Fazekas & Associates, Irvine, CA. *Supervising Plan Check Engineer.* Managed the staff of plan check engineers. Worked in a fast paced environment on plan review of many complex projects. Prepared technical reports for the consideration of the local building official on matters of interpretation and administrative modifications of the building codes to effectively apply the code. Resolve issues with permit applicants on code interpretation and application to their project. Protectively worked with architects, engineers, contractors and owners to obtain compliance with the adopted codes of the state and more than 20 Building Departments. Proficient in Fire Life Safety, Disabled Access, Structural, Energy Compliance, Electrical, Plumbing and Mechanical review as well as Building Department Administration.



PROFESSIONAL CERTIFICATIONS

Building Plans Examiner

Building Inspector

CALGreen Plans Examiner

Reinforced Concrete Special Inspector

California Commercial Plumbing Inspector

ICC Commercial Mechanical Inspector

28 YEARS OF EXPERIENCE

Lonnie Cassidy

Senior Plans Examiner

Lonnie Cassidy is a Willdan Engineering senior plans examiner with 28 years of experience. Lonnie is available to provide building plan checking services to our Ventura and Santa Barbara County clients.

Relevant Project Experience

City of Goleta, CA. *Senior Plans Examiner*. Review commercial and residential building plans and specifications for conformance to California State Building Codes. Provide assistance to the general public, contractors, engineers, and architects on building code inquiries and recommend corrective action.

City of Santa Barbara, CA. *Building Plan Check Supervisor.* Responsible for supervising 3 Permit Technicians assigned to the Building Public Counter, 2 Plans Examiners and 3 Senior Plans Examiners who are responsible for residential and commercial plan check.

City of Santa Barbara, CA. *Senior Plans Examiner.* Review commercial and residential building plans and specifications for conformance to California State Building Codes. Provide assistance to the general public, contractors, engineers, and architects on building code inquiries and recommend corrective action.

LP2A. *Plans Examiner.* Review commercial and residential building plans and specifications for conformance to California State Building Codes and local ordinances for multiple Cities and Counties.

The Mattey Group. *Project Manager.* Process entitlement and land use applications for multifamily residence projects. Supervise subcontractor bidding for site and building construction. Review construction loan progress payments for subcontractors. Coordinate subcontractor work schedules.

County of Santa Barbara, CA. *Plans Examiner.* Review commercial and residential building plans and specifications for conformance to California State Building Codes. Provide assistance to the general public, contractors, engineers, and architects on building code inquiries and recommend corrective action.

Self Employed. *Concrete Special Inspector.* Perform required concrete sampling, testing and inspection for shotcrete, gunite and concrete. Review plans for conformance to local building code requirements. Provide Special Inspection Reports to appropriate jurisdictions.

City of Rocklin, CA. *Plans Examiner.* Review commercial and residential building plans and specifications for conformance to California State Building Codes. Provide assistance to the general public, contractors, engineers, and architects on building code inquiries and recommend corrective action



EDUCATION

California State University-Long Beach

BS Civil Engineering

Irvine Institute of Technology

Masters Science Structural Engineering

PROFESSIONAL CERTIFICATIONS

California Professional Engineer, CE#58878

ICC Building Plans Examiner

ICC Commercial Building Inspector

28 YEARS OF EXPERIENCE

Aaron Cowen, PE

Plan Check Engineer

Aaron Cowen, a registered Civil Engineer in California, is a Plan Check Engineer for the Building and Safety Division. Aaron has more than 28 years of experience in the engineering field including design, drafting and plan check experience.

Mr. Cowen's experience includes the design of wood structures, cantilevered concrete decks, thin-wall concrete shells, retaining walls, foundation systems, and design calculations.

Prior to joining Willdan, Mr. Cowen's previous engineering experience includes the position of Senior Engineer with a Southern California engineering firm. In this capacity, he was design lead on numerous projects, provided on-site field inspections, and was responsible for the management and administration of all engineering data and information.

Relevant Project Experience

Plan Check. Plan check projects include university buildings, single and multi-family homes, industrial buildings, commercial warehouses, restaurants, motels, solar plans, and numerous tenant improvements.

Sample Jurisdictions:

- City of Tustin
- City of Loma Linda
- County of Riverside
- City of Moreno Valley
- Orange County
- County of Los Angeles
- City of Highland

City of Irvine East Campus Housing Structure project including over 600,000 SF of student housing units. He performed the complete structural plan check on this project which included a five-story wood framed housing structure and reinforced concrete and light gauge steel framed community center. Plans included 140 sheets of structural plans and details and over 2500 sheets of calculations. He numerically and conceptually spot checked all structural aspects of project including gravity, lateral, connections, superstructure, raised reinforced concrete slab, reinforced concrete columns, post-tension slab foundations, wood shear walls, retaining walls, trusses, steel stairs, parking structure, multi-level hold-downs. Over 100 issues were discovered and corrected including numerical, conceptual, and coordination errors between calculations and plans.



Ricardo Guzman, PE, SE

Plan Check Engineer

Ricardo Guzman brings diverse industry strengths and experience in international business development and California state government oversight of public school and hospital designs to his employment with Willdan. As a skilled structural engineer, Ricardo has performed structural design of various commercial and agricultural light-gauge steel structures and their foundations in California; and offshore platforms, major port facilities, ore processing plants, and one major hotel in Mexico. His expertise includes management and supervision; plan review; forensic structural engineering; and performing earthquake engineering studies and seismic risk studies. Ricardo's structural expertise encompasses a wide range of industrial services: chemical plants, mining industry plants, spillways, several water supply projects, nuclear power plants, and oil industry facilities.

EDUCATION

MS, Structural and Earthquake Engineering, National University of Mexico.

Civil Engineer Degree (5 year Curriculum), National University of Mexico

CERTIFICATIONS

Structural, California No. 1833

Civil Engineer:

California No. 21238 Civil,

Arizona No. 38916 Civil,

Mexico No 155901 Civil,

Washington No. 15338

Civil, Ohio No. E-59652

26 YEARS OF EXPERIENCE

Relevant Project Experience

California State University (CSU) Buildings. *Plan Check Engineer* for major buildings:

- New Library for the CSU at Monterey Bay – a five-story concrete building with a modernistic complex structure
- Three-story buckling restrained steel frame building for the Hornet Bookstore and CSU Foundation at CSU Sacramento
- New Parking Garage for the CSU at Sacramento – a six-story post-tensioned concrete building that involved 3-D linear and 2-D push-over dynamic analyses
- Canyon Village at CalPoly San Luis Obispo – a $230,000 project with nine housing buildings and two post-tensioned parking structures

Commercial Buildings in Northern California. *Plan Check Engineer* for major commercial buildings:

- New Wheatland Wal-Mart store
- Roseville Galleria Mall additions, alterations and two post-tensioned parking structures
- New two-story Tracy City Hall
- New two-story Auburn Justice Center

Hospitals and School Buildings, CA. *Plan Check Engineer* for major buildings:

- UCSD Hospital – 12- story (170' high) elevator tower with an eight-story corridor bridging structure and an approximately 25,000-square-foot, three-story addition that required dynamic analysis considerations due to attachment to existing building
- Los Angeles Good Samaritan Hospital – a four-story triangular building that involved an independent dynamic analysis using the ETABS program
- Coronado Elementary School – new two-story masonry



EDUCATION

High Tech Institute

Associates of Science, CAD/Drafting Technology

California State Polytechnic University

Bachelor of Science, Civil Engineering

REGISTRATION

EIT (Engineer in Training)

15 YEARS OF EXPERIENCE

Ryan Miller, EIT

Plans Examiner

Ryan Miller is an Engineer in Training (EIT) and graduate of an ABET accredited civil engineering program. He has more than 15 years of experience in drafting/reading plans, and more than 5 years of engineering experience. He is a highly meticulous and resourceful civil engineer with an exceptionally strong engineer knowledge base.

Relevant Project Experience

WILLDAN

Plans Examiner/Checker – Performs technical review of construction documents for completeness, accuracy, and conformance to applicable building codes, ordinances, zoning regulations, and national standards.

CONDON-JOHNSON & ASSOCIATES, INC.

Project/Field Engineer – Managed field activities and implemented engineering designs for deep foundations, shoring, micropiles, tiebacks, ground anchors, and soil nails. Conducted inspections to ensure that the projects are proceeding on schedule and within budget. Maintained inventory of equipment, supplies, and material needed to perform projects. Created plans and submittals in accordance with the applicable building codes including Caltrans Standard Specifications and Plans.

MISSION STEEL

Structural Steel Detailer/Drafter & Checker – Prepared and checked plans for the fabrication and placement of structural steel members (columns, beams, guardrails, stairs, moment frames, etc) for commercial and residential projects in accordance with the applicable building codes.

LAW STEEL

Structural Steel Detailer/Drafter & Checker – Prepared and checked plans for the fabrication and placement of structural steel members (columns, beams, guardrails, stairs, moment frames, etc) for commercial and residential projects in accordance with the applicable building codes.

QUINCY JOIST COMPANY

Structural Steel Detailer/Drafter & Checker – Prepared and checked plans for the manufacture and erection of steel joists and joists girders for commercial and residential projects in accordance with the applicable building codes.



EDUCATION

BS, Management, Northern Arizona University, Flagstaff, AZ

PROFESSIONAL CERTIFICATIONS

CASp #519
ICC Residential Electrical Inspector
ICC Commercial Combination Inspector
ICC Combination Inspector
ICC California Residential Building Inspector
ICC California Residential Plumbing Inspector
ICC Building Plans Examiner
ICC Certified Building Official
ICC Mechanical Inspector
ICC Electrical Inspector
ICC Plumbing Inspector
ICC Building Code Specialist
ICC California Residential Combination Inspector
ICC California Residential Mechanical Inspector
ICC Residential Electrical Inspector
ICC Building Inspector
ICC California Commercial Electrical Inspector
ICC California Combination Inspector
ICC California Commercial Plumbing Inspector
ICC Residential Plumbing Inspector
ICC California Commercial Building Inspector
ICC Residential Mechanical Inspector
ICC Commercial Mechanical Inspector
ICC California Commercial Mechanical Inspector
ICC Commercial Plumbing Inspector
ICC Commercial Electrical Inspector

23 YEARS OF EXPERIENCE

Steve Raney, CASp, CBO

Building Official/CASp Specialist

Steven Raney is a skilled Building Code Professional with 23 years' experience in State, County, and local jurisdictions and with 17 years' experience in disabled access standard, building inspections, and plan review. Mr. Raney has experience working within municipal and governmental guidelines for structures and construction. He has worked with various municipalities and is effective in establishing and maintaining effective working relationships with City staff, contractors, and engineers.

Relevant Project Experience

City of Palmdale, CA. *Building Official.* Oversees the Building & Safety Division, which regulates the construction of all new, remodeled, and existing residential, commercial, and industrial buildings. Mr. Raney administrates all functions including plan checks, inspections, permit issuance, vendors, and preparation of annual budget. As Building Official, he prepares reports, ordinances, and memos for City Council and participates in the Development Advisory Board representing Building & Safety to provide conditions of approval for proposed projects. In addition, Mr. Raney completes inspections and plan review on difficult technical and inspectional problems, particularly where structural safety is concerned.

City of Big Bear Lake, CA. *Chief Building Official.* Supervised staff of Building Inspectors, Plans Examiners, and Building Permit Technicians to establish and enforce building standards for the purpose of safeguarding public health, safety, and general welfare. Mr Raney oversaw review of building plans, calculations, and specifications for proposed structures; established values of proposed construction, and adopted modifications to the State T-24 codes when necessary. He resolved code interpretation issues for new and existing buildings for compliance with the adopted Plumbing, Mechanical, Building, Electrical, and City Municipal Codes and worked with other city departments in coordinating plan approval, inspections, and building code related issues.

California Housing & Community Development, Southern CA Area. *Codes & Standards Administrator I.* Directed, organized, scheduled, and monitored activities and inspections for the Mobile Home Parks Program and staff in the Southern Area office. Duties included enforcement of the Title 24, 25, and HSC codes, as they pertained to the manufacture, install and alteration of all manufactured, modular buildings, and mobile home parks.

County of San Bernardino, CA. *Regional Building Inspector Supervisor.* Supervised three County Satellite offices, which included Inspections, Plan Checks, Counter Duty, and Permit Technicians. Conducted CASp inspections throughout the County. Inspection of County Capital Improvement Projects.



EDUCATION

BS, Civil Engineering
University of New Haven, Connecticut

PROFESSIONAL CERTIFICATIONS

Civil Engineer, California #32340

ICC Plans Examiner #92782

39 YEARS OF EXPERIENCE

Carl L. Wilson, PE, CPE

Plan Check Engineer

Carl Wilson, as a Plan Check Engineer, possesses extensive structural and life safety plan checking experience. He is responsible for the complete plan checking for a variety of projects, including complex commercial, industrial, institutional, and residential. For the past 34 years, Mr. Wilson has provided computer generated plan corrections for disabled accessibility, life safety, structural, and energy compliance. He is responsible for all plan check phases, including coordination, scheduling, rechecking, code interpretation, and communicating and meeting with applicants.

Relevant Project Experience

City of Rolling Hills Estates, Building Plan Check, 608 Silver Spur - Mr. Wilson was the Plan Check Engineer who provided as-needed building plan review services for the existing building.

City of Maywood, Building & Safety Plan Check - Provide building and safety plan check services. Review private developments in accordance to adopted building, plumbing, mechanical, electrical, disabled access, and energy codes.

City of Rolling Hills Estates, Building Plan Check, 627 Deep Valley - Mr. Wilson was the Plan Check Engineer who provided building code plan review services for commercial developments on 627 Deep Valley.

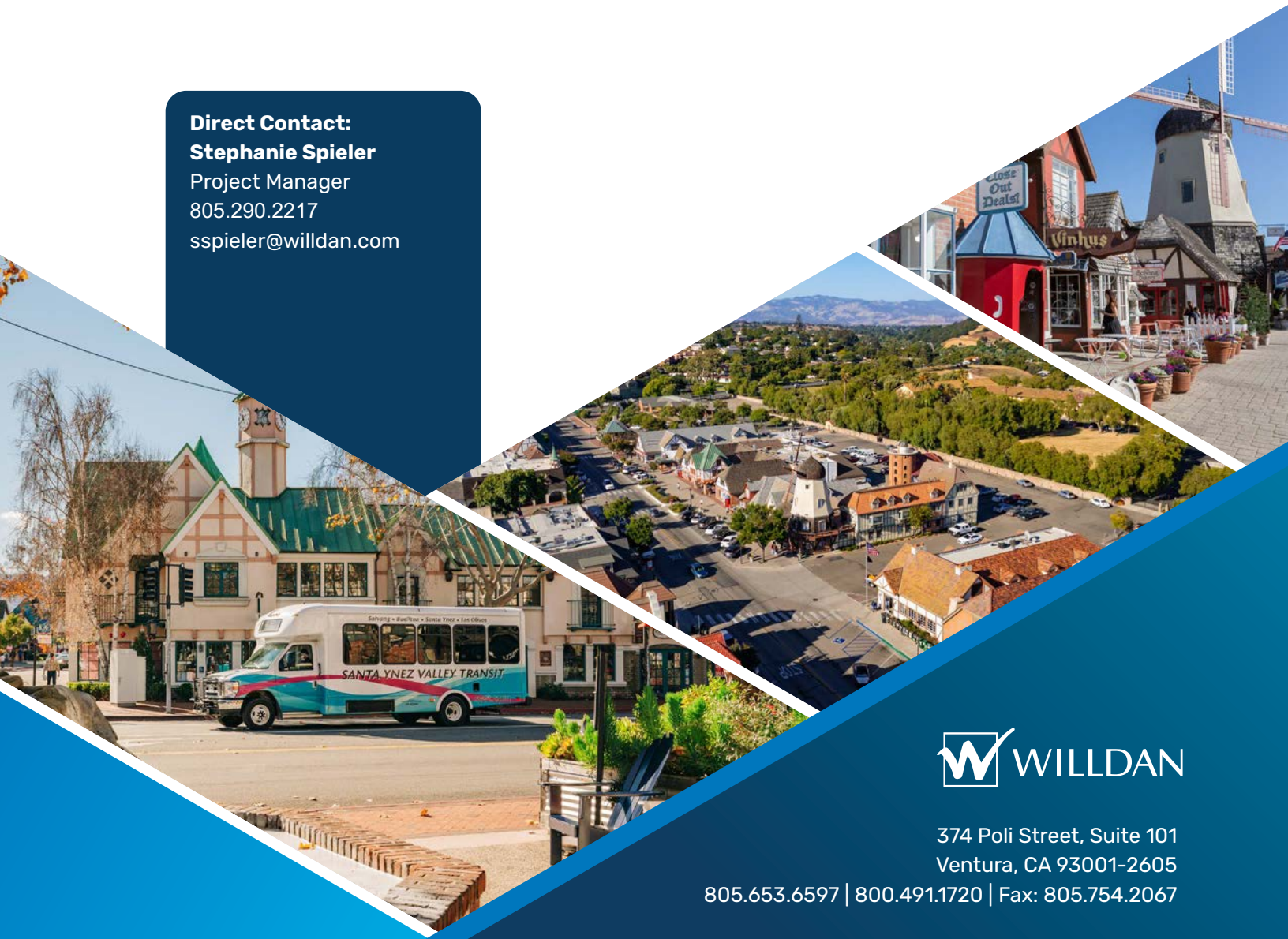
City of Rolling Hills - Plan Checker - Mr. Wilson provided building plan check and grading plan check services for this assignment.

County of Los Angeles Department of Public Works - Plan Check Engineer - Mr. Wilson provided as-needed building plan check services that includes architectural, life-safety, structural, energy, disabled access, plumbing, mechanical, electrical, and grading.

Mr. Wilson has provided plan check services for the following types of facilities:

- City hall remodels
- Unusual retaining wall and foundation systems
- Fire and police station facilities
- Seismic upgrade of hospitals and public facilities
- Health care facilities
- Large multi-use casino/assembly occupancies
- Large religious/church facilities
- Senior citizen centers and senior housing
- Hillside and beachfront custom homes
- Multi-story (hi-rise) hotel facilities
- Multi-story parking structures
- Unreinforced masonry seismic upgrade plan checking
- Wave uprush and coastal protective methods
- Many types of low-rise wood frame structures

Direct Contact:
Stephanie Spieler
Project Manager
805.290.2217
sspieler@willdan.com



WILLDAN

374 Poli Street, Suite 101
Ventura, CA 93001-2605
805.653.6597 | 800.491.1720 | Fax: 805.754.2067

www.willdan.com

CITY OF SOLVANG
PROFESSIONAL SERVICES AGREEMENT

PARTIES AND DATE. This Agreement is made and entered into this **14th** day of **July, 2025** ("Effective Date") by and between the **CITY OF SOLVANG**, a Municipal Corporation and Charter City organized under the Constitution and laws of the State of California with its principal place of business at 1644 Oak Street, Solvang, CA 93463 ("City") and **4LEAF, INC.**, a California Corporation with its principal place of business at 2126 Rheem Drive, Pleasanton, CA 94588 ("Consultant"). City and Consultant are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement. The parties hereto, in consideration of the mutual covenants contained herein, hereby agree to the following terms and conditions:

1.0 GENERAL PROVISIONS

1.01 **Term**: This agreement will become effective on the date of execution set forth below, and will continue in effect until terminated as provided herein.

1.02 **Services** : Consultant shall perform the **scope of work (tasks)** described and set forth in **Exhibit A**, attached hereto and incorporated herein as though set forth in full. Consultant shall complete the tasks according to the **project schedule** which is also set forth in **Exhibit A**.

Consultant shall determine the method, details and means of performing the above-referenced services.

Consultant may, at their own expense, employ such assistants and subconsultants, as Consultant deems necessary to perform the services required of Consultant by this agreement. However, Consultant may not assign this agreement to any other person or entity in the performance of required project-related services, and the City may not control, direct or supervise Consultant's assistants or employees in the performance of those services.

1.03 **Standard of Performance:** Consultant's services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant's profession currently practicing under similar conditions. Whenever the scope of work requires or permits approval by the City, it is understood to be approval solely for the purposes of conforming to the requirements of the scope of work and not acceptance of any professional or other responsibility for the work. Such approval does not relieve the Consultant of responsibility for complying with the standard of performance or laws, regulations, industry standards, or from liability for damages caused by negligent acts, errors, omissions, noncompliance with industry standards, or the willful misconduct of Consultant or its subcontractors. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this contract and all applicable federal, state and local laws. If Consultant is retained to perform services requiring a license, certification, registration or other similar requirement under California law, Consultant shall maintain that license, certification, registration or other similar requirement throughout the term of this Contract.

1.04 **Compensation**: In consideration for the services to be performed by Consultant, City agrees to pay Consultant monetary consideration for professional services in accordance with the **fee schedule** set forth in **Exhibit A**. The parties agree that total compensation for fees and costs for time and material services detailed in **Exhibit A** shall not exceed the sum of **$50,000 per fiscal year, for a total of $100,000**, unless and until this Agreement is amended as provided herein.

1.05 **Billing/Payment Terms**. All charges for Consultant's services and authorized related reimbursable expenses shall be billed monthly, and all undisputed charges will be paid by City within 30 (thirty) days of receipt. The bills shall list all tasks under this Agreement, the task budget, project total budget, percentage completed for each task for that month, associated percentage billing against each task, and total billing for that month. In the event the Agreement is based on time & materials billing up to a not-to-exceed amount, the bill shall itemize by date all services and expenses provided during the invoice period (under this Agreement) including a brief description of the nature of work performed, the person or vendor performing them, the applicable billing rate, and the time expended. All Consultant service invoices must be approved by the City Manager prior to payment.

2.0 OBLIGATIONS OF CONTRACTOR

2.01 **Contract Management and Service Performance**: Principal shall serve as the project manager and will personally prepare, or direct and supervise the preparation of, all work product called for by this agreement. Consultant represents that it has the qualifications, experience and facilities to properly perform all services hereunder in a thorough, competent, timely, and professional manner and shall, at all times during the term of this Agreement, have in full force and affect all licenses required of it by law. Consultant agrees to devote the hours and the human resources necessary to timely perform the services set forth in this agreement in an efficient, professional, and effective manner.

2.02 **Avoidance of Conflict of Interest.**

(a) Consultant may represent, perform services for, and be employed by additional individuals or entities, in Consultant's sole discretion, as long as the performance of these extra-contractual services does not interfere with or present a conflict with City's business or interfere with the timely performance and completion of Consultant's services under this Agreement.

(b) Consultant shall comply with all conflict of interest laws and regulations including, without limitation, the City's Conflict of Interest Code (on file in the City Clerk's Office). All officers, employees and/or agents of Consultant who will be working on behalf of the City pursuant to this Agreement may be required to file Statements of Economic Interest. Therefore, it is incumbent upon the Consultant to notify the City of any staff changes relating to this Agreement.

(c) In accomplishing the scope of services of this Agreement, all officers, employees and/or agents of the Consultant unless as indicated in Subsection (d), will be performing a very limited and closely supervised function, and therefore, unlikely to have a conflict of interest arise. No disclosures are required for any officers, employees, and/or agents of Consultant, except as indicated in Subsection (d). _____ (*Initials)*.

(d) In accomplishing the scope of services of this Agreement, Consultant will be performing a specialized or general service for the City, and there is substantial likelihood that the Consultant's work product will be presented, either written or orally for the purpose of influencing a governmental decision. As a result, the following persons shall be subject to the City's Conflict of Interest Code.

_None_____

2.03 **Tools and Instrumentalities**: Consultant shall provide all tools and instrumentalities to perform the services under this agreement.

2.04 **Workers' Compensation and Other Employee Benefits**: City and Consultant intend and agree that Consultant is an independent contractor of City and agree that Consultant and Consultant's employees and agents have no right to Workers' Compensation and other City-sponsored employee benefits. Consultant agrees to provide Workers' Compensation and other employee benefits, where required by law, for Consultant's employees and agents. Consultant agrees to hold harmless and indemnify City for any and all claims arising out of any claim for injury, disability, or death of Consultant and any of Consultant's employees or agents.

2.05 **Indemnification**

(a) Non-design, non-construction Professional Services: To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, including the City's active or passive negligence, except for such loss or damage arising from the sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(b) Non-design, construction Professional Services: To the extent the Scope of Services involve a "construction contract" as that phrase is used in Civil Code Section 2783, this paragraph shall apply in place of paragraph (a). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, except for such loss or damage arising from the active negligence, sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(c) Design Professional Services: In the event Consultant is a "design professional", and the Scope of Services require Consultant to provide "design professional services" as those phrases are used in Civil Code Section 2782.8, this paragraph shall apply in place of paragraphs (a) or (b). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8) Consultant shall indemnify, defend and hold harmless the City and its elected officials, officers, employees, volunteers and agents ("City Indemnitees"), from and against all claims, damages, injuries, losses, and expenses including costs, attorney fees, expert consultant and expert witness fees arising out of, pertaining to or relating to, the negligence, recklessness or willful misconduct of Consultant, except to the extent caused by the sole negligence, active negligence or willful misconduct of the City. Negligence, recklessness or willful misconduct of any subcontractor employed by Consultant shall be conclusively deemed to be the negligence, recklessness or willful misconduct of Consultant unless adequately corrected by Consultant. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of

this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims. In no event shall the cost to defend charged to Consultant under this paragraph exceed Consultant's proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more defendants is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, Consultant shall meet and confer with other parties regarding unpaid defense costs.

(d) Payment by City is not a condition precedent to enforcement of the indemnities in paragraph (a), (b), or (c). In the event of any dispute between Consultant and City, as to whether liability arises from the active negligence, sole negligence or willful misconduct of the City or its officers, employees, or agents, Consultant will be obligated to pay for City's defense until such time as a final judgment has been entered adjudicating the City as having been actively negligent, solely negligent or as having engaged in willful misconduct. Except as otherwise required by Civil Code Section 2782.8, Consultant will not be entitled in the absence of such a determination to any reimbursement of defense costs including but not limited to attorney's fees, expert fees and costs of litigation. The provisions of this Section 2.05 shall survive completion of Consultant's services or the termination of this Agreement.

2.06 **Insurance**: Consultant shall maintain prior to the beginning of and for the duration of this Agreement insurance coverage as specified in Exhibit B attached to and part of this agreement.

2.07 **Campaign Contribution Disclosure:** Pursuant to Government Code Section 84308, any party to a City proceeding (which includes, but is not limited to, all contracts with the City, other than competitively bid, labor, or personal employment contracts) must disclose on the record any campaign contributions made to a member of the City Council or other elected or appointed officer of the City, any candidate for elected office of the City, or any candidate for elective office of any other agency who is also an elected or appointed officer of the City in excess of $250 in the past 12 months. This disclosure requirement includes contributions by the party's agent, such as a consultant, and aggregated contributions from persons or entities related to the party. Consultant is required to fill out and provide the attached Exhibit C 'Applicant/Interested Party Campaign Contribution Disclosure Form' with submission of this Agreement and to update this form after each contribution and no later than the beginning of any associated proceeding.

3.0 OBLIGATIONS OF CITY

3.01 **Cooperation**: City agrees to comply with all reasonable requests of Consultant necessary to the performance of Consultant's duties under this agreement. City employees, agents and officers of the City agree to disclose all information relevant to this project to Consultant. Consultant shall be entitled to reasonably rely upon the accuracy and completeness of information furnished by City, provided that Consultant shall give City prompt written notice of any known defects in such information.

4.0 TERMINATION OF AGREEMENT

4.01 **Termination Notice**: Notwithstanding any other provision of this agreement, any party hereto may terminate this agreement, at any time, without cause, by giving at least 30 (thirty) days' prior written notice to the other parties to this agreement.

4.02 **Termination on Occurrence of Stated Events**: This agreement shall terminate automatically on the occurrence of any of the following events:

a. Sale of the business of any party;

b. The end of the 30 (thirty) days as set forth in section 4.01;

c. End of the contract to which Consultant's services were necessary; or

d. Assignment of this agreement by Consultant without the consent of City.

e. Death of any party.

4.03 **Termination by any Party for Default**: Should any party default in the performance of this agreement or materially breach any of its provisions, the non-breaching party, at its option, may terminate this agreement, immediately, by giving written notice of termination to the breaching party.

4.04 **Termination**: This agreement shall terminate on **June 30, 2025**, unless earlier extended as set forth in this Section. The City, with the agreement of Consultant, is authorized to extend the term of this agreement beyond the termination date, as needed, under the same terms and conditions as set forth in this agreement. Any such extension shall be in writing and be an amendment to this agreement.

5.0 SPECIAL PROVISIONS

5.01 **Additional Tasks as May Be Assigned by the City Manager**: Prior to initiating any Consultant work on matters relating to the purposes of this Agreement, but outside the Scope of Services for this Agreement, it shall be the responsibility of Consultant to obtain written approval of the City Manager, prior to initiation of such tasks.

5.02 **Time Schedule**: Consultant is to begin work upon receipt and execution of City contract. Consultant agrees to engage its best efforts to adhere strictly to the schedule set forth in **Exhibit A** and incorporated herein.

5.03 **Work Outside Contract Scope**: No payment for changed or additional work shall be made unless the changed or additional work has first been approved in writing by the City Manager and the parties have agreed upon the appropriate adjustment, if any, to the payment schedule and maximum payment amount for the changed or additional work. The Contract Manger may order changes or additions to the scope of work. Whether a change or addition to the scope of work is proposed by the Consultant or ordered by the City Manager, the parties shall in good faith negotiate an appropriate adjustment, if any, to the payment schedule and maximum payment for the changed or additional work. An approved change or addition, along with the payment adjustment, if any, will be effective upon an amendment to this contract executed by both parties. The amendment shall not render ineffective or invalidate unaffected portions of this contract.

5.04 **Confidentiality:**

(a) Confidential Nature of Information. Consultant shall treat all information obtained from the City in the performance of this contract as confidential and proprietary to the City. Consultant shall treat all records and work product prepared or maintained by Consultant in the performance of this contract as confidential.

(b) Limitation on use and disclosure. Consultant agrees that it will not use any information obtained as a consequence of the performance of work for any purpose other than fulfillment of Consultant's scope of work. Consultant will not disclose any information prepared for the City, or obtained from the City or obtained as a consequence of the performance of work to any person other than the City, or its own employees, agents or

subcontractors who have a need for the information for the performance of work under this contract unless such disclosure is specifically authorized in writing by the City.

(c) Security plan. If requested by the City Manager, Consultant shall prepare a security plan to assure that information obtained from the City or as a consequence of the performance of work is not used for any unauthorized purpose or disclosed to unauthorized persons. Consultant shall advise the City of any request for disclosure of information or of any actual or potential disclosure of information.

(d) Survival. Consultant's obligations under this paragraph shall survive the termination of this contract.

6.0 MISCELLANEOUS

6.01 **Notices**: Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this agreement or by law to be served on or given to any party to this agreement shall be in writing and delivered or, in lieu of such personal service, when deposited in the United States mail, first class postage prepaid, to the following address for each respective party:

PARTY		ADDRESS
TO: CITY OF SOLVANG		City of Solvang 1644 Oak Street Solvang, CA 93463 Attention: City Clerk
	Copy to:	Chelsea O'Sullivan, City Attorney Richards, Watson & Gershon 847 Monterey Street, Suite 206 San Luis Obispo, CA 93401
TO: CONSULTANT		4Leaf, Inc. Kevin Duggan, Chief Executive Office, Secretary 2126 Rheem Drive Pleasanton, CA 94588

6.02 **Governing Law**: This agreement and all matters relating to this agreement shall be governed by the laws of the State of California in force at the time, should any need for interpretation of this agreement or any decision or holding concerning this agreement arise.

6.03 **Binding Effect**: This agreement shall be binding on and shall inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto, but nothing in this Section shall be construed as consent by City to any assignment of this agreement or any interest in the agreement.

6.04 **Remedies**: The remedies set forth in this agreement shall not be exclusive, but shall be cumulative with, and in addition to, all remedies now or hereafter allowed by law or equity.

6.05 **Due Authority**: The parties hereby represent that the individuals executing this agreement are expressly authorized to do so on and in behalf of the parties.

6.06 **Ownership of Work Product**: Upon delivery, the work product, including without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations

developed under this contract are the property of the City. Consultant agrees that all copyrights, which arise from creation of the work pursuant to this contract, shall be vested in the City and waives and relinquishes all claims to copyright or other intellectual property rights in favor of the City. City acknowledges that its use of the work product is limited to the purposes contemplated by the scope of work and that the Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by the scope of work.

6.07. **Integration and Modification**:

(a) This contract represents the entire understanding and agreement of the City and Consultant as to those matters contained herein. This agreement correctly sets forth the obligations of the parties hereto to each other as of the date of this agreement. All agreements or representations respecting the subject matter of this agreement not expressly set forth or referred to in this agreement are null and void. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This contract may not be modified, amended, or altered except in writing signed by the City and Consultant.

(b) In the event of any conflict between the terms of this agreement and the terms of an exhibit, the terms of this agreement shall control, even if the exhibit purports to modify this agreement. In the event an exhibit incorporates by reference any additional physical documents, websites, web links or other electronic location not under the control of the City, the parties agree that such additional documents shall have no impact on this agreement and shall be deemed to be void unless actually attached to the exhibit that purports to incorporate such additional document. Notwithstanding the foregoing sentence, the provisions of Section 2.05 of this agreement shall not be altered, amended, limited or otherwise affected in any manner by any language included in an exhibit to this agreement, even if such exhibit purports to affect the provisions of Section 2.05. Furthermore, any attempt to limit liability to the City that is expressed in an exhibit shall have no force or effect unless City has expressly agreed to such limitation by providing the initials of its authorized representative here: _____.

6.08. **Advice of Counsel**: The parties agree that they are aware that they have the right to be advised by counsel with respect to the negotiations, terms, and conditions of this contract, and that the decision of whether or not to seek the advice of counsel with respect to this contract is a decision which is the sole responsibility of each of the parties hereto. This contract shall not be construed in favor or against either party by reason of the extent to which each party participated in the drafting of the contract.

6.09. **Independent Review**: Each party hereto declares and represents that in entering this contract it has relied and is relying solely upon its own judgment, belief and knowledge of the nature, extent, effect and consequence relating thereto. Each party further declares and represents that this contract is being made without reliance upon any statement or representation not contained herein of any other party, or any representative, agent, or attorney of any other party.

6.10. **Attorney Fees:** In the event of any controversy, claim or dispute between the parties hereto, arising out of or relating to this agreement, or the breach hereof, the prevailing party shall be entitled, in addition to other such relief as may be granted, to a reasonable sum as and for attorney fees.

6.11 **No waiver:** The waiver of any breach by any party of any provision of this agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of this agreement.

6.12. **Assignment:** This agreement is specifically not assignable by Consultant to any person or entity. Any assignment or attempt to assign by Consultant whether it be voluntary or involuntary, by operation of law or otherwise, is void and is a material breach of this agreement, giving rise to a right to terminate as set forth in Section 4.03.

6.13. **Time for Performance:** Except as otherwise expressly provided for in this agreement, should the performance of any act required by this agreement to be performed by either party be prevented or delayed by reason by any act of God, strike, lockout, labor trouble, inability to secure materials, epidemics, pandemics, or any other cause, except financial inability, which is the fault of the party required to perform the act, the time for performance of the act will be extended for a period of time equivalent to the period of delay and performance of the act during the period of delay will be excused: provided, however, that nothing contained in this Section shall exclude the prompt payment by either party as required by this agreement of the performance of any act rendered difficult or impossible solely because of the financial condition of the party required to perform the act.

6.14 **Severability:** Should any provision of this agreement be held by a court of competent jurisdiction or by a legislative or rulemaking act to be either invalid, void or unenforceable, the remaining provisions of this agreement shall remain in full force and effect, unimpaired by the holding, legislation or rule.

6.15. **Construction:** The parties agree that each has had an opportunity to have their counsel review this agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this agreement or any amendments or exhibits thereto. The captions of the sections are for convenience and reference only, and are not intended to be construed to define or limit the provision to which they relate.

6.16. **Amendments:** Amendments to this agreement shall be in writing and shall be made only with the mutual written consent of all the parties to this agreement.

6.17. **Signatures**: The individuals executing this contract represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the parties have executed this contract on the following date.

CITY OF SOLVANG

David Brown, Mayor

ATTEST:

Annamarie Porter, City Clerk

CONTRACTOR
4LEAF, INC.

Kevin Duggan, Chief Executive Officer

APPROVED AS TO FORM
Richards, Watson & Gershon

Chelsea O'Sullivan, City Attorney

EXHIBIT A

SCOPE OF WORK,

FEE SCHEDULE

&

PROJECT SCHEDULE

EXHIBIT B

INSURANCE REQUIREMENTS

Prior to the beginning of and throughout the duration of the Work, Consultant will maintain insurance in conformance with the requirements set forth below. Consultant will use existing coverage to comply with these requirements. If that existing coverage does not meet the requirements set forth here, Consultant agrees to amend, supplement or endorse the existing coverage to do so. Consultant acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds available to City in excess of the limits and coverage required in this agreement and which is applicable to a given loss, will be available to City.

Consultant shall provide the following types and amounts of insurance:

Commercial General Liability Insurance using Insurance Services Office "Commercial General Liability" policy form CG 00 01, or a City approved equivalent. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. Limits are subject to review but in no event less than $1,000,000 per occurrence and in the aggregate.

Business Auto Coverage on ISO Business Auto Coverage form CA 00 01 including symbol 1 (Any Auto) or the equivalent. Limits are subject to review, but in no event to be less than $1,000,000 per accident. If Consultant owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Consultant or Consultant's employees will use personal autos in any way on this project, Consultant shall provide evidence of personal auto liability coverage for each such person.

Workers Compensation on a state-approved policy form providing statutory benefits as required by law with employer's liability limits no less than $1,000,000 per accident or disease.

Professional Liability or Errors and Omissions Insurance as appropriate shall be written on a policy form coverage specifically designed to protect against acts, errors or omissions of the consultant and "Covered Professional Services" as designated in the policy must specifically include work performed under this agreement. The policy limit shall be no less than $1,000,000 per claim and in the aggregate. The policy must "pay on behalf of" the insured and must include a provision establishing the insurer's duty to defend. The policy retroactive date shall be on or before the effective date of this agreement.

Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with an A.M. Bests rating of A- or better and a minimum financial size VII.

General conditions pertaining to provision of insurance coverage by Consultant. Consultant and City agree to the following with respect to insurance provided by Consultant:

1. Consultant agrees to have its insurer endorse the third party general liability coverage required herein to include as additional insureds City, its officials, employees and agents, using standard ISO endorsement No. CG 2010 with an edition prior to 1992, or a City approved equivalent. Consultant also agrees to require all contractors, and subcontractors to do likewise.

2. No liability insurance coverage provided to comply with this Agreement shall prohibit Consultant, or Consultant's employees, or agents, from waiving the right of subrogation prior to a loss. Consultant agrees to waive subrogation rights against City regardless of the applicability of any insurance proceeds, and to require all contractors and subcontractors to do likewise.

3. All insurance coverage and limits provided by Consultant and available or applicable to this agreement are intended to apply to the full extent of the policies. Nothing contained in this Agreement

or any other agreement relating to the City or its operations limits the application of such insurance coverage.

4. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved of in writing.

5. Consultant's general liability policy shall not contain any provision or definition that would serve to eliminate so-called "third party action over" claims, including any exclusion for bodily injury to an employee of the insured or of any contractor or subcontractor.

6. All coverage types and limits required are subject to approval, reasonable modification and reasonable additional requirements by the City, as the need arises. Consultant shall not make any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discovery period) that may affect City's protection without City's prior written consent.

7. Proof of compliance with these insurance requirements, consisting of certificates of insurance evidencing all of the coverages required and an additional insured endorsement to Consultant's general liability policy, shall be delivered to City at or prior to the execution of this Agreement. In the event such proof of any insurance is not delivered as required, or in the event such insurance is canceled at any time and no replacement coverage is provided, City has the right, but not the duty, to obtain any insurance it deems necessary to protect its interests under this or any other agreement and to pay the premium. Any premium so paid by City shall be charged to and promptly paid by Consultant or deducted from sums due Consultant, at City option.

8. Certificate(s) are to reflect that the insurer will provide 30 days notice to City of any cancellation of coverage by the carrier.

9. It is acknowledged by the parties of this agreement that all insurance coverage required to be provided by Consultant or any subcontractor, is intended to apply first and on a primary, non-contributing basis in relation to any other insurance or self insurance available to City.

10. Consultant agrees to require that subcontractors, and any other party involved with the project who is brought onto or involved in the project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the project will be submitted to City for review.

11. If Consultant's existing coverage includes a deductible or self-insured retention, the deductible or self-insured retention must be declared to the City. At that time the City shall review options with the Consultant, which may include reduction or elimination of the deductible or self-insured retention, substitution of other coverage, or other solutions. Consultant shall be responsible for paying any deductibles or self-insured retentions on its policies.

12. The City reserves the right at any time during the term of the contract to change the amounts and types of insurance required by giving the Consultant ninety (90) days advance written notice of such change. If such change results in substantial additional cost to the Consultant, the City will negotiate additional compensation proportional to the increased benefit to City.

13. For purposes of applying insurance coverage only, this Agreement will be deemed to have been executed immediately upon any party hereto taking any steps that can be deemed to be in furtherance of or towards performance of this Agreement.

14. Consultant acknowledges and agrees that any actual or alleged failure on the part of City to inform Consultant of non-compliance with any insurance requirement in no way imposes any additional obligations on City nor does it waive any rights hereunder in this or any other regard.

15. Consultant will renew the required coverage annually as long as City, or its employees or agents face an exposure from operations of any type pursuant to this agreement. This obligation applies whether or not the agreement is canceled or terminated for any reason. Termination of this obligation is not effective until City executes a written statement to that effect.

16. Consultant shall provide proof that policies of insurance required herein expiring during the term of this Agreement have been renewed or replaced with other policies providing at least the same coverage. Proof that such coverage has been ordered shall be submitted prior to expiration. A coverage binder or letter from Consultant's insurance agent to this effect is acceptable. A certificate of insurance and/or additional insured endorsement as required in these specifications applicable to the renewing or new coverage must be provided to City within five days of the expiration of the coverages.

17. The provisions of any workers' compensation or similar act will not limit the obligations of Consultant under this agreement. Consultant expressly agrees not to use any statutory immunity defenses under such laws with respect to City, its employees, officials and agents.

18. Requirements of specific coverage features or limits contained in this section are not intended as limitations on coverage, limits or other requirements nor as a waiver of any coverage normally provided by any given policy. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue, and is not intended by any party or insured to be limiting or all-inclusive.

19. These insurance requirements are intended to be separate and distinct from any other provision in this agreement and are intended by the parties here to be interpreted as such.

20. The requirements in this Section supersede all other sections and provisions of this Agreement to the extent that any other section or provision conflicts with or impairs the provisions of this Section.

21. Consultant agrees to be responsible for ensuring that no contract used between itself and its sub-consultants reserves the right to charge City or Consultant for the cost of additional insurance coverage required by this agreement. Any such provisions are to be deleted with reference to City. It is not the intent of City to reimburse any third party for the cost of complying with these requirements. There shall be no recourse against City for payment of premiums or other amounts with respect thereto.

22. Consultant agrees to provide immediate notice to City of any claim or loss against Consultant arising out of the work performed under this agreement. City assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve City.

PROPOSAL TO PROVIDE

BUILDING PLAN CHECK AND INSPECTION SERVICES

TO THE

CITY OF SOLVANG



4LEAF, INC.
4440 VON KARMAN AVE., STE. 300
NEWPORT BEACH, CA 92660
(949) 877-9432

JUNE 5, 2025

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PROPOSAL TO PROVIDE

BUILDING PLAN CHECK AND INSPECTION SERVICES

TO THE

CITY OF SOLVANG



SECTION 0

COVER LETTER

4LEAF, INC.

City of Solvang
1644 Oak Street
Solvang, CA 93463
Attn: Rafael Castillo, AICP, Planning and Building Manager

June 5, 2025

RE: Proposal to Provide Building Plan Check and Inspection Services to the City of Solvang

4LEAF, Inc. (4LEAF), is pleased to present our proposal to provide Building Plan Check and Inspection Services to the City of Solvang (City). 4LEAF has provided plan review, inspection, building official, and other related building department services to numerous public agencies throughout California for over 24 years. We look forward to the opportunity to provide these services to the City for upcoming projects. 4LEAF is uniquely qualified and is an ideal consultant choice for the following reasons:

☑ Familiar & Local Consultant

In 2019, 4LEAF provided the City of Solvang with Plan Review Services to support the City's Building Department. In addition to the City of Solvang, 4LEAF has provided Building and Safety services to numerous municipalities throughout Southern California. Our firm is more than capable of handling the requirements of the City. We have the staff necessary to address any needs the City may have in an on-site or remote capacity. Our current and previous clients include, but are not limited to:

- City of Artesia
- City of Chino Hills
- City of Gardenia
- City of Glendale
- City of Lancaster
- City of Lomita
- City of Orange
- City of San Fernando
- City of Seal Beach
- County of Santa Barbara
- County of San Luis Obispo
- County of Orange

☑ Full-Service Firm

As a full-service firm, 4LEAF can provide Professional Consulting services to aid with heavy project workloads that require additional staff assistance. We provide clients with Plan Review, Inspection, Planning, Permitting, Code Enforcement, and more. We have qualified staff available to serve the City with remote, on-site, part-time, or full-time project needs. 4LEAF will be providing the following services regarding the City's needs:

- **Plan Review:** 4LEAF is an industry leader in Plan Review services and has a team of Civil and Structural Engineers, Accessibility Specialists, Soil/Traffic reports, and Mechanical/Electrical/Plumbing/Fire Plans Examiners available to work on the City's projects. We provide courier services that guarantee less than 24-hour pickup and delivery of all plan reviews performed off-site.
- **Inspection:** We have over 200 inspectors on staff who specialize in Residential, Commercial, Industrial, Energy, Fire, ADA, Solar, and Public Works projects. We have a track record of providing inspectors as-needed for long- or short-term projects, including one day assignments to cover staff training, sick days, vacation days, or spikes in permit activity.
- **Civil Engineering:** We provide full-service civil engineering support for development projects, including grading, drainage, stormwater, and utility reviews. Our team of licensed professionals ensures timely and thorough plan checks for subdivision improvements, site development, and infrastructure design. With a strong understanding of municipal standards, we help streamline project delivery and maintain compliance with all applicable codes.

☑ Key Personnel

Marcus Johnson, CBO: Marcus has over two decades of professional experience working with jurisdictions and has comprehensive knowledge as an ICC certified Building Official, senior level inspector and plans examiner. As a director at 4LEAF, Marcus is responsible for managing all contracts regarding Building, Fire-Life Safety, Planning, and Code Enforcement services in Southern California.

Michael Loomis, SE, CBO, CASp, PMP: As 4LEAF's Director of Structural Engineering, Michael is responsible for managing 4LEAF's Plan Review clientele. He will be responsible for all expedited requests, quality control, and performance of critical plan reviews assigned by the City.

Peter Lim, CBO: Peter is well-versed in multiple Building and Safety Department disciplines including Building Inspection, Plan Review, and Building Official services. Currently, he manages 4LEAF's Southern California Inspection team.

Davison Chanda, PE: Davison serves as 4LEAF's Supervising Plan Review Engineer. With his extensive background in engineering, he is well qualified to lead 4LEAF's Southern California Plan Review team. Davison will oversee all plan reviews, ensuring that all reviews are performed accurately.

Vanessa Mota: As Plan Review Coordinator Manager, Vanessa supervises the internal routing and completion of plan reviews. Additionally, she is responsible for the training of 4LEAF's permit technician staff to ensure everyone is prepared to fit the needs of the municipality they are assigned.

☑ Primary Contact

The main point of contact we will have designated for the City will be Marcus Johnson, CBO. Marcus will serve as primary contact during the period of proposal evaluation as well as throughout the entirety of the contract. He is a valuable team member and skilled Project Manager who will dedicate his time and resources to fulfilling the needs communicated by the City.

PRESIDENT	PROJECT MANAGER	4LEAF LOCAL OFFICE
Kevin Duggan Office: (949) 877-9432 Fax : (925) 462-5958 Email: KDuggan@4leafinc.com	Marcus Johnson, CBO Office: (949) 877-9432 Mobile: (909) 996-0511 Email: MJohnson@4leafinc.com	4440 Von Karman Ave, Suite 300 Newport Beach, CA 92660 Office: (949) 877-9432 Website: 4LEAFINC.COM

We appreciate the opportunity to provide our proposal to the City. If any questions or concerns may arise, please do not hesitate to reach out.

Respectfully submitted,

Kevin J. Duggan
President

Marcus Johnson, CBO
Project Manager / Director of Southern California Operations

PROPOSAL TO PROVIDE

BUILDING PLAN CHECK AND INSPECTION SERVICES

TO THE

CITY OF SOLVANG



SECTION 1

STATEMENT OF QUALIFICATIONS

4LEAF, INC.

SECTION 1: STATEMENT OF QUALIFICATIONS

Background

4LEAF, Inc. (4LEAF) is a California "C" Corporation that was established in 1999 and incorporated in 2001. Our extensive team of engineers and managers are fully equipped with training and experience to provide complete services including code enforcement, plan check, CASp, inspection, permit technician assistance, professional development training, and other related professional and technical services to the City. Our goal is to set the industry standard for excellent customer service, and we have grown to over 400 personnel throughout California, Washington, Nevada, and New England, and we are able to serve any full-time or part-time need the City may have, regardless of scope and duration.

Firm Management

Marcus Johnson, CBO
PM / Director of SoCal Operations
Phone: (909) 996-0511
Email: MJohnson@4leafinc.com

Michael Loomis, SE, CBO, CASp, PMP
Director of Structural Engineering
Phone: (831) 620-2305
Email: MLoomis@4leafinc.com

Davison Chanda, PE
Supervising Plan Review Engineer
Phone: (949) 274-6966
Email: DChanda@4leafinc.com

Peter Lim, CBO
SoCal Inspection Manager
Phone: (626) 681-6371
Email: PLim@4leafinc.com

Office Locations

Newport Beach
4440 Von Karman Suite 300
Newport Beach, CA 92660

San Bernardino
424 E. Vanderbilt Way, Suite A
San Bernardino, CA 92408

San Deigo
402 W. Broadway Ste. 400
San Diego, CA 92101

Bay Area (HQ)
2126 Rheem Drive
Pleasanton, CA 94588

Monterey
409 Washington St., Suite 100
Monterey, CA 93940

4LEAF Consulting, LLC
157 E. Warm Springs Rd.
Las Vegas, NV 89119

Santa Rosa
2235 Mercury Way, Ste. 120
Santa Rosa, CA 95407

Arizona
2 N. Central Ave., Suite 1800
Phoenix, AZ 85004

New England
132 Central St., Suite 210
Foxboro, MA 02035

Professionals

Title	# of Staff	Title	# of Staff
ICC Certified Plans Examiners	55+	**Registered Engineers (PE, SE)**	20+
ICC Certified Inspectors & IORs	200+	**ICC Permit Technicians**	45+
Registered Architects	5	**ICC Certified Building Officials**	30+
Code Enforcement Staff (PC832)	85+	**CASp**	14
Construction Managers/Inspectors	40+	**Fire Plans Examiners & Inspectors**	30+

Mission

4LEAF strives to be the best firm by providing our clients with outstanding customer service and first-rate services. We put our philosophy into action by building client relationships and prioritizing the needs of our clients—this has led us to become an industry leader in providing Building & Fire Life Safety Services to both public and private clients. We have worked with municipal departments in the construction, rehabilitation, and repair of public and private buildings and have partnered with design review and preservation boards to determine building improvement criteria and associated project requirements. We have a depth of experience in working with all types of building structures and have performed Inspection and Plan Review services on more than $50 billion dollars in construction throughout the past 24 years.

We have provided plan review and inspection services for thousands of residential projects, tenant improvements, and complex commercial projects including marijuana facilities office campuses, parking garages, hotels/resorts, transportation facilities, city/county-owned buildings, universities, hospitals, sports arenas, infrastructure, essential service facilities, solar projects, and laboratories. In addition, our team has performed inspections and plan reviews for public and private building structures for compliance with life-safety and Americans with Disabilities Act (ADA) accessibility requirements.

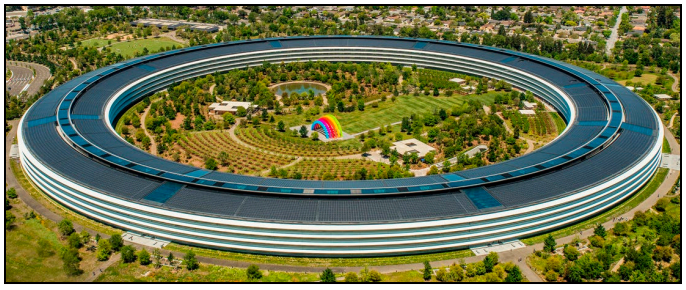
4LEAF has also been an industry leader across numerous other disciplines, such as Code Enforcement and Planning. Our Code Enforcement staff is dedicated to preserving and enhancing the quality of life for the residents in our client jurisdictions and work toward a goal of resolving problems efficiently and safely. Enforcing and upholding municipal codes is of utmost importance to us. Our Code Enforcement Division endeavors to improve communities through education, cooperation, and responsive enforcement.

We have a proven track record of reviewing and inspecting projects of all sizes and complexities including:

Type B Commercial Construction	Refinery Facilities	Laboratories
City/County-Owned Facilities	Site Work	Power & Energy
Large Campuses	Waterfront	Marijuana Facilities
Fire Recovery Services	Multi-Family Projects	Military Projects
Stadiums/Arenas	Healthcare Facilities	Essential Service Facilities
Commercial Office Parks	Transportation Facilities	Detention Facilities

Large Project Experience

4LEAF is uniquely qualified to work on projects of any size. Our team completed the Project Inspections for the entire $6 billion Apple Campus 2 Corporate Headquarters in the City of Cupertino, CA where we comprised a team of Building Inspectors and Permitting Specialists.



4LEAF also provided the Plan Review and Inspection services for the $2.6 billion Wynn Casino Project in the City of Everett, MA; San Jose State University's Interdisciplinary Science Building in the City of San Jose, CA; and the County Office Building III in the County of San Mateo.






We have the resources to deploy staff to any state and as you can see from the limited examples listed above, we have provided services all over the country. Our team is well-equipped and qualified to perform services for any project and in any location. By choosing 4LEAF, you are choosing a company that prides itself on quality work, top-notch customer service, experienced staff, and a multitude of project experience. Please review our scope of services and project examples in the sections that follow to gain more understanding about our firm and how we can help achieve the City's project goals.

Snapshot of Services

Plan Review / Inspection	Permitting	Code Enforcement
• LEED Accredited Professionals • Inspectors of Record • Program Analysis & Studies • Correcting Code Deficiencies • Investigating Complaints • Violation Issuance • Jurisdictional Inspectors • ICC-certified Plan Reviewers • Certified Accessibility Specialists • ICC-certified Building Officials • Building Dept. Services • Expedited Plan Reviews • On- and Off-Site Plan Review • Property Condition Surveys • Industrial, Energy, & Solar	• Over-the-counter reviews • Intake of plans • Routing for plan review • Assignment management • Hosting page turn sessions • Virtual permit technician services • Prepare approval packages • Inspection scheduling • Application Processing • Developing Submittal Forms • Solar Permitting • Property Research • Public interface • Special events permits	• Staff Augmentation Services • Department Assessments • Vendor Enforcement • Blight Enforcement • Substandard Housing • Lead Paint • Tobacco Enforcement • Short Term Rentals • RRP Training • ICC & CACEO Trainings • Rental Housing Programs • Cannabis Enforcement • Business License Enforcement • Parking Enforcement • Zoning

Staffing Plan and Qualifications

4LEAF's staffing model is designed to ensure that each project receives the highest level of expertise and attention. We pride ourselves on assembling the best team for every project, regardless of its scope or complexity. As your consultant, 4LEAF understands that our role is to advocate on behalf of City of Solvang and represent the City's best interests. 4LEAF's team will function as an extension of your staff, seamlessly integrating with the personnel and practices established by the City while adding the perspective and expertise that only 4LEAF can offer. Our goal, which we have successfully accomplished on previous clients' projects, is to integrate our staff with yours and be accepted as an essential part of the City. Below is an overview of key staff that will be directly involved in fulfilling the City's plan review and inspection needs:

Key Staff – Management Team

Marcus Johnson, CBO – Project Manager / Director of SoCal Operations



Marcus is a knowledgeable project manager and inspector with 20+ years of experience. Marcus is responsible for the day-to-day contact with many of 4LEAF's Building & Safety, Engineering, and Construction Management contracts. He manages many of our clients and is responsible for recruiting and placing staff throughout the organization. His experience encompasses the more complex field inspections of building construction, plumbing, mechanical, and electrical installations in residential, commercial, and industrial construction.

Office - (949) 877-9432 | Cell - (909) 996-0511 | Email – MJohnson@4leafinc.com

Michael Loomis, SE, CBO, CASp, PMP – Director of Structural Engineering



With more than 28 years of expertise in the industry, Michael has an excellent working knowledge of all types of construction, including architectural, structural, electrical, mechanical, and plumbing systems. He also has a strong background in civil engineering, providing developmental engineering plan review support to various projects. Michael is extremely committed and has shown dedication by obtaining multiple certifications through the International Code Council (ICC), and is a Certified Access Specialist, (CASp). Michael is an adaptable leader that quickly identifies departmental issues and solves them by utilizing his ample experience.

Office – (949) 877-9432 | Cell - (831) 620-2305 | Email - MLoomis@4leafinc.com

Davison (David) Chanda, PE – Supervising Plan Review Engineer



David is a Professional Engineer with 13+ years of structural design background with a focus on structural system analysis, design, and preparation of construction documents from inception to completion in accordance with overall project requirements. David's strengths include seismic and wind design analysis, steel design, timber design, reinforced concrete design, prestressed concrete design, foundation design, structural analysis, design of masonry structures, architectural drafting, electrical, mechanical/plumbing systems, and soil dynamics.

Office - (949) 877-9432 | Cell - (949) 274-6966 | Email – DChanda@4leafinc.com

Scott Martin, PE – Quality Control Manager / Senior Plan Review Engineer



Scott has over 27 years of engineering experience and has performed a multitude of plan review for many different project types including commercial structures, residential structures, schools, hospitals, and various municipal reviews for clients throughout the country. Scott's duties include the review of plans submitted to local jurisdictions, creation and submission of plan review letters, and constant communication with all project stakeholders.

Office - (949) 877-9432 | Cell - (559) 348-7101 | Email – SMartin@4leafinc.com

Peter Lim, CBO – Southern California Inspection Manager



Peter is a highly experienced ICC Certified Building Official and Building Inspector with over 27 years of experience working in the Building and Safety Department. He has an abundance of experience in Building Department day-to-day operations and an in-depth knowledge of Building Code, making him an asset to any Building and Safety Department. Peter utilizes excellent communication skills and has the unique ability to handle any situation that may arise. Peter can foresee and quickly resolve Building Code issues in the field and on plans, which allows him to effectively maintain excellent relations with staff, property owners, and design professionals.

Office - (949) 877-9432 | Cell - (626) 681-6371 | Email – PLim@4leafinc.com

Vanessa Mota – Plan Review Coordinator Manager



Vanessa is a highly motivated Plan Review Coordinator Manager that demonstrates commitment and teamwork. She is a dedicated professional with strong organizational skills, who is detail-oriented, conscientious and thorough; thrives in a fast-paced, dynamic environment. All while maintaining a positive working relationship with peers, management and customers, in an effort to achieve the highest level of business objectives. Vanessa has a proven ability to adhere to established procedures or implement new ones in order to streamline processes.

Office - (949) 877-9432 | Email - VMota@4leafinc.com

Key Staff – On-Call Supporting Personnel

Jay Shih, PE, CBO, CASp – Senior Plan Review Engineer / Accessibility Specialist

Jay is a veteran Building Inspector, Building Official, Accessibility Specialist, and Construction Manager with over 38 years of experience in the industry. Given his background in various specialties, Jay is an ideal team member who can adapt to any project, team, and municipality he is assigned. He has spent the entirety of his professional career working for public agencies and consulting companies providing highly skilled design, plan check, and construction management for buildings, sewers, storm drains, streets, sidewalk, curb ramps, grading, SWPPP, and WQMPs.

Shannon Yauchzee, PE – Senior Civil Engineer / Plans Examiner

With over 28 years of experience, Shannon is a veteran in the industry. He has served multiple municipalities as Public Works Director, Civil Engineer, Building Official, and Mechanical Inspector. Shannon specializes in infrastructure planning, reviewing and approving engineering plans for subdivision and private development projects, and managing the Capital Improvement Program. He collaborates with Planning and Building Departments on the planning and permitting of public facilities built through private development.

Charlie Kattan, PE – Plan Review Engineer

Charlie is a multi-state licensed professional civil engineer with 10 years of industry experience. He has extensive knowledge in civil design across commercial, industrial, manufacturing and public works sectors, which has provided him with excellent leadership skills, enabling him to collaborate effectively with a variety of teams and clients. With his deep knowledge of current California Building Codes, alongside his proficiency using leading design analysis and construction project management software, Charlie is an asset to any project he is a part of.

Miguel Valencia – Plans Examiner

Miguel has more than 17 years of customer service experience, over 10 of which were within the construction industry. He also possesses a working knowledge to examine plans and specifications for Residential and Commercial projects to ensure compliance with Residential, Building, Mechanical, Plumbing, Electrical, Energy Codes, regulations, and ordinances. Miguel has a demonstrated history of working with plans examination, accessibility consulting, and construction. His strong professional and interpersonal skills along his strong attention to detail, make him an asset to any plan review team.

Steven Raney, CBO, MCP, CASp – Senior Combination Building Inspector / Plans Examiner

Steven is an ICC Certified Building Official with more than 29 years of hands-on experience in facility construction and development, as well as multidisciplinary industrial research, production, and management. He is equally adept as an individual contributor or in a team environment with senior managerial experience. Steven has acted as a project lead directly responsible for design, construction, and commissioning of numerous capital improvement and build-out bio-tech projects. He has extensive hands-on research and production experience in all aspects of biotechnology science, process optimization, and implementation.

Robert Roberts – Senior Combination Building Inspector

Robert is a seasoned Building Inspector with more than 40 years of experience in the Building Inspection industry. Robert can evaluate established policies, processes and procedures, and recommend and implement related service improvements, prepare and submit reports, memos, and correspondence on code compliance, plan review, and permit issuance as well inspection related matters associated with resolving building inspection cases.

Christopher Garramone – Senior Combination Building Inspector

With over 43 years of specialized electrical field experience in all aspects of commercial and industrial electrical inspection, Christopher exhibits a valuable skillset and is an asset to each project he is assigned. His proven track record of maintaining expert communication skills with clients, craftsmen, contractors, and government agencies help bring projects in on time, on budget, and to successful completion of project goals. Christopher is skilled in his craft and has a wealth of energy experience that provides the needed time, effort, and quality to client projects.

Key Management Staff Resumes may be found on the following page. Additionally, Key On-Call Supporting Personnel Resumes are available upon request.

Marcus Johnson, CBO

Director of Southern California Operations

Experience
18+ years

Education
AA, Architectural Technology

Certifications
Safety Assessment Program Certified
ICC Certified Building Official
ICC Building Code Specialist
ICC Permit Specialist
ICC Building Plans Examiner
ICC Permit Technician
ICC Accessibility Inspector/Plans Examiner
ICC Commercial Plumbing Inspector
ICC Residential Plumbing Inspector
ICC Plumbing Inspector
ICC Commercial Building Inspector
ICC Residential Building Inspector
ICC CALGreen Inspector
SAP CA DSW Local Inspector

Professional Affiliations
International Code Council
California Building Officials
County Building Officials Assoc. of CA.
Los Angeles Chapter, ICC
San Diego Chapter, ICC
Sac. Valley Assoc. of Building Officials
Orange Empire Chapter. ICC
Coachella Valley, Chapter ICC

Experience Summary

Marcus is responsible for day-to-day contact with many of 4LEAF's valuable clients in the Building & Safety, Engineering, Code Enforcement, Planning, Construction Management, and Plan Check industries. Marcus manages numerous Building Department clients and is responsible for recruiting, qualifying, and placing staff throughout the organization.

Marcus has comprehensive experience as an ICC certified Building Official, senior level inspector and plans examiner. His experience encompasses the more complex plan review and field inspections of building construction, plumbing, mechanical and electrical installations in residential single, multi-family, commercial, and industrial construction. He is extremely knowledgeable of required compliance with applicable building, plumbing, electrical, energy, green, accessibility and mechanical codes along with applicable jurisdictional ordinances, state, and local statutes.

In addition, Marcus has implemented several multi-billion-dollar permitting programs stemming from wildfires in the Western United States including:

- County of Maui Recovery Permit Center: $10 Billion
- Jackson County, OR, Fire Recovery: $1.5 Billion
- Santa Cruz County Fire Recovery: $5 Billion
- Town of Paradise, Paradise Fire Recovery: $9.5 Billion
- Sonoma County Resiliency Permit Center: $5 Billion
- City of Malibu, CA, Fire Recovery: $5 Billion (Planning)

Select Project Experience

4LEAF, Inc.
Director of Southern California Operations / SAP Evaluator
2019 - Present
Marcus is 4LEAF's Director of Southern California Operations. Marcus's responsibilities include day-to-day contact with many of 4LEAF's clients in the Building & Safety, Engineering, and Construction Management industries. He also manages the recruitment and placement of our Building Department staff. Additionally, Marcus uses his extensive knowledge to answer any code-related question from stand and clientele. He ensures that all services provided to our Southern California client exceed standards.

Michael Loomis, SE, CBO, CASp, PMP

Director of Structural Engineering

Experience

28+ years

Education

MS, Structural Engineering, Santa Clara University, 2022

BS, Civil Engineering, , Santa Clara University, 2022

Additional Coursework:
Stanford University, San Jose State University, De Anza College, Foothill College, Skyline College, Monterey Peninsula College, CalPoly San Luis Obispo

Registrations

CA & NV Registered Professional Structural Engineer

CA, TX & FL Registered Professional Civil Engineer

NY Registered Professional Engineer

Certifications

ICC Certified Building Official

ICC California Building Plans Examiner

ICC CALGreen Plans Examiner

ICC Accessibility Inspector/Plans Examiner

ICC California Residential Building Inspector

ICC California Commercial Building Inspector

ICC Building Inspector

ICC Plumbing Inspector

ICC CA Residential Plumbing Inspector

ICC CA Commercial Plumbing Inspector

Certified Access Specialist, CASp

SAP Evaluator (CalOES)

Teaching and Accomplishments

"Accessibility in the Public Right-of-Way" CASI Central, Volume #8, Summer 2019

Adjunct Lecturer (Earthquake Engineering, Timber Design, Strength of Materials) Santa Clara University, Department of Civil Engineering 2008 - 2017

Experience Summary

With more than 28 years of expertise in the industry, Michael has an excellent working knowledge of all types of construction, including architectural, structural, electrical, mechanical, and plumbing. Michael is extremely committed and has shown dedication by obtaining multiple certifications through the International Code Council (ICC), and is a Certified Access Specialist, (CASp).

Michael has experience managing and overseeing the continual operations of the Building Department and has served as the Building Official for the cities of Salinas, Gonzales, and the Town of Woodside. Michael is an adaptable leader that quickly identifies departmental issues and solves them by utilizing his ample experience. He prides himself on his ability to problem solve and react well under pressure, while maintaining the effectiveness of his team.

Michael is a Registered Professional Structural Engineer in the states of California and Nevada and is a Registered Professional Civil Engineer in California, Texas, and Florida.

Select Professional Experience

4LEAF, Inc.

Director of Structural Engineering

2024 – Present

Michael is 4LEAF's Director of Structural Engineering for 4LEAF. Michael manages a large area of 4LEAF including the Silicon Valley and Monterey Areas and is responsible for the management of 4LEAF's nationwide technical plan reviews. Michael also performs critical commercial reviews on behalf of 4LEAF. In addition, Michael leads the firm in Plan Review recruitment and training to help bolster 4LEAF's team as well as additional contributions to the Building and Safety industry. Michael is a key contributor to our page-turn sessions for complex projects for Cities, Counties, Universities, and other Large Government agencies such as laboratories, when assigned.

Davison (David) Chanda, PE

Senior Structural Plan Review Engineer

Experience
13 + years

Education
M.S. Civil Engineering
CSU Long Beach, CA 2011
B.S. Civil Engineering (Minor in Construction Management)
Cal State Fresno 2007

Licenses/Certifications
Professional Engineer – Civil #83946
ICC, Building Plans Examiner

Affiliations
American Society of Civil Engineers
Structural Engineers Association of Northern California
International Code Council
Foothill Chapter

Experience Summary

David is a registered Engineer with more than 13 years of design background with a focus on structural system analysis, design, and preparation of construction documents from inception to completion in accordance with overall project requirements. David is also experienced with field structural observation to ensure their compliance with approved drawings and is experienced with RFI's and solutions for field conditions.

David's strengths include seismic and wind design analysis, steel design, timber design, reinforced concrete design, prestressed concrete design, foundation design, structural analysis, design of masonry structures, architectural drafting, electrical, mechanical and plumbing systems, and soil dynamics.

Select Professional Experience

4LEAF, Inc.
Senior Plan Review Engineer
2019 - Present
David joined 4LEAF as a Senior Plan Review Engineer and is responsible for the review of commercial and residential structures as well as Quality Control of other 4LEAF Plan Review personnel. Some of his recent assignments include the counties of San Bernardino and Los Angeles, where he leads structural plan reviews and page-turning sessions.

VCA
Senior Plan Check Engineer – Supervisor
2017 - 2019

RADCO
Plan Examiner
2015 - 2015

City of Rancho Cucamonga
Plans Examiner
2011 - 2012

Bureau Veritas
Plan Check Engineer
2015 - 2017

K.B. Leung and Associates (Structural Engineers)
Staff Engineer
2014 - 2014

Scott Martin, PE

Quality Control Manager / Civil, Structural & MEP Plan Review Engineer

Experience
27+ years

Education
B.S., Civil Engineering
University of California, Irvine

Certifications
CA Registered Civil Engineer
License # 59091
NV Registered Civil Engineer
License # 019922
ICC, Building Plans Examiner

Professional Affiliations
ICC – International Code Council
Structural Engineers of Northern California (SEAOC)
ASCE

Experience Summary

Scott has more than 27 years of engineering experience and has performed a multitude of plan reviews for many different disciplines including OSHPD 3, DSA Projects, and various municipal reviews for clients throughout California. Scott's day-to-day activities include the review of plans submitted to local jurisdictions, creation and submission of plan check letters, and constant communication with all project stakeholders.

In addition, Scott is often tasked with the education of building code to applicants. He is instrumental in establishing the new templates for all new clients to establish the municipal preferences for commercial and residential plan check and makes an asset to any team, project, and jurisdiction he is assigned.

Select Professional Experience

4LEAF, Inc.
Quality Control Manager / Senior Plan Review Engineer
2014 - Present
Since 2014, Scott has been 4LEAF's Senior Plan Review Engineer with a focus on Structural review. Scott has worked on a plethora of 4LEAF's largest commercial reviews. Currently, Scott reviewed the Zuckerberg Chen School for the City of East Palo Alto, several large Commercial Projects for the County of San Mateo's Project Development Unit including a $120 Million Medical Office Building, two large County facility buildings, and several large reviews for the University of California, Santa Barbara including the $1.5 Billion Munger Hall Project. In addition, Scott is 4LEAF's Lead Quality Control Plan Review Manager where he is responsible for the final reviews of all outgoing projects. Scott also regularly trains 4LEAF personnel (Engineers and non-structural) on various plan review guidelines and code updates.

In addition, Scott performed many large-scale plan reviews for the City including:

- Workday Campus (6 Stories) - $50M
- Stanford Medical Center (6 Stories) - $32M
- VMWare HTE Tenant Improvement - $25M
- Hilton Hotel and Underground Parking - $18M
- VMWare Parking Structure 2 - $14M
- Stanford Hospital Site Development - $13M
- 260 California (3 Story mixed-use & underground parking) - $10M
- Thermal Vacuum Chamber - $9.7M
- VMWare Parking Structure (4 Levels) - $6.8M
- 4-Story Tenant Improvement for Survey Monkey - $6.1M

Peter Lim, CBO

Southern California Building Inspection Manager

Experience
27+ years

Certifications
ICC Certified Building Official
ICC Certified Building Plan Examiner
ICC Certified Building Core Specialist
ICC Certified Building Inspector
ICC Certified Combination Dwelling Inspector

Experience Summary

Peter is a highly experienced ICC Certified Plans Examiner, Inspector, and Building Official with over 27 years of experience working in the Building and Safety Department. He has a broad experience in Building Department day-to-day operations, and in-depth knowledge of Building Code, making him an asset to any Building and Safety Department. Peter utilizes excellent communication skills and has the unique ability to defuse any situation that may arise.

Peter can foresee and quickly resolve Building Code issues in the field and on plans, which allows him to effectively maintaining excellent relations with staff, property owners, and design professionals.

Select Professional Experience

4LEAF, Inc.
Southern California Building Inspection Manager
2021 - Present
Peter is proficient in providing inspections, evaluations, approving construction of structural systems, and overseeing effective implementation of accessibility requirements. Peter has served in many different capacities including Building Official, Combination Inspector, and Plans Examiner. Peter has excellent communication skills and works well at the Counter with applicants. In addition, Peter can also provide over-the-counter plan check. Some of Peter's assignments from 4LEAF have included the Cities of Rialto, Whittier, Fontana, and Ventura County.

Transtech Engineering, Inc.
Building Official/Plan Checker
2020 - 2021

J Lee Engineering, Inc.
Building Official/Manager
2019 – 2020

CSG Consultant, Inc.
Building Official/Manager
2017 – 2018

Willdan Engineering
Building Official
2013 – 2017

City of Monterey Park
Interim Building Official
2003 – 2012

City of Baldwin Park
Senior Building Inspector
2001 – 2003

Charles Abbott and Associates
Building Inspector I
1998 – 2001

Vanessa Mota

Plan Review Coordinator Manager

Experience
15+ years

Education
Economic & Social Opportunity, Permit Technician I & II Program

Certifications
Permit Technician I & II Certificate
Computerized Office Specialist

Technical Abilities
Tyler Encode- Permitting Software
Naviline- Permitting Software
Metroscan, Geomedia, Microsoft Office, GIS

Experience Summary

Vanessa is a highly motivated Plan Review Coordinator Manager that demonstrates commitment and teamwork. She is a dedicated professional with strong organizational skills, who is detail-oriented, conscientious and thorough; thrives in a fast-paced, dynamic environment. All while maintaining a positive working relationship with peers, management and customers, in an effort to achieve the highest level of business objectives. Vanessa has a proven ability to adhere to established procedures or implement new ones in order to streamline processes.

Select Professional Experience

4LEAF, Inc.
Plan Review Coordinator Manager
2024 – Present
Vanessa is a dedicated team member who demonstrates natural leadership qualities in her position as Plan Review Coordinator Manager. She helps operate and maintain Building Departments by assisting customers, reviewing applications and plan submittals, collaborating with other departments and agencies, handling fees, and scheduling inspections. Her responsibilities as Permitting Manager include:

- Issuing and tracking permits throughout the course of the permitting process.
- Managing incoming and outgoing calls and obtaining appropriate permits for construction a variety of construction projects.
- Assisting applicants throughout the permit application process by answering questions, addressing concerns, and providing guidance.
- Coordinating and scheduling appointments for project inspections.
- Filing blueprints, permits, drawings, and other physical documents in addition to managing, retrieving, organizing, recording, and preserving data electronically.
- Collaborating with designers to develop handouts and other informational material for clients.
- Examining plans, blueprints, and other documents to verify accuracy and completeness according to the build code and assisting building inspectors.
- Serving as a liaison between the public and community development.

PROPOSAL TO PROVIDE

BUILDING PLAN CHECK AND INSPECTION SERVICES

TO THE

CITY OF SOLVANG



SECTION 2

PAST PERFORMANCES AND REFERENCES

4LEAF, INC.

SECTION 2: PAST PERFORMANCE AND REFERENCES

List of Familiar Local Agencies

In the past 24 years we have provided Community Development Services, including Building and Planning Department Support to approximately 500 clients nationwide. Below is a condensed list of our Southern California clients, that we have experience with or are currently performing similar services for:

Condensed List of Southern California Clients	
City of Solvang	City of Carpinteria
City of Santa Maria	City of Ventura
City of Thousand Oaks	City of Artesia
City of Avalon	City of Costa Mesa
City of Claremont	City of Compton
City of Culver City	City of Gardena
City of Glendale	City of Hawthorne
City of Hermosa Beach	City of Lancaster
City of Lawndale	City of Lomita
City of Long Beach	City of Malibu
City of Manhattan Beach	City of Maywood
City of Norwalk	City of Pasadena
City of Rolling Hills	City of San Fernando
City of San Marino	City of Santa Clarita
City of Signal Hill	City of Whittier
City of Santa Ana	City of Villa Park
City of Beaumont	City of Coachella
City of Menifee	City of Moreno Valley
City of Palm Springs	City of Riverside
City of Chino	City of Fontana
City of San Bernardino	City of Victorville
City of San Diego	City of Escondido
City of Coronado	City of San Marcos
County of Santa Barbara	County of Ventura
County of Los Angeles	County of Riverside
County of San Bernardino	County of San Diego

University of California, Santa Barbara, CA

Plan Review and Inspector of Record Services

4LEAF was selected to perform Plan Review and Inspector of Record services for several University buildings including a Bike Facility, Classroom project, Laboratory. 4LEAF works with University stakeholders throughout the process including design consulting and project documentation throughout the inspection process. To date, 4LEAF has provided IOR services and Plan Review services on **24 projects** for UC Santa Barbara. 4LEAF is currently providing the plan review and Inspector of Record services on the newest Campus Housing project:

San Benito Student Housing



4LEAF is providing the plan review and Inspector of Record services for UCSB's new student housing complex that will accommodate approximately 5,000 students. The project is split up into two phases, with Phase 1 construction of a new building at the corner of Mesa Road and Stadium Road, and Phase 2 will include infill and redevelopment of existing campus housing to add additional beds. The two phases of construction are concurrent and are currently on track for completion in Fall 2027.

The project valuation is **$550 Million** and is tracking for **LEED Gold**.

Biological Sciences II Seawater Tank Shoring



4LEAF is providing plan check services for Phase 3 of UCSB's new Biological Sciences II Seawater Tank Shoring project, located at Building 571. The plan review services include Building, Mechanical, Electrical, Fire, Plumbing, Energy, and Green Building Codes. The purpose of the plan review is to verify compliance with Title 24 of the California Code of Regulations. Additionally, 4LEAF's role is to facilitate all meetings and associated plan checks.

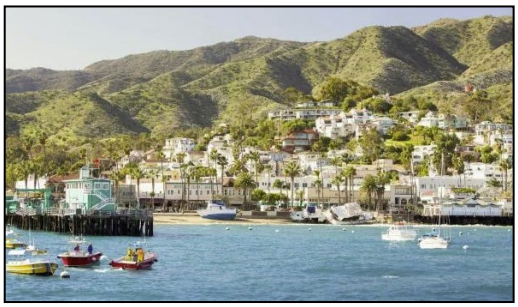
Agency Name: University of California, Santa Barbara
Client Contact: Edward Schmittgen, NCARB, CBO
Client Telephone: (805) 451-1186
Client Email: Ed.Schmittgen@UCSB.edu
Project Dates: 2020 – Present

City of Avalon

On-Call Building & Safety Building Official, Plan Review, Permit Inspection, and Emergency Response

4LEAF is currently performing Building Official On-Call Plan Check and Inspection for the City of Avalon for a NTE contract amount of $300,000. Since 2024, 4LEAF has provided onsite building official, inspector, front counter services on project types that include structural, civil, building, electrical, mechanical, plumbing, fire protection, energy (Title 24, accessibility, green building, LEED, Historical, Floodplain, WUI, and Title 25).

Plan Review



Our plan review scope includes reviewing plans for compliance with the current editions of the California codes, development approvals, and other applicable local, State, and Federal regulations. Additional responsibilities include providing a detailed list of deficiencies, making recommendations for approval, and resolving issues regarding reviewed plans. 4LEAF plan review staff assigned to the County shall be ICC-certified and professional engineers shall be licensed by the State of California. Additionally, we have a dedicated CASp plans examiner available for disabled access review. 4LEAF performs partial or emergency reviews over the counter and within 48-hours, with residential remodels and additions over the counter within 5 working days. Full Document Plan Reviews are completed within 10 working days and rechecks are completed within 5 working days.

Inspection

4LEAF provides certified and qualified inspectors to perform building code inspections in accordance with the current editions of the California Codes, pertinent local, State, and Federal regulations, and other rules and regulations. Additional responsibilities include reviewing the permit package to verify that on-site conditions are consistent with the County's records for development approvals, performing inspections of existing buildings for violations of building codes and ordinances as adopted by the County, researching properties for prior approvals and information regarding violations, etc.

Special Projects

These projects may include the preparation of engineered plan details, conducting training of a variety of code-related topics, performing Building Official duties, providing front counter services, etc.

Agency Name: City of Avalon
Client Contact: Jocelyn Francis
Client Telephone: (310) 510-0220 x127
Client Email: jfrancis@cityofavalon.gov
Project Dates: 2024 – Present

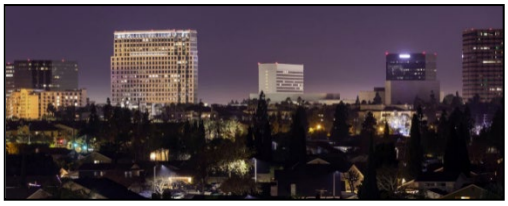
City of Costa Mesa

Fire & Building Plan Review, Inspection, Permit Technician, Engineering and Fire Prevention

4LEAF is currently providing On-Call Building, Engineering, Planning, and Fire Plan Check, Inspection, and related services, and has recently added Fire Prevention Services to the scope of work we are providing to the City. We provide on- and off-site plan reviews for all building codes, including fire code plan checks, architectural, structural, plumbing, mechanical and electrical plan checks. 4LEAF currently staffs six positions, including three Permit Technicians, two Inspectors, and one part-time Plans Examiner and ensures that all project deadlines are delivered as per the City's contract.

Services include:

- Checking for compliance with all applicable codes adopted by the City, including, but not limited to California Building, Mechanical, Plumbing, and Electrical Codes, Uniform Solar Energy Code, and any applicable adopted local amendments, State of California codes or regulations.
- Confirming building use, occupancy, and type of construction, and reviewing construction of buildings and structures to determine satisfaction of safety requirements.
- Coordinating building permit requirements and interface with City Departments and other agencies, including but not limited to the Public Works Department, Planning Division, the Costa Mesa Fire Department and County of San Bernadino as needed.
- Enforcing conditions of approval associated with discretionary permits regarding building and safety regulations, as adopted by the City.
- Providing special inspections by qualified inspectors and conducting investigations as directed by the City, including field and office research and the preparation of letters and/or documents.
- Preparing inspection logs, notice of violations and other documents of building and safety code violation cases for submittal to the City Attorney's office when prosecution action is necessary to obtain compliance with the above codes and regulations.
- Receiving, processing, and issuing building permits and coordinate the plan check and inspection process, including the tracking, routing and storage of building plans and the filing of building permit applications. Input information into the City's computer tracking system.



Agency Name: City of Costa Mesa
Client Contact: Silvia Kennerson, Senior Management Analyst
Client Telephone: (714) 754-5023
Client Email: silvia.kennerson@costamesaca.gov
Project Dates: 2020 – Present

PROPOSAL TO PROVIDE

BUILDING PLAN CHECK AND INSPECTION SERVICES

TO THE

CITY OF SOLVANG



SECTION 3

PROJECT PROPOSAL

4LEAF, INC.

SECTION 3: PROJECT PROPOSAL

Plan Review Services

4LEAF will provide Plan Review for any and all types of structures to ensure compliance with all adopted codes, local ordinances (including Tier 1 of Cal Green, if required) and State and federal laws that pertain to Building and Safety, and for compliance with the adopted International Code Council (ICC) Building, Plumbing, Electrical, Mechanical, National Fire Protection codes and standards, and the Accessibility and Noise and Energy Conservation requirements as mandated by the State of California Title 24, State of California Water Efficient Landscape Ordinance, the State of California Certified Access Specialist (CASp) compliance, and all other applicable ordinances. We provide these services for project types including Single-Family Dwellings, large Multi-Family Mixed-Use Dwelling Units, Commercial, and Industrial.

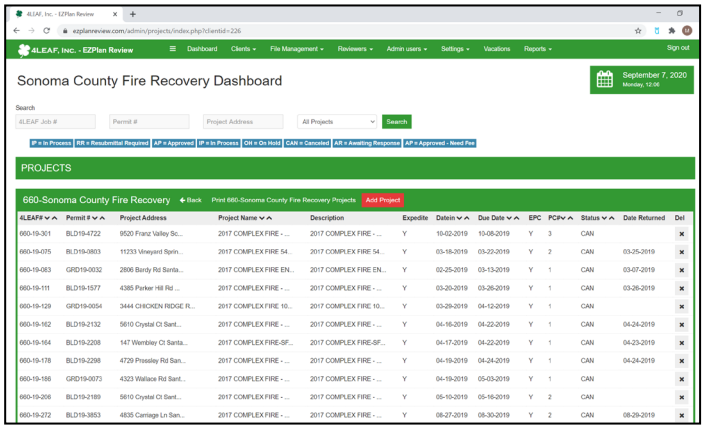
Approach

We understand that the specific building plan review responsibilities will include, but are not limited to:

- Examining plans, drawings, specifications, computations documents, soils reports, and additional data;
- Ascertaining whether projects are in accordance with applicable building and fire codes, and City ordinances, including but not limited to Title 24 and Title 25;
- Performing such reviews as structural, MEP, green building, fire and life safety, grading and drainage;
- Reviewing plans to ensure conformity to the required strengths, stresses, strains, loads, and stability as per the applicable laws;
- Reviewing plans to ensure conformity with use and occupancy classification, general building heights and areas, types of construction, fire resistance construction and protection systems, means of egress, accessibility, structural design, soils and foundations; and masonry;
- Providing additional plan review services as requested by the City;
- Conducting all plan review at the City Department or at a site mutually agreed upon in writing and;
- Supplying all plan review staff with all code books and other basic professional references.

4LEAF's EZPlan Review

EZPlan Review is our in-house tracking software that acts as a communication tool between 4LEAF and the jurisdictions we work with. The use of EZPlan makes communication easy. This web portal allows users visualize project due dates, notes, and status updates so that projects can be followed from start to finish. Additionally, 4LEAF provides electronically stamped and uploaded copies of approved project plans, a value which saves clients time and resources. With the use of EZPlan, 4LEAF hopes to provide a level of ease and transparency during the off-site plan review process.



QA/QC Review Process

Task 1 – Project Tracking Set-up

The first step of our process will be to set up the project in our system to enable 4LEAF and the City each to track the progress of the review. Our plan tracking procedures are designed to track each submittal throughout the review process and maintain accurate and comprehensive records for each submittal.

Task 2 - Complete Submittal Review

Upon receiving the plans from the City, 4LEAF will triage (preliminary plan review performed by 4LEAF plan review project lead) the submittal to verify that the submittal received is complete (i.e., all pertinent plans, calculations, reports, and other related documents) in order that we can begin our review. If the submitted package is incomplete, we will communicate with the City to discuss the deficient documents needed to proceed with our review.

Task 3 - Plan Review Assignment

After the triage process is performed and a complete package is verified, the project will be assigned to the most qualified Plans Examiner and a turnaround time will be established. We will log each application into our database the same day the plans are received to assure that they are routed in a timely manner and to allow for daily project tracking.

Task 4 - Plan Review

4LEAF will provide the project contact (Developer, Contractor, Architect, or Engineer) desired by the City with a list of any items needing correction and clarification to comply with applicable building codes, ordinances, and regulations. A correction list will be created based on the missing codes and ordinances.

Task 5 - Quality Control

Prior to submitting the plan review correction list to the City, the designated plan review project lead will review the correction list for adherence to applicable codes and ordinances as well as for accuracy and completeness. After completion of our quality control review a correction list will be e-mailed to a designated staff member at the City or as directed by the City. The correction list and a 4LEAF transmittal form will include the following information: a description of the work, type of construction, occupancy group, square footage, number of floors, and sprinkler requirements.

Task 6 - Plan Review Rechecks

Plans received for rechecks will be reviewed for conformance. Our goal is to actively work with the designers to resolve all unresolved issues after our second review. If it appears that there are complicated issues that might cause a project to go beyond our second review, we will communicate directly with the designer to resolve these concerns.

Task 7 - Project Approval

Once the final plan reviews are completed and ready for approval, 4LEAF will organize the plans and supporting documents per the City processing requirements and return them to the City, along with our letter of completion.

Turn-Around Times

4LEAF has a tremendous reputation for completing projects on-time and under budget. 4LEAF's plan review team is widely recognized for quick turn-around times and prompt service. Off-site plan reviews are performed at our office, with plans transmitted by personal delivery or overnight service. The standard turn-around time is within 10 business days for residential plan reviews and within 10 days for commercial/industrial plan reviews; however, these timeframes are negotiable based on your needs. **4LEAF also provides Fire Plan Review services**.

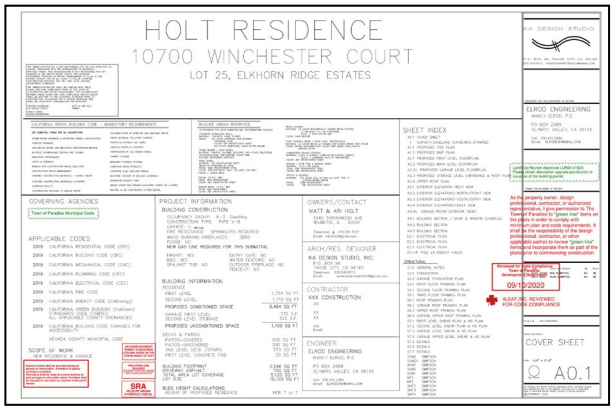
Type of Plans	Transportation	Initial Review	Resubmittal Review	Resubmittal Review #2	Expedited Review	Expedited Resubmittal
*Residential	< 24 Hours (pick up & delivery)	< 10 Days	< 5 Days	< 5 Days	< 5 Days	< 3 Days
**Multi-Family	< 24 Hours (pick up & delivery)	< 10 Days	< 5 Days	< 5 Days	< 5 Days	< 3 Days
Commercial	< 24 Hours (pick up & delivery)	< 10 Days	< 5 Days	< 5 Days	< 5 Days	< 3 Days
***Large Commercial > 15,000 s.f.	< 24 Hours (pick up & delivery)	Negotiable	Negotiable	Negotiable	Negotiable	Negotiable

***Larger complex plan reviews can be negotiated to achieve the best possible pricing. 4LEAF has a proven track record of working with municipalities to provide expedited reviews with special discounted pricing.**

Pick-up of all plans will be performed by 4LEAF staff within 24 hours of the City's phone call or e-mail at no additional cost, 4LEAF staff will transport the plans to and from the City upon a phone call to the 4LEAF office or simply e-mail pickup@4leafinc.com.

Document Control

When plans and documents are received for review, 4LEAF's Plan Review Manager and Document Control Technician analyze the project, creates a job number, and completes a Job Setup Sheet. This form highlights both the jurisdiction, applicable contact information, and all project specific design criteria and notes. Jobs are then transmitted through 4LEAF's easily accessed EZPlan Review Portal which tracks initial and subsequent reviews and is open for view by the client. The City and their customers can view 4LEAF's plan review control log through 4LEAF's EZPlan Review Portal.



Plans then get distributed for review to a 4LEAF team consisting of Plan Review Engineers, Architect (a licensed state professional) and/or an ICC Certified Plans Examiner, as applicable. Our staff then performs his or her function of analyzing the plans and documentation for effective conformance to the state codes, referenced construction standards, and City amendments. 4LEAF's code review methodology is "The Effective Use of the Codes" reinforced through proprietary and jurisdictional checklists. When complete, the Plan Review Manager overviews the project for quality control purposes and forwards comments or approvals to the client's pre-designated contacts.

On- and Off-Site Review

4LEAF can supply Registered Professional Engineers to the City to work on-site performing structural plan review and non-structural reviews at the jurisdiction's discretion. Our experience includes checking for compliance with the structural, life-safety, accessibility, plumbing, mechanical, electrical, fire, and local codes/ordinances.

Off-Site Electronic Plan Review

Digital plan review allows 4LEAF the ability to review, markup and transport plans of any size electronically. We strongly encourage this service for our clients. This process delivers a high degree of cost effectiveness, time efficiency and a "green" and environmentally friendly system. Through our strong focus on utilizing this digital capability, we offer full access to all 4LEAF engineers and plans examiners company-wide, from any of our office locations. A protected online portal will be established to allow property owners, contractors, developers, businesses, designers, and stakeholders to submit plans electronically for review. Access to the online portal will be given to City staff for immediate access to information regarding project status during the review process.

4LEAF has successfully implemented and used **Bluebeam** for electronic review of files to help eliminate the use of paper and take the plan review workflow to a whole new level. 4LEAF's offices are equipped with large scale monitors for easy review of plans. Bluebeam Revu combines powerful PDF editing, markup, and collaboration technology with reliable file creation. Bluebeam integrates flawlessly with our Green Line approach for electronic and timely turnarounds resulting in permit issuance within 5-7 business days.

Process Mapping

4LEAF aims to bring departmental processes together by identifying and eliminating obstacles to streamline processes. Our subject-matter experts visit each department within a jurisdiction to conduct an analysis of existing processes, identify how best to streamline separate departmental processes to improve workflow, and provide guidance and recommendations on an improved work plan. 4LEAF implementation staff work both on- and off-site during this process and offer extensive training to existing municipal staff members on the use of a jurisdiction's preferred permitting software.

Additional Technologies

Having served approximately 500 jurisdictions, 4LEAF and our staff are knowledgeable and have experience working with a variety of different technologies for Electronic Plan Review, Permit Tracking, and Building Inspections. 4LEAF's experience with tracking technologies includes, but is not limited to:



Civil Plan Review Services

4LEAF will provide civil engineering review and support for any and all types of private development to ensure compliance with the City's Standard Specifications, Municipal Code, project specific conditions of approval, and with all other adopted codes, and Caltrans Standards (where applicable), and for compliance with State of California Water Efficient Landscape Ordinance, the State of California Certified Access Specialist (CASp) compliance, and all other applicable ordinances. We provide these services for development projects including single-family subdivisions, affordable housing projects, multi-family and mixed-use developments, commercial, and Industrial civil improvements. We also provide services for tentative, parcel, and final map review, easement and right-of-way dedication and abandonment, and lot line adjustments and mergers.

Understanding

4LEAF understands the City's need for timely and reliable On-Call Civil Improvement Plan Check Services. Our team will complete plan reviews within required timeframes, deliver electronic comments, and support staff and applicants with technical expertise. Our team reviews grading, drainage, utilities, erosion control, floodplain compliance, and technical reports to ensure conformance with City standards, FEMA regulations, and Master Plans. 4LEAF is fully committed to supporting the City's development goals.

Approach

We understand the development process from entitlement to certificate of occupancy. **Our civil engineering services responsibilities will include, but are not limited to:**

- Examining rough grading, civil, and backbone infrastructure plans, specifications, geotechnical and drainage reports, feasibility studies, and additional analyses.
- Ascertaining whether development construction documents adhere to the City's standard specifications, municipal code, development conditions of approval, and all other adopted codes and ordinances.
- Performing such reviews on improvement plans including grading, drainage, sanitary sewer, water, raw water, storm drainage, and joint utilities.
- Reviewing plans to ensure conformity to the City Council approved development entitlement, ensuring that all entitlement conditions are either adhered to or completed.
- Reviewing landscaping plans to ensure conformity with the Model Water Efficient Landscaping Ordinance (MWELO).
- Reviewing tentative, parcel, and final maps, lot line adjustments, mergers, and easement and right-or-way documents for compliance with the California Subdivision Map Act and the City's municipal code.
- Collaborate with the City's Fire Department to address wildfire and latter fuel management concerns associated with new development.
- Supplying the City with civil improvement and mapping submittal checklists to ensure that applicants have a complete understanding of what is required.
- Reviewing construction cost estimates for accuracy, current market values, completeness, and transparency.
- Ensuring conformance with the City's Storm Drain Master Plan and Stormwater Post-Construction Stormwater Standards Manual requirements.

Building Department Services

4LEAF has a proven track record of providing Building Officials and Permit Technician/Counter staff to jurisdictions. 4LEAF can deploy such staff on short notice and offer training programs for department staff, if required. Our staff encompasses the right combination of experience, education, and certifications.

Building Official

The 4LEAF Interim Building Official can provide in-house plan reviews to the City, limiting the amount of projects distributed to outside consultants and helping the City achieve significant cost savings. The Building Official will act as an adjunct staff member to the City and work with City personnel and various departments to perform professional building services including but not limited to plan review, permit technician, building inspection, and code enforcement.

Staff qualifications for this role include evaluating and documenting projects for compliance with applicable building standards and housing codes, on- and off-site plan review, staff augmentation, and other building department related tasks. Proposed staff for this role will be appropriately trained and certified for all work.

Permit Technician



4LEAF Permit Technician Staff must be experienced and dedicated to serving the public at the Planning and Building Department counter. 4LEAF has numerous Permit/Counter Technicians on staff, many who are currently assigned to Building Departments throughout the state. All staff will have the materials, resources, tools, and training required to perform the job. Typical Permit Technician duties include:

- Accepting plans for plan check
- Verification that plans are accurate and complete
- Calculating permit fees
- Explaining ordinances and procedures to owners, contractors, developers, architects, and the public
- Assisting with preparation of permit applications
- Receiving plans for Planning and Building permits and route to various agencies (if requested)
- Accepting complaints on code violations, process, and record complaints
- Answering phone calls for field and office staff
- Processing inspection requests
- Maintaining files for building permits
- Operating the Building Department's computerized information system
- Inputting a variety of information, including building permits and inspections
- Completing related duties and responsibilities as assigned by Building Official and Senior staff members

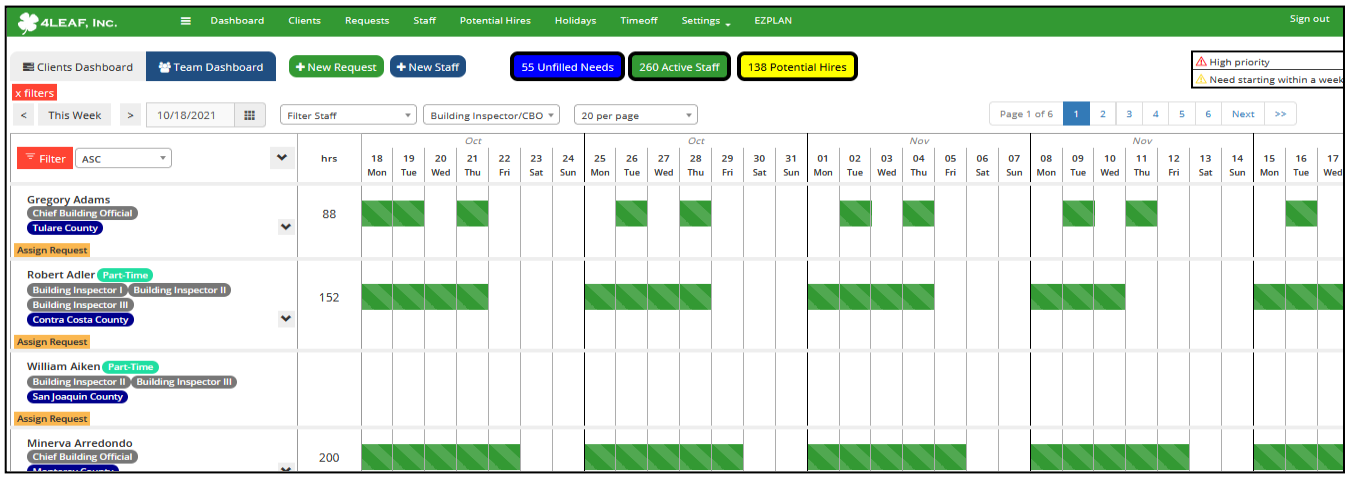
Placement Schedule

Building Department Staff	Interim	Full-Time
Permit Technician (ICC Certified)	< 2 Days	< 5 Days
Assistant Permit Technician/ Counter Staff	< 2 Days	< 5 Days
Building Official	< 2 Days	< 15 Days

Inspection Services

4LEAF has a team of more than 200 ICC Certified Building Inspectors, OSHPD/DSA Inspectors of Record, Fire Personnel, and Construction Inspectors working on various contracts. 4LEAF has a team committed to work throughout California who will remain for the duration of projects to ensure we capture the goals and performance that have made our inspection system successful. With our diverse and exceptionally qualified inspection staff, we are confident in our ability to provide **Residential Building, Commercial Building, Combination Residential, and Combination Commercial Inspector(s)** to the City.

We maintain the largest database of qualified inspectors of varied qualifications. Inspectors vary from current full-time inspection staff, idle staff (temporarily between assignments), and pre-qualified staff which include inspectors who are available subject to client demand. 4LEAF's inspectors are all ICC Certified and experienced working within a municipal work environment. 4LEAF will provide inspectors with all the necessary tools, equipment, and current code books sufficient to facilitate all required inspections. **4LEAF can provide interim or full-time inspectors same-day or within one business day—**simply call, email, or text our assigned Project Manager for an immediate response. Our on-call database is utilized for all our clients for as-needed requests.



Periodic Inspection Services → Available Next Day

4LEAF can fulfill inspection requests immediately upon request including same day. 4LEAF has a wealth of local and available inspectors ready to serve the City. In addition, 4LEAF has a proven track record of providing such services to a number of different building departments.

Part-Time Inspection Services → Available Next Day

4LEAF will provide the City with part-time inspectors upon request. 4LEAF can provide part-time staff within 24 hours of request for any duration of time. 4LEAF's Project Manager will work closely with the department to identify the right personnel and determine the appropriate work schedule.

Full-Time Inspection Services → Available Two Days or Less

4LEAF can provide full-time inspectors upon request. 4LEAF provides this service regularly to many clients throughout Southern California, Northern California, Central Valley, Central Coast, Sacramento Valley, Peninsula/South Bay, East Bay, and North Bay.

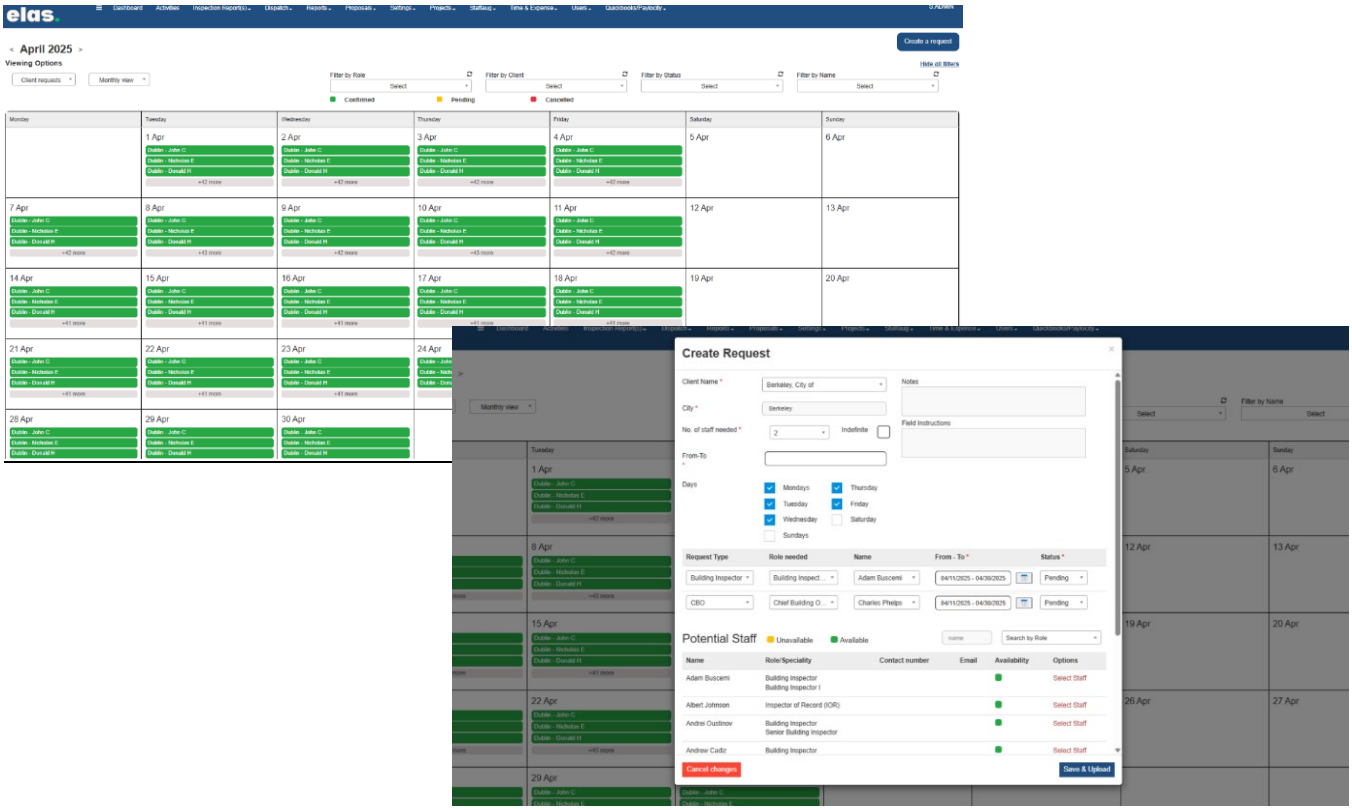
Project Specific Inspection Services → Available Two Days or Less

4LEAF is often tasked with providing inspection services to large projects on behalf of municipalities. 4LEAF currently handles large-scale projects for such clients as the City of Palo Alto, City of Cupertino, etc. These projects are developer funded into a separate City account which is distributed to 4LEAF using a separate invoice and contract number. This is particularly helpful to fast paced projects looking for continuous inspection services over a short period of time (i.e. 6 - 36 Months).

Inspection Technology

4LEAF has extensive experience working with various inspection reporting technologies, including **elas**.™ and GoFormz which 4LEAF used this for all scopes of the Apple 2 Campus **(~$8 Billion)**, and for the Encore Boston Harbor Casino **(~$2.6 Billion)**, San Mateo County Project Development Unit **(~$1.1 Billion)**, and at San Jose State University **(~$1 Billion)**. Innovative technology allows every piece of information collected on a project to be accessible by all staff as every inspection report is stored securely and safely in the cloud. The information can be accessed through a user's web account where any inspection report can be viewed, and reports can be ran using stored project data. With inspection technology, 4LEAF inspectors are able to leave detailed notes under the inspections and observations box and instantaneously attach pictures to reports to show the items inspected. By means of an iPad, inspectors sign reports using a mobile signature block and attached pictures of the item inspected that were taken using the iPad.

elas.™ Page View



PROPOSAL TO PROVIDE

BUILDING PLAN CHECK AND INSPECTION SERVICES

TO THE

CITY OF SOLVANG



SECTION 4

CONTACT INFORMATION FOR THE RESPONSIBLE PARTY

4LEAF, INC.

SECTION 4: CONTACT INFORMATION FOR THE RESPONSIBLE PARTY

Project Management Contact Information

Marcus Johnson, CBO – Project Manager / Director of SoCal Operations



Cell	Office	Email
(909) 996-0511	(949) 877-9432	MJohnson@4leafinc.com

Michael Loomis, SE, CBO, CASp, PMP – Director of Structural Engineering



Cell	Office	Email
(831) 620-2305	(949) 877-9432	MLoomis@4leafinc.com

Davison (David) Chanda, PE – Supervising Plan Review Engineer



Cell	Office	Email
(949) 274-6966	(949) 877-9432	DChanda@4leafinc.com

Scott Martin, PE – Quality Control Manager / Senior Plan Review Engineer



Cell	Office	Email
(559) 348-7101	(949) 877-9432	SMartin@4leafinc.com

Peter Lim, CBO – Southern California Inspection Manager



Cell	Office	Email
(626) 681-6371	(949) 877-9432	PLim@4leafinc.com

Vanessa Mota – Plan Review Coordinator Manager



Office	Email
(949) 877-9432	VMota@4leafinc.com

PROPOSAL TO PROVIDE

BUILDING PLAN CHECK AND INSPECTION SERVICES

TO THE

CITY OF SOLVANG



SECTION 5

COST OF SERVICES

4LEAF, INC.

SECTION 5: COST OF SERVICES

FY2025-2026 FEE SCHEDULE & BASIS OF CHARGES

FOR THE CITY OF SOLVANG

All Rates are Subject to Basis of Charges

PLAN REVIEW COST STRUCTURE	NOTES
Plan Review Percentage: 55% *(Inclusive of all disciplines except Fire and Civil which are billed on an hourly basis)* **Hourly Plan Review**: $140 Non-Structural Review $160 Structural Review	Fee includes: ➢ Initial review and two (2) rechecks. Hourly charges apply after three (3) or more rechecks. ➢ Shipping, courier, and electronic service.

Building

Chief Building Official $170/hour
Deputy Building Official $145/hour
Structural Plan Review Engineer $160/hour
Non-Structural Plans Examiner $140/hour
Civil Engineer (Grading, Improvement Plans) $175/hour
Certified Access Specialist (CASp) Inspector $155/hour
Certified Access Specialist (CASp) Plans Examiner $155/hour
Stormwater Compliance Inspector $145/hour
Senior Combination Building Inspector (Building Inspector III) $130/hour
Commercial Building Inspector II $115/hour
Building Inspector I $100/hour
Permitting Manager $100/hour
Lead / Senior Permit Technician $95/hour
Permit Technician $85/hour
Administrative Assistant $75/hour
Inspector of Record $145/hour
DSA Class 1 / HCAI A Inspector $170/hour
DSA Class 2 / HCAI B Inspector $140/hour
DSA Class 3 / HCAI C Inspector $100/hour
elas Software ..... $50/user monthly

Fire Services

Fire Protection Engineer (FPE) $205/hour
Fire Plans Examiner $155/hour
Fire Inspector I $140/hour
Fire Inspector II $155/hour

Project Management

Project Manager $200/hour
Principal-in-Charge $245/hour

BASIS OF CHARGES

Rates are inclusive of "tools of the trade" such as forms, telephones, and consumables.

- All invoicing will be submitted monthly.
- Staff Augmentation work (excluding plan review) is subject to 4-hour minimum charges unless stated otherwise. Services billed in 4-hour increments.
- Most plan reviews will be done in 10 business days or less and 5 business days or less for re-checks. This is not inclusive of holidays or the day of the pick-up of plans.
- Expedited reviews will be billed at 1.5x the plan review fee listed in the fee schedule. Return time will be within seven (7) days of receipt of the plans from the City.
- Plan review of deferred submittals & revisions will be billed at the hourly rates listed.
- All plan review services will be subject to a $300.00 minimum fee if percentage-based fee or 2-hour minimum charge if hourly rates apply.
- Larger complex plan reviews can be negotiated to achieve the best possible pricing.
- All plan review services will be subject to 2-hour minimum fee.
- All plan review services are billed on a percentage basis and include the initial review and 2 rechecks.
    - Plan reviews will be billed on an hourly basis only after the initial review and 2 rechecks unless otherwise agreed upon on a case-by-case basis.
    - Fire and Civil Reviews are billed on an hourly basis and are not included in our plan review percentage.
- 4LEAF assumes that these rates reflect the FY2025-2026 contract period. There will be a 3% escalation for FY2026-2027, FY2027-2028, and so on.
- Overtime and Premium time will be charged as follows:
    - *Regular time (work begun after 5AM or before 4PM)* — *1 x hourly rate*
    - *Nighttime (work begun after 4PM or before 5AM)* — *1.125 x hourly rate*
    - *Overtime (over 8-hour M-F or Saturdays)* — *1.5 x hourly rate*
    - *Overtime (over 8 hours Sat or 1st 8-hour Sun)* — *2 x hourly rate*
    - *Overtime (over 8 hours Sun or Holidays)* — *3 x hourly rate*
- Overtime will only be billed with prior authorization of the Director or other designated City personnel.
- All work with less than 8 hours rest between shifts will be charged the appropriate overtime rate.
- Mileage driven during the course of Inspections will be charged at cost plus 20%.
- Payment due on receipt. All payments over 30 days will be assessed a 1.5% interest charge.
- Client shall pay attorneys' fees, or other costs incurred in collecting delinquent amounts.
- Client agrees that 4LEAF's liability will be limited to the value of services provided.
- In accordance with California's Meal Break and Rest Break Law requirements, Client will be billed one (1) additional hour per day at the regular rate for each missed meal or rest break due to Client-directed tasks or requirements. Client should allow 4LEAF's non-exempt, hourly employees the opportunity to take their entitled rest and meal breaks during each work shift.

CITY COUNCIL STAFF REPORT

AGENDA ITEM 8.c

Meeting Date: July 14, 2025

SUBJECT: **Discussion and Possible Action to Approve the Agreement with XIT Inc. dba XIT Solutions for Surveillance Camera Purchase and Services in the Amount Not-to-Exceed $147,407.01 for the Term July 1, 2025 – Dec 31, 2028 and Authorize the Mayor to Execute the Contract**

PREPARED BY: Olivia Uribe Mutal, Assistant to the City Manager

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DISCUSSION:
On February 2025, the City Council directed staff to explore expanding and modernizing Solvang's video surveillance capabilities to enhance public safety, support emergency response, and protect public assets within a defined use case. In consultation with the Santa Barbara County Sheriff's Office, staff identified seven strategic downtown locations for a pilot program. A Request for Proposals (RFP) was then issued for the design, installation, and maintenance of an AI-enabled surveillance camera system as part of the Downtown Corridor Surveillance Project. The RFP outlined requirements, including high-resolution video (minimum 5MP), artificial intelligence features, detailed analytics, and secure cloud-based storage. A mandatory site walkthrough was held on May 30, 2025, with fourteen vendors in attendance. Five proposals were submitted by the June 20th deadline.

Following a thorough review of qualifications, approach, and cost, two finalists emerged, both proposing the use of the Verkada camera system—a cloud-managed platform offering AI-enabled features, centralized monitoring, and long-term hardware support. Locations for camera installation have been identified throughout the downtown area, based on safety risks and infrastructure considerations. Staff recommends moving forward with this pilot deployment as a first phase, with future expansion to be considered following evaluation of system performance and operational impact.

Staff recommends that the Council approve the Agreement with XIT Inc., doing business as XIT Solutions, for the purchase of surveillance cameras and services in the amount not-to-exceed $147,407.01 for the term from July 1, 2025, to December 31, 2028. This term also includes the installation of the hardware and a 3–year camera licensing agreement.

Staff recommends XIT Solutions based on their strong technical approach, public sector experience, and their status as a Verkada Gold Partner. Founded in 1994 and headquartered in Bakersfield, XIT has delivered over 50 public works and infrastructure projects for government clients across California and Nevada. Their 25-person in-house team includes certified technicians, project managers, and engineers with credentials in low-voltage systems, OSHA safety, structured cabling, and Verkada's entire product suite. Their proposal demonstrated an understanding of Solvang's infrastructure and identified appropriate AI-enabled solutions tailored to each of the City's seven pilot locations. Their proposal also included proactive considerations for backup power, network limitations, and future scalability of the system.

ALTERNATIVES:

1. Approve the Agreement with the selected vendor and authorize implementation of the Downtown Corridor Surveillance Pilot Project.

2. Request modifications to the contract scope, cost, or implementation timeline and return with a revised agreement.

3. Reject all proposals and direct staff to reissue the RFP or explore alternate technologies and funding sources.

FISCAL IMPACT:
The total contract cost shall not exceed $147,407.01 and will cover the full scope of services, including equipment procurement, installation, training, software licensing, and support for the term July 1, 2025 – Dec 31, 2028. This project is funded through the City's approved Capital Improvement Program budget for Fiscal Year 2025–26.

ATTACHMENTS:
A. Agreement

CITY OF SOLVANG
PROFESSIONAL SERVICES AGREEMENT

PARTIES AND DATE. This Agreement is made and entered into **this 14th** day of **July, 2025** ("Effective Date") by and between the **CITY OF SOLVANG**, a Municipal Corporation and Charter City organized under the Constitution and laws of the State of California with its principal place of business at 1644 Oak Street, Solvang, CA 93463 ("City") and **XIT INC dba XIT SOLUTIONS** a California Corporation with its principal place of business at 1112 20th Street, Bakersfield, California 93301("Consultant"). City and Consultant are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement for Surveillance Camera Purchase and Services **in the Amount Not-to-Exceed $147,407.01 for the Term July 1, 2025 – Dec 31, 2028**. The parties hereto, in consideration of the mutual covenants contained herein, hereby agree to the following terms and conditions:

1.0 GENERAL PROVISIONS

1.01 **Term**: This agreement will become effective on the date of execution set forth below, and will continue in effect until terminated as provided herein.

1.02 **Services** : Consultant shall perform the **scope of work (tasks)** described and set forth in **Exhibit A**, attached hereto and incorporated herein as though set forth in full. Consultant shall complete the tasks according to the **project schedule** which is also set forth in **Exhibit A**.

Consultant shall determine the method, details and means of performing the above-referenced services.

Consultant may, at their own expense, employ such assistants and subconsultants, as Consultant deems necessary to perform the services required of Consultant by this agreement. However, Consultant may not assign this agreement to any other person or entity in the performance of required project-related services, and the City may not control, direct or supervise Consultant's assistants or employees in the performance of those services.

1.03 **Standard of Performance:** Consultant's services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant's profession currently practicing under similar conditions. Whenever the scope of work requires or permits approval by the City, it is understood to be approval solely for the purposes of conforming to the requirements of the scope of work and not acceptance of any professional or other responsibility for the work. Such approval does not relieve the Consultant of responsibility for complying with the standard of performance or laws, regulations, industry standards, or from liability for damages caused by negligent acts, errors, omissions, noncompliance with industry standards, or the willful misconduct of Consultant or its subcontractors. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this contract and all applicable federal, state and local laws. If Consultant is retained to perform services requiring a license, certification, registration or other similar requirement under California law, Consultant shall maintain that license, certification, registration or other similar requirement throughout the term of this Contract.

1.04 **Compensation**: In consideration for the services to be performed by Consultant, City agrees to pay Consultant monetary consideration for professional services in accordance with the **fee schedule** set forth in **Exhibit A**. The parties agree that total compensation for fees and costs for the services detailed in **Exhibit A** shall not exceed the sum of **$$147,407.01**, unless and until this Agreement is amended as provided herein.

1.05 **Billing/Payment Terms**. All charges for Consultant's services and authorized related reimbursable expenses shall be billed monthly, and all undisputed charges will be paid by City within 30 (thirty) days of receipt. The bills shall list all tasks under this Agreement, the task budget, project total budget, percentage completed for each task for that month, associated percentage billing against each task, and total billing for that month. In the event the Agreement is based on time & materials billing up to a not-to-exceed amount, the bill shall itemize by date all services and expenses provided during the invoice period (under this Agreement) including a brief description of the nature of work performed, the person or vendor performing them, the applicable billing rate, and the time expended. All Consultant service invoices must be approved by the City Manager prior to payment.

2.0 OBLIGATIONS OF CONTRACTOR

2.01 **Contract Management and Service Performance**: Principal shall serve as the project manager and will personally prepare, or direct and supervise the preparation of, all work product called for by this agreement. Consultant represents that it has the qualifications, experience and facilities to properly perform all services hereunder in a thorough, competent, timely, and professional manner and shall, at all times during the term of this Agreement, have in full force and affect all licenses required of it by law. Consultant agrees to devote the hours and the human resources necessary to timely perform the services set forth in this agreement in an efficient, professional, and effective manner.

2.02 **Avoidance of Conflict of Interest.**

(a) Consultant may represent, perform services for, and be employed by additional individuals or entities, in Consultant's sole discretion, as long as the performance of these extra-contractual services does not interfere with or present a conflict with City's business or interfere with the timely performance and completion of Consultant's services under this Agreement.

(b) Consultant shall comply with all conflict of interest laws and regulations including, without limitation, the City's Conflict of Interest Code (on file in the City Clerk's Office). All officers, employees and/or agents of Consultant who will be working on behalf of the City pursuant to this Agreement may be required to file Statements of Economic Interest. Therefore, it is incumbent upon the Consultant to notify the City of any staff changes relating to this Agreement.

(c) In accomplishing the scope of services of this Agreement, all officers, employees and/or agents of the Consultant unless as indicated in Subsection (d), will be performing a very limited and closely supervised function, and therefore, unlikely to have a conflict of interest arise. No disclosures are required for any officers, employees, and/or agents of Consultant, except as indicated in Subsection (d). _____ (*Initials)*.

(d) In accomplishing the scope of services of this Agreement, Consultant will be performing a specialized or general service for the City, and there is substantial likelihood that the Consultant's work product will be presented, either written or orally for the purpose of influencing a governmental decision. As a result, the following persons shall be subject to the City's Conflict of Interest Code.

_None_____

2.03 **Tools and Instrumentalities**: Consultant shall provide all tools and instrumentalities to perform the services under this agreement.

2.04 **Workers' Compensation and Other Employee Benefits**: City and Consultant intend and agree that Consultant is an independent contractor of City and agree that Consultant and Consultant's employees and agents have no right to Workers' Compensation and other City-sponsored employee benefits. Consultant agrees to provide Workers' Compensation and other employee benefits, where required by law, for Consultant's employees and agents. Consultant agrees to hold harmless and indemnify City for any and all claims arising out of any claim for injury, disability, or death of Consultant and any of Consultant's employees or agents.

2.05 **Indemnification**

(a) Non-design, non-construction Professional Services: To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, including the City's active or passive negligence, except for such loss or damage arising from the sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(b) Non-design, construction Professional Services: To the extent the Scope of Services involve a "construction contract" as that phrase is used in Civil Code Section 2783, this paragraph shall apply in place of paragraph (a). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), Consultant shall indemnify, defend, and hold harmless the City, and its elected officials, officers, employees, volunteers, and agents ("City Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of the Consultant's performance or Consultant's failure to perform its obligations under this Agreement or out of the operations conducted by Consultant, except for such loss or damage arising from the active negligence, sole negligence or willful misconduct of the City. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

(c) Design Professional Services: In the event Consultant is a "design professional", and the Scope of Services require Consultant to provide "design professional services" as those phrases are used in Civil Code Section 2782.8, this paragraph shall apply in place of paragraphs (a) or (b). To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8) Consultant shall indemnify, defend and hold harmless the City and its elected officials, officers, employees, volunteers and agents ("City Indemnitees"), from and against all claims, damages, injuries, losses, and expenses including costs, attorney fees, expert consultant and expert witness fees arising out of, pertaining to or relating to, the negligence, recklessness or willful misconduct of Consultant, except to the extent caused by the sole negligence, active negligence or willful misconduct of the City. Negligence, recklessness or willful misconduct of any subcontractor employed by Consultant shall be conclusively deemed to be the negligence, recklessness or willful misconduct of Consultant unless adequately corrected by Consultant. In the event the City Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from Consultant's performance of

this Agreement, the Consultant shall provide a defense to the City Indemnitees or at the City's option, reimburse the City Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims. In no event shall the cost to defend charged to Consultant under this paragraph exceed Consultant's proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more defendants is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, Consultant shall meet and confer with other parties regarding unpaid defense costs.

(d) Payment by City is not a condition precedent to enforcement of the indemnities in paragraph (a), (b), or (c). In the event of any dispute between Consultant and City, as to whether liability arises from the active negligence, sole negligence or willful misconduct of the City or its officers, employees, or agents, Consultant will be obligated to pay for City's defense until such time as a final judgment has been entered adjudicating the City as having been actively negligent, solely negligent or as having engaged in willful misconduct. Except as otherwise required by Civil Code Section 2782.8, Consultant will not be entitled in the absence of such a determination to any reimbursement of defense costs including but not limited to attorney's fees, expert fees and costs of litigation. The provisions of this Section 2.05 shall survive completion of Consultant's services or the termination of this Agreement.

2.06 **Insurance**: Consultant shall maintain prior to the beginning of and for the duration of this Agreement insurance coverage as specified in Exhibit B attached to and part of this agreement.

2.07 **Campaign Contribution Disclosure:** Pursuant to Government Code Section 84308, any party to a City proceeding (which includes, but is not limited to, all contracts with the City, other than competitively bid, labor, or personal employment contracts) must disclose on the record any campaign contributions made to a member of the City Council or other elected or appointed officer of the City, any candidate for elected office of the City, or any candidate for elective office of any other agency who is also an elected or appointed officer of the City in excess of $250 in the past 12 months. This disclosure requirement includes contributions by the party's agent, such as a consultant, and aggregated contributions from persons or entities related to the party. Consultant is required to fill out and provide the attached Exhibit C 'Applicant/Interested Party Campaign Contribution Disclosure Form' with submission of this Agreement and to update this form after each contribution and no later than the beginning of any associated proceeding.

3.0 OBLIGATIONS OF CITY

3.01 **Cooperation**: City agrees to comply with all reasonable requests of Consultant necessary to the performance of Consultant's duties under this agreement. City employees, agents and officers of the City agree to disclose all information relevant to this project to Consultant. Consultant shall be entitled to reasonably rely upon the accuracy and completeness of information furnished by City, provided that Consultant shall give City prompt written notice of any known defects in such information.

4.0 TERMINATION OF AGREEMENT

4.01 **Termination Notice**: Notwithstanding any other provision of this agreement, any party hereto may terminate this agreement, at any time, without cause, by giving at least 30 (thirty) days' prior written notice to the other parties to this agreement.

4.02 **Termination on Occurrence of Stated Events**: This agreement shall terminate automatically on the occurrence of any of the following events:

a. Sale of the business of any party;

b. The end of the 30 (thirty) days as set forth in section 4.01;

c. End of the contract to which Consultant's services were necessary; or

d. Assignment of this agreement by Consultant without the consent of City.

e. Death of any party.

4.03 **Termination by any Party for Default**: Should any party default in the performance of this agreement or materially breach any of its provisions, the non-breaching party, at its option, may terminate this agreement, immediately, by giving written notice of termination to the breaching party.

4.04 **Termination**: This agreement shall terminate on **Dec 31, 2028**, unless earlier extended as set forth in this Section. The City, with the agreement of Consultant, is authorized to extend the term of this agreement beyond the termination date, as needed, under the same terms and conditions as set forth in this agreement. Any such extension shall be in writing and be an amendment to this agreement.

5.0 SPECIAL PROVISIONS

5.01 **Additional Tasks as May Be Assigned by the City Manager**: Prior to initiating any Consultant work on matters relating to the purposes of this Agreement, but outside the Scope of Services for this Agreement, it shall be the responsibility of Consultant to obtain written approval of the City Manager, prior to initiation of such tasks.

5.02 **Time Schedule**: Consultant is to begin work upon receipt and execution of City contract. Consultant agrees to engage its best efforts to adhere strictly to the schedule set forth in **Exhibit A** and incorporated herein.

5.03 **Work Outside Contract Scope**: No payment for changed or additional work shall be made unless the changed or additional work has first been approved in writing by the City Manager and the parties have agreed upon the appropriate adjustment, if any, to the payment schedule and maximum payment amount for the changed or additional work. The Contract Manger may order changes or additions to the scope of work. Whether a change or addition to the scope of work is proposed by the Consultant or ordered by the City Manager, the parties shall in good faith negotiate an appropriate adjustment, if any, to the payment schedule and maximum payment for the changed or additional work. An approved change or addition, along with the payment adjustment, if any, will be effective upon an amendment to this contract executed by both parties. The amendment shall not render ineffective or invalidate unaffected portions of this contract.

5.04 **Confidentiality:**

(a) Confidential Nature of Information. Consultant shall treat all information obtained from the City in the performance of this contract as confidential and proprietary to the City. Consultant shall treat all records and work product prepared or maintained by Consultant in the performance of this contract as confidential.

(b) Limitation on use and disclosure. Consultant agrees that it will not use any information obtained as a consequence of the performance of work for any purpose other than fulfillment of Consultant's scope of work. Consultant will not disclose any information prepared for the City, or obtained from the City or obtained as a consequence of the performance of work to any person other than the City, or its own employees, agents or

subcontractors who have a need for the information for the performance of work under this contract unless such disclosure is specifically authorized in writing by the City.

(c) Security plan. If requested by the City Manager, Consultant shall prepare a security plan to assure that information obtained from the City or as a consequence of the performance of work is not used for any unauthorized purpose or disclosed to unauthorized persons. Consultant shall advise the City of any request for disclosure of information or of any actual or potential disclosure of information.

(d) Survival. Consultant's obligations under this paragraph shall survive the termination of this contract.

6.0 MISCELLANEOUS

6.01 **Notices**: Except as otherwise expressly provided by law, any and all notices or other communications required or permitted by this agreement or by law to be served on or given to any party to this agreement shall be in writing and delivered or, in lieu of such personal service, when deposited in the United States mail, first class postage prepaid, to the following address for each respective party:

PARTY	ADDRESS
TO: CITY OF SOLVANG	City of Solvang 1644 Oak Street Solvang, CA 93463 Attention: City Clerk
Copy to:	Chelsea O'Sullivan, City Attorney Richards, Watson & Gershon 847 Monterey Street, Suite 206 San Luis Obispo, CA 93401
TO: CONSULTANT	**XIT Inc dba XIT Solutions** Craig May 638 LINDERO CANYON RD., STE 288 OAK PARK, CA 91377

6.02 **Governing Law**: This agreement and all matters relating to this agreement shall be governed by the laws of the State of California in force at the time, should any need for interpretation of this agreement or any decision or holding concerning this agreement arise.

6.03 **Binding Effect**: This agreement shall be binding on and shall inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto, but nothing in this Section shall be construed as consent by City to any assignment of this agreement or any interest in the agreement.

6.04 **Remedies**: The remedies set forth in this agreement shall not be exclusive, but shall be cumulative with, and in addition to, all remedies now or hereafter allowed by law or equity.

6.05 **Due Authority**: The parties hereby represent that the individuals executing this agreement are expressly authorized to do so on and in behalf of the parties.

6.06 **Ownership of Work Product**: Upon delivery, the work product, including without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations

developed under this contract are the property of the City. Consultant agrees that all copyrights, which arise from creation of the work pursuant to this contract, shall be vested in the City and waives and relinquishes all claims to copyright or other intellectual property rights in favor of the City. City acknowledges that its use of the work product is limited to the purposes contemplated by the scope of work and that the Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by the scope of work.

6.07. **Integration and Modification**:

(a) This contract represents the entire understanding and agreement of the City and Consultant as to those matters contained herein. This agreement correctly sets forth the obligations of the parties hereto to each other as of the date of this agreement. All agreements or representations respecting the subject matter of this agreement not expressly set forth or referred to in this agreement are null and void. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This contract may not be modified, amended, or altered except in writing signed by the City and Consultant.

(b) In the event of any conflict between the terms of this agreement and the terms of an exhibit, the terms of this agreement shall control, even if the exhibit purports to modify this agreement. In the event an exhibit incorporates by reference any additional physical documents, websites, web links or other electronic location not under the control of the City, the parties agree that such additional documents shall have no impact on this agreement and shall be deemed to be void unless actually attached to the exhibit that purports to incorporate such additional document. Notwithstanding the foregoing sentence, the provisions of Section 2.05 of this agreement shall not be altered, amended, limited or otherwise affected in any manner by any language included in an exhibit to this agreement, even if such exhibit purports to affect the provisions of Section 2.05. Furthermore, any attempt to limit liability to the City that is expressed in an exhibit shall have no force or effect unless City has expressly agreed to such limitation by providing the initials of its authorized representative here: _____.

6.08. **Advice of Counsel**: The parties agree that they are aware that they have the right to be advised by counsel with respect to the negotiations, terms, and conditions of this contract, and that the decision of whether or not to seek the advice of counsel with respect to this contract is a decision which is the sole responsibility of each of the parties hereto. This contract shall not be construed in favor or against either party by reason of the extent to which each party participated in the drafting of the contract.

6.09. **Independent Review**: Each party hereto declares and represents that in entering this contract it has relied and is relying solely upon its own judgment, belief and knowledge of the nature, extent, effect and consequence relating thereto. Each party further declares and represents that this contract is being made without reliance upon any statement or representation not contained herein of any other party, or any representative, agent, or attorney of any other party.

6.10. **Attorney Fees:** In the event of any controversy, claim or dispute between the parties hereto, arising out of or relating to this agreement, or the breach hereof, the prevailing party shall be entitled, in addition to other such relief as may be granted, to a reasonable sum as and for attorney fees.

6.11 **No waiver:** The waiver of any breach by any party of any provision of this agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of this agreement.

6.12. **Assignment:** This agreement is specifically not assignable by Consultant to any person or entity. Any assignment or attempt to assign by Consultant whether it be voluntary or involuntary, by operation of law or otherwise, is void and is a material breach of this agreement, giving rise to a right to terminate as set forth in Section 4.03.

6.13. **Time for Performance:** Except as otherwise expressly provided for in this agreement, should the performance of any act required by this agreement to be performed by either party be prevented or delayed by reason by any act of God, strike, lockout, labor trouble, inability to secure materials, epidemics, pandemics, or any other cause, except financial inability, which is the fault of the party required to perform the act, the time for performance of the act will be extended for a period of time equivalent to the period of delay and performance of the act during the period of delay will be excused: provided, however, that nothing contained in this Section shall exclude the prompt payment by either party as required by this agreement of the performance of any act rendered difficult or impossible solely because of the financial condition of the party required to perform the act.

6.14 **Severability:** Should any provision of this agreement be held by a court of competent jurisdiction or by a legislative or rulemaking act to be either invalid, void or unenforceable, the remaining provisions of this agreement shall remain in full force and effect, unimpaired by the holding, legislation or rule.

6.15. **Construction:** The parties agree that each has had an opportunity to have their counsel review this agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this agreement or any amendments or exhibits thereto. The captions of the sections are for convenience and reference only, and are not intended to be construed to define or limit the provision to which they relate.

6.16. **Amendments:** Amendments to this agreement shall be in writing and shall be made only with the mutual written consent of all the parties to this agreement.

6.17. **Signatures**: The individuals executing this contract represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the parties have executed this contract on the following date.

CITY OF SOLVANG

David Brown, Mayor

ATTEST:

Annamarie Porter, City Clerk

CONTRACTOR
XIT, INC. dba XIT Solutions

Craig May, Chief Executive Officer

APPROVED AS TO FORM
Richards, Watson & Gershon

Chelsea O'Sullivan, City Attorney

EXHIBIT A

SCOPE OF WORK,

FEE SCHEDULE

&

PROJECT SCHEDULE

Request for Proposal(RFP)

Professional Services - AI-Enabled Surveillance Camera System Downtown Corridor Surveillance Pilot Project.



City of Solvang

Submitted via mail to:

City of Solvang
1644 Oak Street
Solvang, CA 93463

Submitted by:

XIT Solutions
1112 20th Street
Bakersfield, CA 93301

POC: Craig May
Phone Number: (661) 635-0365
Email: cmay@xitsolutions.com

1 Cover Letter

City of Solvang
Attn: Olivia Uribe Mutal
1644 Oak Street
Solvang, CA 93464

Subject: Proposal for Professional Services - AI-Enabled Surveillance Camera System - Downtown Corridor Surveillance Pilot Project

Dear Olivia Mutal,

XIT Solutions is excited to submit our proposal for the Downtown Corridor Surveillance Pilot Project. With over 30 years of experience delivering security and surveillance solutions to public agencies across California and Nevada, we are confident in our ability to help the City of Solvang enhance public safety while preserving its unique architectural charm.

We propose a modern, AI-enabled surveillance system built on Verkada's cloud-managed platform. Our solution includes:

- High-resolution (5MP+) cameras with AI features like motion analytics, license plate recognition, and privacy-safe face detection
- Real-time insights powered by edge-based processing
- Secure hybrid cloud storage (365-day retention, 30-day onboard) with AES-256 encryption
- Low-bandwidth operation (20–50 kbps per camera) across Wi-Fi, cellular, and satellite networks
- Integration with existing IP cameras and future access control systems

Our cameras are weatherproof and impact-resistant. We also provide battery backup (4–24 hours depending on site), Caltrans permit handling, and traffic control support. Backed by a 10-year hardware warranty and 24/7 support, our team ensures long-term reliability and responsive service.

We've reviewed all RFP addenda and are ready to deliver a solution that meets your goals for safety, scalability, and simplicity. Please feel free to contact me directly at (661) 635-0365 or cmay@xitsolutions.com with any questions or to discuss next steps.

Sincerely,

Craig May

CEO, XIT Solutions
1112 20th St., Bakersfield, CA 93301
Phone: (661) 635-0365

2 Qualification Statements

XIT Solutions, founded in 1994, has earned a strong reputation serving public sector clients, including water districts, libraries, and schools across California and Nevada, from our base of operations. With over 50 public works projects completed in the past five years, all adhering to California's prevailing wage requirements and public contract standards, we bring proven expertise to the City of Solvang's AI-Enabled Surveillance Camera System for the Downtown Corridor Surveillance Pilot Project. Our 25-person in-house team of technicians, project managers, and engineers holds certifications with Hanwha, CommScope, OSHA 30, Belden, ViewSonic, and Verkada, including our **Verkada Gold Partner status**, which provides advanced training and priority access to Verkada's cloud-based surveillance systems. We possess a California **C-7 Low Voltage Contractor's License (1014012)** and are registered with the **Department of Industrial Relations (PWCR #1000038355)**, meeting all the requirements. As authorized Verkada dealers, we supply NDAA-compliant equipment backed by manufacturer warranties and our one-year workmanship guarantee, with partnerships from Axis, Hanwha, and Belden ensuring a reliable supply chain.

Why choose XIT Solutions

- ***Proven Expertise: Proven Expertise:*** *Nearly 30 years delivering VOIP, IT, and security solutions to K-12 schools, with successful projects for districts like Wasco Union and Central Unified.*
- ***30+ Years Expertise:*** *AI surveillance for CA/NV public agencies.*
- ***Verkada Gold Partner: Priority access to cloud security.***
- ***In-House Team:*** *Full control over design and installation.*
- ***Scalable Verkada System:*** *5MP+ cameras with AI analytics.*
- ***Privacy & Compliance:*** *AES-256, TLS 1.3, NDAA-compliant.*
- ***Seamless Integration:*** *Works with any cameras, future systems.*
- ***24/7 Support:*** *8-hour response, 10-year warranty.*
- ***Proactive Delivery:*** *Agile, pre-configured, fast-tracked.*
- ***Cost-Effective:*** *Flexible licensing, and discounts.*

Our financial stability and 30 years of consistent growth allow us to maintain direct control over quality and timelines.. Our 24/7 emergency response team, with an eight-hour maximum response time, addresses Solvang's need for rapid support. The Verkada Gold Partner status enhances our capabilities, granting access to specialized technical resources and firmware updates, ensuring system longevity.

The City of Solvang requires the design, implementation, and maintenance of an AI-enabled surveillance system at seven strategic downtown locations, integrating multi-connectivity options (Wi-Fi, cellular, and satellite), and providing training and documentation. Solvang faces challenges with outdated surveillance systems, unique site conditions (e.g., limited network access at Site 5, traffic signal locations at Sites 3, 6, 7), and the need to protect privacy while enhancing public safety for its 5 million annual tourists. Our credentials directly address these needs. We have ***deployed cameras, Cat6 cabling, and AI-enabled surveillance for over 20 public agencies***, meeting standards like 5MP resolution and TLS 1.3 encryption. Our Verkada expertise enables us to configure AI capabilities (e.g., object detection, license plate recognition) and cloud-based storage for 365-day retention.

Key projects completed as prime contractor, operational for over one year, showcase our expertise:

- **Kern County Library System (2024)**: Installed cameras and access control across 18 branches, managing Cat6 cabling, IDF cabinets, and phased deployments. Achieved 98% uptime, supporting Solvang's multi-site installation needs.

- **Wasco Union Elementary School District (2022–2023)**: Deployed a Verkada surveillance system across multiple campuses, including cabling upgrades and IP/VLAN integration. Zero downtime for two years demonstrates our ability to meet Solvang's connectivity and integration requirements.
- **Central Unified School District (2021)**: Executed a district-wide security upgrade with cameras and cabling during school hours. Operational for three years, proving our capacity to work in active environments like Solvang's downtown corridor.

These projects demonstrate our ability to deliver reliable, scalable solutions. The Wasco project's zero downtime, using Verkada's integration capabilities, aligns with Solvang's need for robust performance, while the Kern County project's uptime reflects our commitment to reliability.

2.1 Why Verkada is the Best Choice for Solvang's Surveillance System

The City of Solvang calls for a top-notch, scalable AI-enabled surveillance system to strengthen public safety and emergency response in its busy downtown area, where 5 million tourists pass through each year. With XIT Solutions' hands-on expertise and experience with Verkada's approach, it's clear that this partnership is a great fit for the City of Solvang. Here's why, in straightforward terms:

- **Fully Integrated System**: Verkada integrates video surveillance, intelligent AI analytics, and multiple connection options like Wi-Fi, cellular, and satellite into one easy-to-manage setup across all seven of Solvang's key sites. Using onboard Ambarella processors and AWS backend power, we can grow the hybrid cloud method from simple motion detection to a full-fledged AI search capability. That means the City of Solvang gets a system that works as a single unit, ready for whatever comes next.

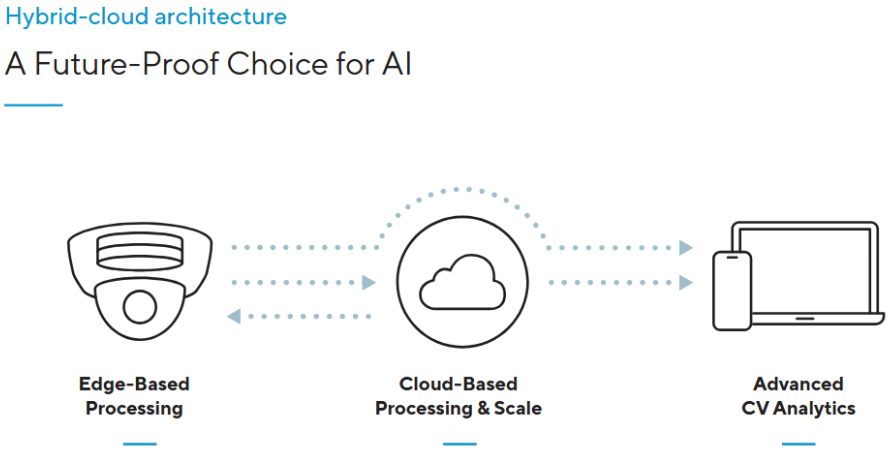


Figure 1: Verkada's AI-Enabled Surveillance Camera System features

- **Scalable and Flexible Architecture**: This setup stretches to fit the City's unique spots, like the tricky network issues at Site 5 or the traffic signal zones at Sites 3, 6, and 7. With edge processing handling 10 frames per second and AWS managing millions of detailed image clips daily, it adapts as needed. This approach lets the City of Solvang add features like tracking

people's paths and flagging persons of interest over time, giving Solvang room to grow without a significant overhaul.

- **Industry-Leading Hardware**: Verkada's cameras offer 5MP+ resolution, HDR, and uncompromising build quality, meeting the RFP's standards and handling harsh conditions like Site 5's lighting. The shift from HiSi to Ambarella CV2x processors now in every camera type, from Domes to PTZs, means the City of Solvang gets reliable gear that keeps up with real-time analysis and stands the test of time.
- **Simplicity in Operation**: The Command interface is straightforward, so the City of Solvang's team won't need endless training. Automatic updates keep everything secure without extra effort. We can store recent image data for quick access, cutting investigation wait times, which is necessary for a tourist-heavy area like downtown.
- **Superior Security and Compliance**: With end-to-end encryption, an innovative filtering system to weed out off-target results, and strong privacy measures, plus a up to 10-year warranty, Solvang's data stays safe.
- **Proven Experience**: Over 17,000 organizations, including public agencies, rely on Verkada, built on years of tweaking since 2016. Our solution has added alerts for line crossings and AI search along the way. With XIT Solutions as a Verkada Gold Partner, Solvang also gets local 24/7 support and an eight-hour response time, which is perfect for urgent situations.

XIT Solutions brings the City of Solvang a practical, budget-friendly solution that keeps improving, hitting the pilot project's goals head-on. Paired with our know-how, this hybrid cloud system promises a real boost to downtown safety and security.

2.2 Personnel and Qualifications

2.2.1 Jazmin Llams

Jazmin Llams	**Bakersfield, California** **jllamas@xitsolutions.com**
Professional Summary	
Customer-focused and analytically driven professional with extensive experience in customer relationship management, purchasing, and project coordination. Adept at bridging technical solutions with client needs, overseeing AV project implementations, and driving pricing strategies. Brings a strong background in vendor management, ERP systems, and sales pipeline forecasting. Known for her collaborative approach, attention to detail, and ability to maintain strong customer and vendor relationships.	
Professional Experience	
AV Customer Engagement Manager	**XIT Solutions, 2024 – Present**
• Serve as primary point of contact for customers, building strong relationships and advocating for customer needs internally. • Lead customer engagement efforts, focusing on pricing tool implementations, ensuring on-time delivery, high quality, and adoption success. • Respond promptly to customer quotes, inquiries, and post-sales issues, maintaining excellent service levels. • Coordinate with vendors for special pricing and manage deal registrations. • Analyze and compare quotes to establish pricing strategies that maximize value and margin.	

- Maintain detailed customer account profiles and identify opportunities to expand XIT Solutions' offerings.
- Ensure accuracy of open opportunity pipelines to support monthly sales forecasting.
- Assist with creating and processing sales orders in the ERP system to ensure smooth order-to-invoice transitions.
- Schedule AV jobs and dispatch technicians efficiently to meet project timelines.

Education	
Master of Business Administration (MBA), Business Analytics	Arizona State University May 2022 – May 2024
Bachelor of Science in Business Administration & Management	California State University, Bakersfield Aug 2018 – May 2021

2.2.2 Cody Brown

Cody Brown	**cbrown@xitsolutions.com**

Professional Summary

Experienced IT Professional and Project Manager with a strong focus on strategic leadership, team management, and technology innovation. Over 15 years of hands-on experience managing infrastructure projects and leading diverse teams to success. Passionate about leveraging technology as a strategic asset to achieve organizational goals and drive business growth.

Professional Experience

Vice President of Managed IT Services	**XIT Solutions, Sept 2020 – Present**

- Lead Managed Services teams (NV & CA); oversee $2M+ in IT assets.
- Manage infrastructure projects, budgets, and vendor relations.
- Resolve ~5,000 support tickets/year across hardware/software platforms.
- Oversee security tools: antivirus, EDR, MDR, remote access, RBAC.
- Plan/install email/server migrations, virtualization, ERP/CRM systems.
- Administer Microsoft 365, Intune, Autopilot, Windows Server, Google Workspace.
- Direct structured cabling, firewall, routing, Wi-Fi, VPN deployments.
- Support and install VOIP, surveillance, AV, and access control systems.

Systems Administrator	**Comagine Health, Apr 2017- Sept 2020**

- Led multi-state IT rollouts with $ 500 K+ in hardware.
- Installed/managed Cisco UC, Aruba switches, and access control systems.
- Handled AD, GPO, PowerShell scripting, VMware, and Hyper-V.
- Deployed MDT/WDS, enabled secure remote collaboration platforms.

Event Technology Coordinator	**University of Nevada, Jul 2011 – Sept 2014**

- Supervised 30 staff: supported events and office systems.
- Designed/installed $200K+ facility-wide infrastructure upgrades.
- Managed $ 1 M+ AV inventory; coordinated setup of all tech installations.
- Acted as vendor liaison for procurement and onsite deployment.

Computer Support Specialist II	**Montana State University, Sept 2010 – Jun 2011**

- Designed/installed custom IT and AV solutions campus-wide.
- Configured secure classroom, lab, and conference room systems.
- Built AV automation systems; managed third-party infrastructure installs.

Graphics Team Manager	**Brigham Young University, Feb 2008 – Aug 2010**

- Managed AV/broadcast graphics team; installed and configured event tech.

• Oversaw live broadcast security, remote camera/audio systems. • Customized user interfaces for video switchers and control systems.	
Education	
Bachelor of Science, Computer Information Technology	Brigham Young University, Idaho July 2019
Bachelor of Arts, Media Arts Studies	Brigham Young University April 2010

2.2.3 Alex Gallo

Alex Gallo	**Bakersfield, California** **agallo@xitsolutions.com**
Professional Summary	
Experienced AV Installer and Radio/Electronics Technician with network cabling, telematics, and AV systems expertise. Certified in cabling and lift operations, with strengths in project planning, team leadership, troubleshooting, and adherence to safety standards.	
Professional Experience	
AV Installer	**XIT Solutions, 2024 – Present**
• Provide technical support and troubleshoot hardware, software, and network issues. • Install and configure computer systems and related technology to ensure optimal performance. • Maintain and secure the organization's network infrastructure. • Document technical issues and solutions to support team knowledge sharing.	
Radio and Electronics Technician	**Hall Ambulance, 2023 – 2024**
• Provided technical support and troubleshooting for hardware, software, and network issues. • Installed and configured computer systems and related technology to ensure optimal performance. • Assisted in maintaining and securing the organization's network infrastructure. • Documented technical issues and solutions to enhance team knowledge sharing.	
Team Lead	**ComNet Communications, 2020-2023**
• Planned and oversaw cabling installations, leading a team of 3–18 technicians on projects involving Cat6 and fiber cabling, wireless access points, cameras, and data drops. • Conducted daily meetings with project stakeholders to review project status, safety concerns, objectives, and change orders. • Trained new employees on proper installation methods, ensuring compliance with quality and safety standards. • Provided daily progress reports to the project manager to support clear communication and efficient project tracking.	
Certifications	
• Commscope Cabling ACT 1 and ACT 2. • Boom Lift and Scissor Lift Certified. • OSHA 30 Certification. • Verkada Certified for Security, Alarms, and Access Control	

2.3 Team and Organizational Structure

XIT Solutions will serve as the sole entity responsible for this project. Our in-house team will oversee 100% of the project responsibilities, including design, implementation, management, and maintenance, ensuring direct control over quality, timeline, and accountability. No other firms or subcontractors will be involved.

XIT Solutions excels in delivering advanced surveillance and security infrastructure projects. Our team's deep expertise spans multi-site access control systems, camera installations, cabling upgrades, and seamless integrations in diverse environments, including educational and public facilities. Through thorough planning, phased deployments, and robust project management, we consistently achieve high system uptime, minimal operational disruption, and long-term reliability. XIT Solutions is committed to providing tailored, high-quality security solutions that meet the unique needs of our clients.

Our organizational chart outlines the in-house structure, with key roles including the AV Customer Engagement Manager and VP of Managed IT Services, ensuring streamlined decision-making and accountability. The team's qualifications include an MBA in Business Analytics, over 15 years in

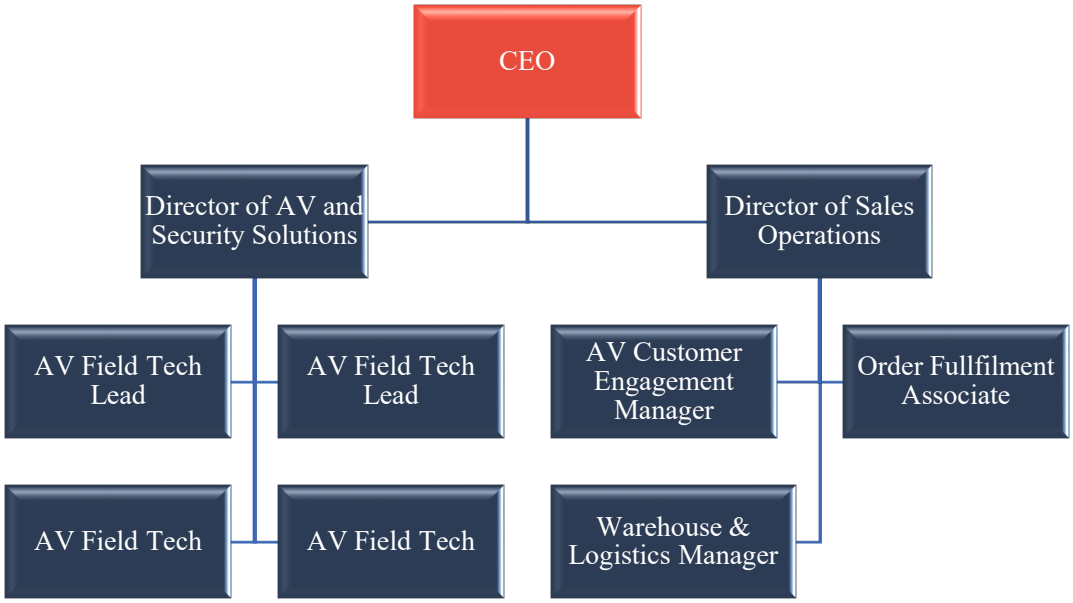


Figure 2: XIT Solutions Organizational Chart

IT/security management, and certifications in Verkada systems and cabling standards, highlighting professional excellence. The team has designed surveillance systems for various public agency projects, integrating AI-enabled technologies with existing infrastructures, meeting compliance and scalability needs.

XIT Solutions offers expertise in AI-enabled surveillance, multi-connectivity options (Wi-Fi/cellular/satellite), and cloud-based storage, through the Verkada platform supported by a DIR-registered workforce and E-Rate approval, ensuring comprehensive project execution. Past projects with public agencies demonstrate the ability to deliver compliant, reliable surveillance systems across multiple sites. A detailed 10-week schedule from award to final testing (by September 2, 2025) will be provided, utilizing the **Critical Path Method**, which optimizes task sequencing to minimize delays and enhance resource efficiency. The in-house team ensures full availability, with a reserve of trained personnel to maintain continuity, aligning with the project timeline.

2.4 Client References

2.4.1 Kern County Library System

Kern County Library – Southwest Library	
Description	XIT Solutions has completed the configuration, design layout, and installation of security cameras - equipment, cabling, and software - and data ports, projectors, and audio systems - both new installations and replacements of existing equipment and cabling. XIT Solutions installed surveillance cameras and access control systems in 18 library locations across Kern County.
Client Name	Kern County Library
Contract Amount	$800,000.00
Project dates	Jan 2024 – March 2024
Contact Information	**Name:** Esdras Quintana
	Title: Sr. Information Systems Specialist
	Phone Number: (661) 868-0700
Staff Assigned	**Name:** Rian Barraza
	Title: Director of AV and Security Solutions

2.4.2 Wasco Union Elementary School District

Wasco Union Elementary School District – Surveillance Equipment Installation	
Description	XIT Solutions has completed the installation of surveillance cameras, classroom interactive panels, cat 6 cabing and access control systems across various school and district sites within the Wasco Union Elementary School District. The scope of work included new and replacement cabling and new and replacement equipment.
Client Name	Wasco Union Elementary School District
Contract Amount	$1,000,000.00
Project dates	2022 – 2023
Contact Information	**Name:** Rick Sanchez
	Title: IT Director
	Phone Number: (661) 201-4510
Staff Assigned	**Name:** Rian Barraza
	Title: Director of AV and Security Solutions

2.4.3 Central Unified School District

Central Unified School District – Cabling Installation	
Description	XIT Solutions successfully completed the configuration, layout, and installation of surveillance cameras across multiple Central Unified School District buildings. Other projects included installing an access control system (equipment cabling and software) and classroom interactive panels - both new installations and replacements of existing panels. Our team conducted detailed site surveys, performed job walks, and designed the entire system to ensure a seamless and efficient implementation.
Client Name	Central Unified School District
Contract Amount	$130,000.00
Project dates	June 7, 2021 – June 30, 2021
Contact Information	**Name:** Jesse Rojas
	Title: Technology Services Manager
	Phone Number: (559) 276-3130
Staff Assigned	**Name:** Rian Barraza
	Title: Director of AV and Security Solutions

3 Project Approach, Management Approach/Subjective Statements

The City of Solvang's unique challenges include safeguarding a high-traffic tourist corridor, ensuring reliable emergency evacuations along a state highway, and overcoming the inefficiencies of outdated, non-AI-enabled cameras that demand manual footage review. XIT Solutions recognizes the City's need for a system that delivers high-resolution imagery (5MP or higher), robust backup power (4-8 hours for standard sites, 12-24 hours for traffic signal locations at Sites 3, 6, and 7), and compliance with California Government Code §34090.6 for 365-day footage retention. The lack of network access at Site 5 (Solvang Park's bathroom location), reliance on contract IT services, and the potential for integrating existing Axis and Ubiquiti cameras at City Hall and utility facilities underscore the importance of a flexible, interoperable design. Additionally, navigating external coordination with Caltrans for permits, PG&E for power, and Verizon for cellular connectivity presents logistical hurdles that require proactive management.

Common challenges in such projects include ensuring consistent connectivity in diverse environments, maintaining privacy amidst advanced AI analytics, and adhering to strict cybersecurity standards, such as avoiding banned manufacturers like Dahua and Hikvision. XIT Solutions will address these by conducting thorough site assessments, deploying NDAA-compliant Verkada cameras with multi-connectivity options (Wi-Fi, cellular, and satellite), and implementing TLS 1.3 encryption to safeguard data, ensuring compliance with U.S. Department of Homeland Security guidelines.

3.1 Project Management and Planning

In the Project Management and Planning phase, we will host a kick-off meeting with City staff to align on technical specifications, site constraints, and privacy safeguards. Our team, with Verkada,

Hanwha, and Axis certifications, will conduct detailed site assessments at all seven locations, evaluating power availability, connectivity options, and environmental factors like lighting at Site 5 or traffic dynamics at Sites 3, 6, and 7. We will design a system featuring Verkada's 5MP+ cameras with 30 fps, HDR, and IK10/IK11 impact resistance, tailored to each site's field of view and mounting needs. Our AI capabilities, powered by Verkada's Ambarella CV2x processors, will include object similarity search, edge-based processing, motion detection, anonymized people/face detection, and license plate recognition, delivering customizable alerts while prioritizing privacy. For storage, we will implement a hybrid solution with 30 days of encrypted onboard storage and Verkada's AWS-backed cloud storage for 365-day retention, enabling seamless scalability.

XIT Solutions will adopt a proactive, low-maintenance management approach, using our 50+ public works projects to ensure Solvang's project stays on schedule and within budget. Our project manager, **certified in Verkada**, will oversee all tasks, providing weekly schedule updates and critical path monitoring using agile methodologies to address issues swiftly, such as potential PG&E delays. We will maintain open communication with the City Manager and coordinate with Caltrans, PG&E, and Verizon to streamline approvals and connectivity. Our quality assurance includes equipment verification, integration testing, and real-time progress tracking tools, ensuring transparency and adherence to Solvang's standards.

We will pre-configure Verkada cameras and software off-site to expedite implementation, reducing installation time in Solvang's active tourist corridor. Our experience with phased deployments, as demonstrated in the Kern County Library System project (98% uptime across 18 sites), ensures minimal disruption. Our established regulatory relationships will accelerate Caltrans permit approvals, aligning with Solvang's tight timeline.

3.2 System Procurement and Pre-Installation

In the System Procurement and Pre-Installation phase, XIT Solutions will acquire weatherized cameras that comply with IEEE 802.3af PoE standards, network equipment, and specialized software featuring flexible licensing options (1, 3, 5, and 10-year terms) to support the City's comparative review. All equipment will have a minimum five-year warranty, and we will perform rigorous pre-installation testing to validate camera functionality, software configuration, and network integration. Our quality control procedures will include documented test results to ensure reliability before deployment.

3.3 System Installation and Testing

Our in-house team will manage site preparation for System Installation and Testing, including mounting hardware, PoE-compliant power connections, and weatherized enclosures for public-accessible cameras. We will coordinate with Verizon for SIM card integration at sites like Site 5 and work with Solvang's contract IT vendor to streamline network architecture. As the installation vendor, we will secure Caltrans rider permits for Mission Drive work, handling lane closures and traffic control to minimize disruption in Solvang's busy downtown. Post-installation, we will conduct rigorous testing of functionality, connectivity, and AI capabilities, followed by 90 days of on-site support to refine configurations and train City staff on camera adjustments using Verkada's Command interface.

3.4 Training and Documentation

In the Training and Documentation phase, we will provide training for City IT and maintenance staff, covering system administration, footage review, and troubleshooting via Verkada's intuitive platform. Our documentation package will include system architecture, equipment manuals, configuration settings, and SOPs for routine checks, incident response, and privacy compliance, ensuring Solvang's team is fully equipped to manage the system.

3.5 Ongoing Maintenance and Support

For Ongoing Maintenance and Support, our 24/7 emergency response team, with an eight-hour maximum response time, will deliver regular updates, preventive maintenance, and remote monitoring. Monthly reports and quarterly reviews will keep Solvang informed, while Verkada's automatic firmware updates ensure long-term security and performance. Our financial stability and direct control over operations eliminate reliance on subcontractors, guaranteeing consistent quality.

3.6 Optional Future Work

System Scalability and Access Control Integration

Our Verkada-based solution is designed for seamless expansion. The platform supports:

- Integration with access control systems (e.g., badge readers, door controllers)
- Real-time event correlation between video and access logs
- Open APIs and ONVIF/RTSP compatibility
- Secure, scalable architecture for future IoT and AI enhancements
- Cloud Connector from Verkada to connect with existing cameras

We are prepared to support the City in future phases, including centralized access control at municipal buildings, integration with emergency alert systems, and expansion to additional corridors or facilities.

Schedule

We will manage the project using ***Agile Methodologies***, providing weekly updates to track critical path activities and mitigate risks, such as potential delays in PG&E power confirmations or Caltrans permit approvals. Our 25-person team will control all tasks directly, eliminating subcontractor delays. Below is our **implementation schedule** outlining major activities and submittals, followed by strategies to expedite delivery.



Figure 3: XIT Solutions' implementation schedule

The schedule assumes a contract award on July 14, 2025, and is structured to meet the September 2, 2025 deadline.

3.7 Week 1: Project Initiation and Planning

- Activities: Conduct kick-off meeting with Solvang staff to align on requirements; complete site assessments at all seven locations to evaluate power, connectivity, and mounting needs.
- Submittals: Kick-off meeting minutes, site assessment report. Our in-house engineers will use pre-existing site data from the mandatory May 30, 2025, site walk to accelerate assessments, ensuring rapid progression to system design.

3.8 Week 2 - 3: System Design and Procurement

- Activities: Finalize system design with Verkada 5MP+ cameras, hybrid storage, and multi-connectivity options; procure NDAA-compliant equipment and secure Caltrans rider permits for Mission Drive work.
- Submittals: System design document, equipment inventory, detailed project schedule. Pre-ordering Verkada cameras through our established supply chain will ensure immediate availability and minimize procurement delays.

3.9 Week 4 - 5: Pre-Installation and Configuration

- Activities: Pre-configure cameras and software off-site; test network integration with Solvang's Verizon cellular plan and contract IT services; validate AI analytics and storage setups.
- Submittals: Pre-installation test results and quality control documentation. Our facility's off-site configuration will reduce on-site installation time, allowing parallel processing of equipment testing and site preparation.

3.10 Week 6-7: Installation and Integration

- Activities: Install mounting hardware, PoE connections, and weatherized enclosures at all sites; connect cameras to the network and storage systems; manage lane closures and traffic control under Caltrans permits.
- Submittals: Installation documentation, system integration report. Our team will deploy multiple crews to install cameras concurrently at low-traffic sites (e.g., Site 5) and high-traffic areas (e.g., Sites 3, 6, 7), optimizing efficiency in Solvang's busy downtown corridor.

3.11 Week 8 - 9: Testing, Training, and Documentation

- Activities: Conduct functionality, connectivity, and AI capability testing; train City IT staff on Verkada's Command interface for system administration and footage review; finalize documentation.
- Submittals: Test results, training materials, system documentation package, SOPs. Pre-recorded training modules will supplement live sessions, enabling rapid staff onboarding and ensuring immediate operational readiness.

3.12 Week 10 : Final Acceptance and Support

- Activities: Address any configuration refinements; obtain City acceptance; initiate 90-day post-installation support period.

- Submittals: Final system documentation, warranty information. Our 24/7 emergency response team, with an eight-hour maximum response time, will ensure prompt resolution of any issues, securing project completion by September 2, 2025.

To expedite the schedule, XIT Solutions will implement the following proactive strategies:

- ✓ **Pre-Configuration and Staging**: Pre-configuring Verkada cameras and software off-site will cut on-site installation time by up to 20.
- ✓ **Parallel Task Execution**: Simultaneous site preparation and equipment procurement will compress the timeline, leveraging our in-house team's capacity to handle multiple tasks without subcontractor dependencies.
- ✓ **Early Regulatory Coordination**: Engaging Caltrans and PG&E during Week 1 to confirm permits and power availability will prevent bottlenecks.
- ✓ **Optimized Installation Sequencing**: Prioritizing low-impact sites like Solvang Park (Site 5) early in the installation phase will allow crews to focus on high-traffic Mission Drive sites (Sites 3, 6, 7) during off-peak hours, minimizing disruption.
- ✓ **Utilizing Verkada's Platform**: Verkada's cloud-based setup and automatic firmware updates will streamline integration and testing, reducing configuration time compared to traditional systems.

XIT Solutions' proven scheduling abilities, demonstrated in over 50 public works projects, ensure Solvang's project will be delivered on time and within budget. Our proactive approach, combined with innovative time-saving strategies and direct control over resources, positions us to meet the City's aggressive timeline while delivering a high-quality, scalable surveillance system ready for future expansion.

4 Cost Structure

4.1 Pricing

- **Fixed Labor Pricing with Contingency Allowance**: XIT Solutions proposes a fixed labor cost for the full scope of installation, configuration, and training services. This approach ensures cost predictability and aligns with our proven project delivery model. To accommodate unforeseen site-specific conditions, we include a 10% contingency allowance, which will only be used with prior City approval.
- **Hardware Procurement:** All hardware—including cameras, mounts, enclosures, cabling, and backup power systems—will be purchased upfront. This ensures timely delivery, avoids supply chain delays, and locks in pricing. A detailed equipment list and associated costs are included in the proposal.
- **Licensing Options:** We offer flexible licensing terms for the AI-enabled surveillance platform, allowing the City to choose based on budget and long-term planning:
    - 1-Year License
    - 3-Year License
    - 5-Year License

    - 10-Year License
    - Each license includes cloud storage (365-day retention), AI analytics, and software updates.
- **Service Plan (Optional):** For ongoing support beyond the included 90-day post-installation period, we offer a service plan priced per camera. This plan covers:
    - On-site support for troubleshooting and adjustments
    - Preventive maintenance visits
    - Priority response for service calls
    - Quarterly system health reviews
- **Hourly Rates:** While our proposal is based on fixed pricing, we include the following hourly rates for transparency and any additional work requested outside the original scope:

Role	Hourly Rate
Project Manager	$120/hr
AV/IT Field Technician	$170/hr
Systems Engineer	$180/hr

- **Options for Reducing or Adding Services**
- **Reducing Scope**: The City may opt to reduce the number of camera locations or limit AI features to basic motion detection to lower costs.
- **Adding Services**: Optional upgrades include:
    - Integration of existing Axis/Ubiquiti cameras
    - Access control system design
    - Enhanced on-site support
    - Additional training sessions
- **Justification of Costs:** Our pricing reflects the complexity of deploying a secure, AI-enabled surveillance system in a high-traffic, architecturally sensitive environment. The fixed labor model ensures accountability, while the per-camera service plan offers scalable support. All costs are benchmarked against similar public sector deployments and comply with prevailing wage and procurement standards.

Solution Cost	1-Year	3-Year	5-Year	10-Year
All Cameras, Cabling, Mounting and Battery Systems	$50,284.95	$50,284.95	$50,284.95	$50,284.95
All Verkada Licenses	$4,321.59	$12,071.58	$19,488.24	$38,988.24
Cellular Network Hardware	$3,496.08	$3,496.08	$3,496.08	$3,496.08
Gridless Battery Back-Up with License	$32,181.96	$33,815.34	$35,448.66	$39,648.66
All Labor, Including Lift Rental	$38,345.00	$38,345.00	$38,345.00	$38,345.00
Shipping	$1881.00	$1881.00	$1881.00	$1881.00
Sales Tax (8.75%)	$7,703.01	$7,687.72	$7,703.01	$7,703.01
Proposed Cost (excluding tax)	**$138,213.59**	**$147,407.01**	**$156,646.94**	**$180,346.94**

5 Insurance Coverage

As a duly authorized representative of XIT Solutions, I hereby provide the following statement regarding our current insurance coverage in response to the City's requirements:

- **Professional Liability Insurance**: XIT Solutions maintains Professional Liability Insurance with a limit of $1,000,000 per occurrence, meeting the City's minimum requirement.
- **Automobile Liability Insurance**: XIT Solutions maintains Automobile Liability Insurance with a combined single limit of $1,000,000 per occurrence, meeting the City's minimum requirement.
- **General Liability Insurance**: XIT Solutions maintains General Liability Insurance with limits of $1,000,000 per occurrence and $2,000,000 in the aggregate, exceeding the City's minimum requirement of $1,000,000 per occurrence.
- **Workers' Compensation Insurance**: XIT Solutions maintains Workers' Compensation Insurance with a limit of $1,000,000 per occurrence, meeting the City's minimum requirement, and complies with all applicable statutory requirements.

All insurance policies are issued by reputable insurers and are in full force and effect as of the date of this statement. XIT Solutions is fully compliant with the City's minimum insurance requirements for Professional Liability, Automobile Liability, General Liability, and Workers' Compensation Insurance. Upon request, XIT Solutions is prepared to provide verification of these coverages or any additional endorsements required by the City.

Craig May

CEO, XIT Solutions



XIT Solutions
1112 20th Street
Bakersfield, California 93301
United States
http://www.xitsolutions.com
(P) 661-635-0365
(F) 661-635-0162

Quotation (Open)

Date	Expiration Date
Jun 18, 2025 09:45 AM PDT	07/18/2025

Modified Date
Jun 20, 2025 08:32 AM PDT

Quote #
58243 - rev 1 of 1

Description
REQUEST FOR PROPOSALS 1 year option

SalesRep
Barraza, Rian
(P) 661-635-0365

Customer Contact
Mutal, Olivia Uribe Mutal
olivia@cityofsolvang.com

Customer
City of Solvang (CO1710)
Mutal, Olivia Uribe Mutal
1644 Oak St.
Solvang, CA 93463
United States

Bill To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Ship To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Customer PO:	Terms: Undefined	Ship Via: FedEx Ground
Special Instructions:		Carrier Account #:

#	Description	Part #	Tax	Qty	Unit Price	Total
	"PROPOSAL for Professional Services – AI-Enabled Surveillance Camera System Downtown Corridor					
	Surveillance Pilot Project."					
	Alisal Rd./Oak St.					
1	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
2	Verkada - 1-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-1Y-CAP	No	1	$332.77	$332.77
3	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
4	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
5	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
6	Verkada -GC31 Cellular Gateway, Indoor, North America Type B plug	GC31-HW-NA	Yes	1	$499.44	$499.44
7	Verkada - 1-Year Cellular Gateway License, Capacity Increase	LIC-GC-1Y-CAP	No	6	$166.11	$996.66
	Copenhagen Dr. /Alisal Rd.					
8	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
9	Verkada - 1-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-1Y-CAP	No	1	$332.77	$332.77
10	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
11	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
12	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
13	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
14	Verkada - 1-Year Cellular Gateway License, Capacity Increase	LIC-GC-1Y-CAP	No	1	$166.11	$166.11
	Mission Dr./ Alisal Rd.					
15	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
16	Verkada - 1-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-1Y-CAP	No	1	$332.77	$332.77
17	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33

18	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
19	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
20	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
21	Verkada - 1-Year Cellular Gateway License, Capacity Increase	LIC-GC-1Y-CAP	No	1	$166.11	$166.11
	Mission Dr. / First St.					
22	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
23	Verkada - 1-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-1Y-CAP	No	1	$332.77	$332.77
24	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
25	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
26	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
27	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
28	Verkada - 1-Year Cellular Gateway License, Capacity Increase	LIC-GC-1Y-CAP	No	1	$166.11	$166.11
	Solvang Park (outside the bathrooms)					
29	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
30	Verkada - 1-Year Camera License, Capacity Increase	LIC-CAM-1Y-CAP	No	1	$110.55	$110.55
31	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
32	Verkada - 1-Year Cellular Gateway License, Capacity Increase	LIC-GC-1Y-CAP	No	1	$166.11	$166.11
	Mission Dr. / Atterdag Rd.					
33	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
34	Verkada - 1-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-1Y-CAP	No	1	$332.77	$332.77
35	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
36	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
37	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
38	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
39	Verkada - 1-Year Cellular Gateway License, Capacity Increase	LIC-GC-1Y-CAP	No	1	$166.11	$166.11
	5th St. and Mission Dr.					
40	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
41	Verkada - 1-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-1Y-CAP	No	1	$332.77	$332.77
42	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
43	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
44	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
45	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
46	Verkada - 1-Year Cellular Gateway License, Capacity Increase	LIC-GC-1Y-CAP	No	1	$166.11	$166.11
	Annex Building Option A					
47	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max Note: Replacing an existing camera.	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
48	Verkada - 1-Year Camera License, Capacity Increase	LIC-CAM-1Y-CAP	No	1	$110.55	$110.55

	City Hall option B					
49	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max Note: Replacing an existing camera.	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
50	Verkada - 1-Year Camera License, Capacity Increase	LIC-CAM-1Y-CAP	No	1	$110.55	$110.55
51	AV Lift Rental Daily Rate	AV-2010	No	1	$4,750.00	$4,750.00
	Battery Back up					
52	Gridless - Gridless Sentry 2: All-in-one battery and communications in a rugged case. Includes antenna 1 60W PoE and 1 30W PoE output port. Requires int. modem.	GS2-VKD-1H1S	Yes	6	$3,888.11	$23,328.66
53	Gridless - Pole Mount Kit for the Gridless Sentry. Includes straps for poles up to 4" diameter	GSX-001	Yes	6	$154.77	$928.62
54	Gridless - Steel mount strap for mounting the Gridless Sentry. Fits poles up to 20" diameter	GSX-004	Yes	6	$30.33	$181.98
55	Gridless - Pole Mount AC charger for Sentry 2	GSX-AC-2	Yes	6	$582.55	$3,495.30
56	Gridless Power - 1 Year Gridless Sentry License	GS-LIC-1Y	No	6	$154.77	$928.62
57	Gridless - Component Tariffs	GS2 Tariff 5.14.25	Yes	6	$553.13	$3,318.78
58	Encroachment Permits and Traffic Control Plan	PRMT-1	Yes	1	$3,000.00	$3,000.00
59	AV General Prevailing Wage Labor	AV-2001	No	1	$30,595.00	$30,595.00

All prices listed in this quote are subject to change without notice. XIT Solutions reserves the right to adjust pricing due to fluctuations caused by tariffs, supplier costs, government regulations, or other market conditions. Final pricing will be confirmed at the time of order placement.

Subtotal:	**$128,629.58**
Tax (8.7500%):	$7,703.01
Shipping:	$1,881.00
Total:	**$138,213.59**

These prices do NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability.

XIT Solutions
1112 20th Street
Bakersfield, California 93301
United States
http://www.xitsolutions.com
(P) 661-635-0365
(F) 661-635-0162

Quotation (Open)

Date	Expiration Date
Jun 19, 2025 11:59 AM PDT	07/19/2025

Modified Date
Jun 20, 2025 09:17 AM PDT

Quote #
58250 - rev 1 of 1

Description
REQUEST FOR PROPOSALS 3 year option UPDATED

SalesRep
Llamas, Jazmin
(P) 661-635-0365

Customer Contact
Mutal, Olivia Uribe Mutal
olivia@cityofsolvang.com

Customer
City of Solvang (CO1710)
Mutal, Olivia Uribe Mutal
1644 Oak St.
Solvang, CA 93463
United States

Bill To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Ship To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Customer PO:	Terms: Undefined	Ship Via: FedEx Ground
Special Instructions:		Carrier Account #:

#	Description	Part #	Tax	Qty	Unit Price	Total
	"PROPOSAL for Professional Services - AI Enabled Surveillance Camera System Downtown Corridor Surveillance Pilot Project"					
	Alisal Rd./Oak St.					
1	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
2	3-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-3Y-CAP	No	1	$916.11	$916.11
3	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
4	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
5	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
6	Verkada -GC31 Cellular Gateway, Indoor, North America Type B plug	GC31-HW-NA	Yes	1	$499.44	$499.44
7	3-Year Cellular Gateway License, Capacity Increase	LIC-GC-3Y-CAP	No	6	$471.66	$2,829.96
	Copenhagen Dr. /Alisal Rd.					
8	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
9	3-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-3Y-CAP	No	1	$916.11	$916.11
10	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
11	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
12	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
13	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW	Yes	1	$499.44	$499.44
14	3-Year Cellular Gateway License, Capacity Increase	LIC-GC-3Y-CAP	No	1	$471.66	$471.66
	Mission Dr./ Alisal Rd.					
15	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
16	3-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-3Y-CAP	No	1	$916.11	$916.11
17	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33

18	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
19	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
20	Verkada - GC31 Cellular Gateway	GC31-HW	Yes	1	$499.44	$499.44
21	3-Year Cellular Gateway License, Capacity Increase	LIC-GC-3Y-CAP	No	1	$471.66	$471.66
	Mission Dr. / First St.					
22	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
23	3-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-3Y-CAP	No	1	$916.11	$916.11
24	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
25	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
26	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
27	Verkada - GC31 Cellular Gateway	GC31-HW	Yes	1	$499.44	$499.44
28	3-Year Cellular Gateway License, Capacity Increase	LIC-GC-3Y-CAP	No	1	$471.66	$471.66
	Solvang Park (outside the bathrooms)					
29	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
30	3-Year Camera License, Capacity Increase	LIC-CAM-3Y-CAP	No	1	$305.00	$305.00
31	Verkada - GC31 Cellular Gateway	GC31-HW	Yes	1	$499.44	$499.44
32	3-Year Cellular Gateway License, Capacity Increase	LIC-GC-3Y-CAP	No	1	$471.66	$471.66
	Mission Dr. / Atterdag Rd.					
33	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
34	3-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-3Y-CAP	No	1	$916.11	$916.11
35	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
36	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
37	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
38	Verkada - GC31 Cellular Gateway	GC31-HW	Yes	1	$499.44	$499.44
39	3-Year Cellular Gateway License, Capacity Increase	LIC-GC-3Y-CAP	No	1	$471.66	$471.66
	5th St. and Mission Dr.					
40	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
41	3-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-3Y-CAP	No	1	$916.11	$916.11
42	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
43	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
44	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
45	Verkada - GC31 Cellular Gateway	GC31-HW	Yes	1	$499.44	$499.44
46	3-Year Cellular Gateway License, Capacity Increase	LIC-GC-3Y-CAP	No	1	$471.66	$471.66
	Annex Building Option A					
47	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
	Note: Replacing an existing camera.					

48	3-Year Camera License, Capacity Increase	LIC-CAM-3Y-CAP	No	1	$305.00	$305.00
	City Hall option B					
49	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max Note: Replacing an existing camera.	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
50	3-Year Camera License, Capacity Increase	LIC-CAM-3Y-CAP	No	1	$305.00	$305.00
51	AV Lift Rental Daily Rate	AV-2010	No	1	$4,750.00	$4,750.00
	Battery Back up					
52	Gridless - Gridless Sentry 2: All-in-one battery and communications in a rugged case. Includes antenna 1 60W PoE and 1 30W PoE output port. Requires int. modem.	GS2-VKD-1H1S	Yes	6	$3,888.11	$23,328.66
53	Gridless - Pole Mount Kit for the Gridless Sentry. Includes straps for poles up to 4" diameter	GSX-001	Yes	6	$154.77	$928.62
54	Gridless - Steel mount strap for mounting the Gridless Sentry. Fits poles up to 20" diameter	GSX-004	Yes	6	$30.33	$181.98
55	Gridless - Pole Mount AC charger for Sentry 2	GSX-AC-2	Yes	6	$582.55	$3,495.30
56	3 Year Gridless Sentry License	GS-LIC-3Y	No	6	$427.00	$2,562.00
57	Gridless - Component Tariffs	GS2 Tariff 5.14.25	Yes	6	$524.02	$3,144.12
58	Encroachment Permits and Traffic Control Plan	PRMT-1	Yes	1	$3,000.00	$3,000.00
59	AV General Prevailing Wage Labor	AV-2001	No	1	$30,595.00	$30,595.00

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These prices do NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability.

Subtotal:	**$137,838.29**
Tax (8.7500%):	$7,687.72
Shipping:	$1,881.00
Total:	**$147,407.01**

XIT Solutions
1112 20th Street
Bakersfield, California 93301
United States
http://www.xitsolutions.com
(P) 661-635-0365
(F) 661-635-0162

Quotation (Open)

Date	Expiration Date
Jun 19, 2025 03:09 PM PDT	07/19/2025

Modified Date
Jun 20, 2025 09:40 AM PDT

Quote #
58251 - rev 1 of 1

Description
REQUEST FOR PROPOSALS 5 year option UPDATED

SalesRep
Llamas, Jazmin
(P) 661-635-0365

Customer Contact
Mutal, Olivia Uribe Mutal
olivia@cityofsolvang.com

Customer
City of Solvang (CO1710)
Mutal, Olivia Uribe Mutal
1644 Oak St.
Solvang, CA 93463
United States

Bill To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Ship To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Customer PO:	Terms: Undefined	Ship Via: FedEx Ground
Special Instructions:		Carrier Account #:

#	Description	Part #	Tax	Qty	Unit Price	Total
	"PROPOSAL for Professional Services - AI Enabled Surveillance Camera System Downtown Corridor					
	Surveillance Pilot Project"					
	Alisal Rd./Oak St.					
1	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
2	5-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-5Y-CAP	No	1	$1,499.44	$1,499.44
3	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
4	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
5	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
6	Verkada -GC31 Cellular Gateway, Indoor, North America Type B plug	GC31-HW-NA	Yes	1	$499.44	$499.44
7	5-Year Cellular Gateway License, Capacity Increase	LIC-GC-5Y-CAP	No	6	$749.44	$4,496.64
	Copenhagen Dr. /Alisal Rd.					
8	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
9	5-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-5Y-CAP	No	1	$1,499.44	$1,499.44
10	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
11	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
12	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
13	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
14	5-Year Cellular Gateway License, Capacity Increase	LIC-GC-5Y-CAP	No	1	$749.44	$749.44
	Mission Dr./ Alisal Rd.					
15	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
16	5-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-5Y-CAP	No	1	$1,499.44	$1,499.44
17	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33

18	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
19	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
20	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
21	5-Year Cellular Gateway License, Capacity Increase	LIC-GC-5Y-CAP	No	1	$749.44	$749.44
	Mission Dr. / First St.					
22	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
23	5-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-5Y-CAP	No	1	$1,499.44	$1,499.44
24	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
25	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
26	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
27	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
28	5-Year Cellular Gateway License, Capacity Increase	LIC-GC-5Y-CAP	No	1	$749.44	$749.44
	Solvang Park (outside the bathrooms)					
29	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
30	5-Year Camera License, Capacity Increase	LIC-CAM-5Y-CAP	No	1	$499.44	$499.44
31	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
32	5-Year Cellular Gateway License, Capacity Increase	LIC-GC-5Y-CAP	No	1	$749.44	$749.44
	Mission Dr. / Atterdag Rd.					
33	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
34	5-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-5Y-CAP	No	1	$1,499.44	$1,499.44
35	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
36	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
37	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
38	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
39	5-Year Cellular Gateway License, Capacity Increase	LIC-GC-5Y-CAP	No	1	$749.44	$749.44
	5th St. and Mission Dr.					
40	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
41	5-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-5Y-CAP	No	1	$1,499.44	$1,499.44
42	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
43	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
44	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
45	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
46	5-Year Cellular Gateway License, Capacity Increase	LIC-GC-5Y-CAP	No	1	$749.44	$749.44
	Annex Building Option A					
47	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11

Note: Replacing an existing camera.

48	5-Year Camera License, Capacity Increase	LIC-CAM-5Y-CAP	No	1	$499.44	$499.44
	City Hall option B					
49	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max Note: Replacing an existing camera.	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
50	5-Year Camera License, Capacity Increase	LIC-CAM-5Y-CAP	No	1	$499.44	$499.44
51	AV Lift Rental Daily Rate	AV-2010	No	1	$4,750.00	$4,750.00
	Battery Back up					
52	Gridless - Gridless Sentry 2: All-in-one battery and communications in a rugged case. Includes antenna 1 60W PoE and 1 30W PoE output port. Requires int. modem.	GS2-VKD-1H1S	Yes	6	$3,888.11	$23,328.66
53	Gridless - Pole Mount Kit for the Gridless Sentry. Includes straps for poles up to 4" diameter	GSX-001	Yes	6	$154.77	$928.62
54	Gridless - Steel mount strap for mounting the Gridless Sentry. Fits poles up to 20" diameter	GSX-004	Yes	6	$30.33	$181.98
55	Gridless - Pole Mount AC charger for Sentry 2	GSX-AC-2	Yes	6	$582.55	$3,495.30
56	5 Year Gridless Sentry License	GS-LIC-5Y	No	6	$699.22	$4,195.32
57	Gridless - Component Tariffs	GS2 Tariff 5.14.25	Yes	6	$553.13	$3,318.78
58	Encroachment Permits and Traffic Control Plan	PRMT-1	Yes	1	$3,000.00	$3,000.00
59	AV General Prevailing Wage Labor	AV-2001	No	1	$30,595.00	$30,595.00

All prices listed in this quote are subject to change without notice. XIT Solutions reserves the right to adjust pricing due to fluctuations caused by tariffs, supplier costs, government regulations, or other market conditions. Final pricing will be confirmed at the time of order placement.

Subtotal:	**$147,062.93**
Tax (8.7500%):	$7,703.01
Shipping:	$1,881.00
Total:	**$156,646.94**

These prices do NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability.



XIT Solutions
1112 20th Street
Bakersfield, California 93301
United States
http://www.xitsolutions.com
(P) 661-635-0365
(F) 661-635-0162

Quotation (Open)

Date	Expiration Date
Jun 19, 2025 03:32 PM PDT	07/19/2025

Modified Date
Jun 20, 2025 09:42 AM PDT

Quote #
58252 - rev 1 of 1

Description
REQUEST FOR PROPOSALS 10 year option UPDATED

SalesRep
Llamas, Jazmin
(P) 661-635-0365

Customer Contact
Mutal, Olivia Uribe Mutal
olivia@cityofsolvang.com

Customer
City of Solvang (CO1710)
Mutal, Olivia Uribe Mutal
1644 Oak St.
Solvang, CA 93463
United States

Bill To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Ship To
City of Solvang
1644 Oak St.
Solvang, CA 93463
United States

Customer PO:	Terms: Undefined	Ship Via: FedEx Ground
Special Instructions:		Carrier Account #:

#	Description	Part #	Tax	Qty	Unit Price	Total
	"PROPOSAL for Professional Services – AI-Enabled Surveillance Camera System Downtown Corridor					
	Surveillance Pilot Project."					
	Alisal Rd./Oak St.					
1	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
2	10-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-10Y-CAP	No	1	$2,999.44	$2,999.44
3	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
4	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
5	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
6	Verkada -GC31 Cellular Gateway, Indoor, North America Type B plug	GC31-HW-NA	Yes	1	$499.44	$499.44
7	10-Year Cellular Gateway License, Capacity Increase	LIC-GC-10Y-CAP	No	6	$1,499.44	$8,996.64
	Copenhagen Dr. /Alisal Rd.					
8	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
9	10-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-10Y-CAP	No	1	$2,999.44	$2,999.44
10	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
11	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
12	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
13	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
14	10-Year Cellular Gateway License, Capacity Increase	LIC-GC-10Y-CAP	No	1	$1,499.44	$1,499.44
	Mission Dr./ Alisal Rd.					
15	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
16	10-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-10Y-CAP	No	1	$2,999.44	$2,999.44
17	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33

18	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
19	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
20	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
21	10-Year Cellular Gateway License, Capacity Increase	LIC-GC-10Y-CAP	No	1	$1,499.44	$1,499.44
	Mission Dr. / First St.					
22	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
23	10-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-10Y-CAP	No	1	$2,999.44	$2,999.44
24	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
25	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
26	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
27	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
28	10-Year Cellular Gateway License, Capacity Increase	LIC-GC-10Y-CAP	No	1	$1,499.44	$1,499.44
	Solvang Park (outside the bathrooms)					
29	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
30	10-Year Camera License, Capacity Increase	LIC-CAM-10Y-CAP	No	1	$999.44	$999.44
31	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
32	10-Year Cellular Gateway License, Capacity Increase	LIC-GC-10Y-CAP	No	1	$1,499.44	$1,499.44
	Mission Dr. / Atterdag Rd.					
33	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
34	10-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-10Y-CAP	No	1	$2,999.44	$2,999.44
35	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
36	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
37	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
38	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
39	10-Year Cellular Gateway License, Capacity Increase	LIC-GC-10Y-CAP	No	1	$1,499.44	$1,499.44
	5th St. and Mission Dr.					
40	CH52-E Outdoor Multisensor Camera, 8TB, 365 Days Max	CH52-8TBE-HW	Yes	1	$7,055.00	$7,055.00
41	10-Year Four-Camera Multisensor License, Capacity Increase	LIC-CAM-MLT4-10Y-CAP	No	1	$2,999.44	$2,999.44
42	Verkada - Large Arm Mount	ACC-MNT-XLARM-1	Yes	1	$88.33	$88.33
43	Verkada - Pendant Cap Mount	ACC-MNT-PEND-1	Yes	1	$38.33	$38.33
44	Verkada - Pole Mount	ACC-MNT-POLE-1	Yes	1	$116.11	$116.11
45	GC31 Cellular Gateway, Indoor, North America Type B Plug	GC31-HW-NA	Yes	1	$499.44	$499.44
46	10-Year Cellular Gateway License, Capacity Increase	LIC-GC-10Y-CAP	No	1	$1,499.44	$1,499.44
	Annex Building Option A					
47	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11

Note: Replacing an existing camera.

48	10-Year Camera License, Capacity Increase	LIC-CAM-10Y-CAP	No	1	$999.44	$999.44
	City Hall option B					
49	CD53-E Outdoor Dome Camera, 2TB, 365 Days Max Note: Replacing an existing camera.	CD53-2TBE-HW	Yes	1	$2,166.11	$2,166.11
50	10-Year Camera License, Capacity Increase	LIC-CAM-10Y-CAP	No	1	$999.44	$999.44
51	AV Lift Rental Daily Rate	AV-2010	No	1	$4,750.00	$4,750.00
	Battery Back up					
52	Gridless - Gridless Sentry 2: All-in-one battery and communications in a rugged case. Includes antenna 1 60W PoE and 1 30W PoE output port. Requires int. modem.	GS2-VKD-1H1S	Yes	6	$3,888.11	$23,328.66
53	Gridless - Pole Mount Kit for the Gridless Sentry. Includes straps for poles up to 4" diameter	GSX-001	Yes	6	$154.77	$928.62
54	Gridless - Steel mount strap for mounting the Gridless Sentry. Fits poles up to 20" diameter	GSX-004	Yes	6	$30.33	$181.98
55	Gridless - Pole Mount AC charger for Sentry 2	GSX-AC-2	Yes	6	$582.55	$3,495.30
56	10 Year Gridless Sentry License	GS-LIC-10Y	No	6	$1,399.22	$8,395.32
57	Gridless - Component Tariffs	GS2 Tariff 5.14.25	Yes	6	$553.13	$3,318.78
58	Encroachment Permits and Traffic Control Plan	PRMT-1	Yes	1	$3,000.00	$3,000.00
59	AV General Prevailing Wage Labor	AV-2001	No	1	$30,595.00	$30,595.00

All prices listed in this quote are subject to change without notice. XIT Solutions reserves the right to adjust pricing due to fluctuations caused by tariffs, supplier costs, government regulations, or other market conditions. Final pricing will be confirmed at the time of order placement.

Subtotal:	**$170,762.93**
Tax (8.7500%):	$7,703.01
Shipping:	$1,881.00
Total:	**$180,346.94**

These prices do NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability.

EXHIBIT B

INSURANCE REQUIREMENTS

Prior to the beginning of and throughout the duration of the Work, Consultant will maintain insurance in conformance with the requirements set forth below. Consultant will use existing coverage to comply with these requirements. If that existing coverage does not meet the requirements set forth here, Consultant agrees to amend, supplement or endorse the existing coverage to do so. Consultant acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds available to City in excess of the limits and coverage required in this agreement and which is applicable to a given loss, will be available to City.

Consultant shall provide the following types and amounts of insurance:

Commercial General Liability Insurance using Insurance Services Office "Commercial General Liability" policy form CG 00 01, or a City approved equivalent. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. Limits are subject to review but in no event less than $1,000,000 per occurrence and in the aggregate.

Business Auto Coverage on ISO Business Auto Coverage form CA 00 01 including symbol 1 (Any Auto) or the equivalent. Limits are subject to review, but in no event to be less than $1,000,000 per accident. If Consultant owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Consultant or Consultant's employees will use personal autos in any way on this project, Consultant shall provide evidence of personal auto liability coverage for each such person.

Workers Compensation on a state-approved policy form providing statutory benefits as required by law with employer's liability limits no less than $1,000,000 per accident or disease.

Professional Liability or Errors and Omissions Insurance as appropriate shall be written on a policy form coverage specifically designed to protect against acts, errors or omissions of the consultant and "Covered Professional Services" as designated in the policy must specifically include work performed under this agreement. The policy limit shall be no less than $1,000,000 per claim and in the aggregate. The policy must "pay on behalf of" the insured and must include a provision establishing the insurer's duty to defend. The policy retroactive date shall be on or before the effective date of this agreement.

Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with an A.M. Bests rating of A- or better and a minimum financial size VII.

General conditions pertaining to provision of insurance coverage by Consultant. Consultant and City agree to the following with respect to insurance provided by Consultant:

1. Consultant agrees to have its insurer endorse the third party general liability coverage required herein to include as additional insureds City, its officials, employees and agents, using standard ISO endorsement No. CG 2010 with an edition prior to 1992, or a City approved equivalent. Consultant also agrees to require all contractors, and subcontractors to do likewise.

2. No liability insurance coverage provided to comply with this Agreement shall prohibit Consultant, or Consultant's employees, or agents, from waiving the right of subrogation prior to a loss. Consultant agrees to waive subrogation rights against City regardless of the applicability of any insurance proceeds, and to require all contractors and subcontractors to do likewise.

3. All insurance coverage and limits provided by Consultant and available or applicable to this agreement are intended to apply to the full extent of the policies. Nothing contained in this Agreement

or any other agreement relating to the City or its operations limits the application of such insurance coverage.

4. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved of in writing.

5. Consultant's general liability policy shall not contain any provision or definition that would serve to eliminate so-called "third party action over" claims, including any exclusion for bodily injury to an employee of the insured or of any contractor or subcontractor.

6. All coverage types and limits required are subject to approval, reasonable modification and reasonable additional requirements by the City, as the need arises. Consultant shall not make any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discovery period) that may affect City's protection without City's prior written consent.

7. Proof of compliance with these insurance requirements, consisting of certificates of insurance evidencing all of the coverages required and an additional insured endorsement to Consultant's general liability policy, shall be delivered to City at or prior to the execution of this Agreement. In the event such proof of any insurance is not delivered as required, or in the event such insurance is canceled at any time and no replacement coverage is provided, City has the right, but not the duty, to obtain any insurance it deems necessary to protect its interests under this or any other agreement and to pay the premium. Any premium so paid by City shall be charged to and promptly paid by Consultant or deducted from sums due Consultant, at City option.

8. Certificate(s) are to reflect that the insurer will provide 30 days notice to City of any cancellation of coverage by the carrier.

9. It is acknowledged by the parties of this agreement that all insurance coverage required to be provided by Consultant or any subcontractor, is intended to apply first and on a primary, non-contributing basis in relation to any other insurance or self insurance available to City.

10. Consultant agrees to require that subcontractors, and any other party involved with the project who is brought onto or involved in the project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the project will be submitted to City for review.

11. If Consultant's existing coverage includes a deductible or self-insured retention, the deductible or self-insured retention must be declared to the City. At that time the City shall review options with the Consultant, which may include reduction or elimination of the deductible or self-insured retention, substitution of other coverage, or other solutions. Consultant shall be responsible for paying any deductibles or self-insured retentions on its policies.

12. The City reserves the right at any time during the term of the contract to change the amounts and types of insurance required by giving the Consultant ninety (90) days advance written notice of such change. If such change results in substantial additional cost to the Consultant, the City will negotiate additional compensation proportional to the increased benefit to City.

13. For purposes of applying insurance coverage only, this Agreement will be deemed to have been executed immediately upon any party hereto taking any steps that can be deemed to be in furtherance of or towards performance of this Agreement.

14. Consultant acknowledges and agrees that any actual or alleged failure on the part of City to inform Consultant of non-compliance with any insurance requirement in no way imposes any additional obligations on City nor does it waive any rights hereunder in this or any other regard.

15. Consultant will renew the required coverage annually as long as City, or its employees or agents face an exposure from operations of any type pursuant to this agreement. This obligation applies whether or not the agreement is canceled or terminated for any reason. Termination of this obligation is not effective until City executes a written statement to that effect.

16. Consultant shall provide proof that policies of insurance required herein expiring during the term of this Agreement have been renewed or replaced with other policies providing at least the same coverage. Proof that such coverage has been ordered shall be submitted prior to expiration. A coverage binder or letter from Consultant's insurance agent to this effect is acceptable. A certificate of insurance and/or additional insured endorsement as required in these specifications applicable to the renewing or new coverage must be provided to City within five days of the expiration of the coverages.

17. The provisions of any workers' compensation or similar act will not limit the obligations of Consultant under this agreement. Consultant expressly agrees not to use any statutory immunity defenses under such laws with respect to City, its employees, officials and agents.

18. Requirements of specific coverage features or limits contained in this section are not intended as limitations on coverage, limits or other requirements nor as a waiver of any coverage normally provided by any given policy. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue, and is not intended by any party or insured to be limiting or all-inclusive.

19. These insurance requirements are intended to be separate and distinct from any other provision in this agreement and are intended by the parties here to be interpreted as such.

20. The requirements in this Section supersede all other sections and provisions of this Agreement to the extent that any other section or provision conflicts with or impairs the provisions of this Section.

21. Consultant agrees to be responsible for ensuring that no contract used between itself and its sub-consultants reserves the right to charge City or Consultant for the cost of additional insurance coverage required by this agreement. Any such provisions are to be deleted with reference to City. It is not the intent of City to reimburse any third party for the cost of complying with these requirements. There shall be no recourse against City for payment of premiums or other amounts with respect thereto.

22. Consultant agrees to provide immediate notice to City of any claim or loss against Consultant arising out of the work performed under this agreement. City assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve City.

CITY OF SOLVANG

Applicant/Interested Party Campaign Contribution Disclosure Form

1644 Oak Street | Solvang, CA 93463 | www.cityofsolvang.com | (805) 688-5575

APPLICANT/INTERESTED PARTY INFORMATION

Applicant Name: Craig May		
Phone: 661-635-0365		Email (required): cmay@xitsolutions.com
Representative/Agent:		
Phone:		Email:
Mailing Address: 1112 20th Street		
City: Bakersfield	State: CA	Zip: 93301
Website:		
Name and subject matter of applicant's proceeding:		

CONTRIBUTION DISCLOSURE (GOVERNMENT CODE SECTION 84308)

Please list all contributions in excess of $250 (either as a single payment or in aggregate) made within the past 12 months to officers of the agency involved in the above-mentioned proceeding by any parties (applicants) or their agents or representatives, including corporations, limited liability companies (LLCs), or other business entities and principals thereof, that are affiliated with the above-referenced proceeding. You may attach additional pages as necessary to list contributions made to involved agency officers and provide additional information about the contributor's relationship with the recipient.

Contributor Name:

Date of Contribution	Recipient Office/Candidate	Contribution Amount ($):	Refund: Yes or No; Date of Refund.

☐ By checking this box I certify that I have not given any contributions consistent with Government Code Section 84308

ACKNOWLEDGEMENT

This form must be updated after each contribution, and no less than 45 days before any agency consideration regarding the above-referenced application. Completion of this form does not waive or in any way impact a party's obligation to disclose such contributions over $250 on the record of the proceeding pursuant to Government Code section 84308(e).

I declare under penalty of perjury that the information which has been included in this Disclosure Form is true and correct:

Signature: _____ Date: 7/9/2025

Print Name: Craig May

OFFICIAL USE ONLY

File/Project No:	Date Received: