

AGENDA
REGULAR BOARD MEETING OF THE
SAN ELIJO JOINT POWERS AUTHORITY
SEPTEMBER 15, 2026 AT 8:30 A.M.
SAN ELIJO WATER CAMPUS – BOARD MEETING ROOM
2695 MANCHESTER AVENUE
CARDIFF BY THE SEA, CALIFORNIA

1. CALL TO ORDER
2. ROLL CALL
3. PLEDGE OF ALLEGIANCE
4. ORAL COMMUNICATIONS/PUBLIC COMMENT PERIOD (NON-ACTION ITEM)
5. NEW HIRES, AWARDS AND RECOGNITION

Recognition of Service to SEJPA –

Concepcion Yanireth (Yani) Reyes-Heyer – 5 Years

Awards –

California Association of Sanitation Agencies:

2025 Excellence in Public Outreach/Education (Small Agency): 2025 Water Career Day

6. CHANGES TO THE AGENDA

Announcements of administrative changes to the agenda, in compliance with the Brown Act.

7. **CONSENT CALENDAR**

7A.* [APPROVAL OF MINUTES FOR JUNE 21, 2026 MEETING](#)

7B.1.* [APPROVAL FOR PAYMENT OF WARRANTS AND MONTHLY INVESTMENT REPORTS – JULY 2026](#)

7B.2.* [APPROVAL FOR PAYMENT OF WARRANTS AND MONTHLY INVESTMENT REPORTS – AUGUST 2026](#)

7C.1.* [WASTEWATER TREATMENT REPORT – JUNE 2026](#)

7C.2.* [WASTEWATER TREATMENT REPORT – JULY 2026](#)

7D.1.* [RECYCLED WATER REPORT – JUNE 2026](#)

7D.2.* [RECYCLED WATER REPORT – JULY 2026](#)

7E. * [REPORTABLE MEETINGS](#)

7F. * [CONSTRUCTION COMPLETION ACCEPTANCE – EMERGENCY RECYCLED WATER PIPELINE REPAIR AT EAST \(MAIN\) ENTRY GATE](#)

7G. * [AWARD OF PRELIMINARY ENGINEERING-DESIGN SERVICES FOR OLIVENHAIN PUMP STATION GENERATOR AND ELECTRICAL UPGRADES PROJECT](#)

7H. * [AMEND PROFESSIONAL SERVICES AGREEMENT FOR AS-NEEDED CONSULTING ENGINEERING SERVICES](#)

7I. * [PROJECT MANAGEMENT AND ENGINEERING SERVICES FOR LOMAS SANTA FE BOOSTER PUMP STATION REHABILITATION](#)

8. * [ITEMS REMOVED FROM CONSENT CALENDAR](#)

Items on the Consent Calendar are routine matters and there will be no discussion unless an item is removed from the Consent Calendar. Items removed by a "Request to Speak" form from the public will be handled immediately following adoption of the Consent Calendar. Items removed by a Board Member will be handled as directed by the Board.

9. **REGULAR AGENDA**

9A. [NOTICE OF EMERGENCY SITUATION AND AWARD OF CONSTRUCTION CONTRACT FOR REPAIRS TO RECYCLED WATER PIPELINE LATERAL ON SAXONY ROAD IN ENCINITAS](#)

1. Review and Confirm this Emergency Condition pursuant to San Elijo Joint Powers Authority's Resolution 2022-01 "Purchasing Policies and Procedures" and Public Contract Code 22050, and ratify the General Manager's execution of an emergency repair agreement with Burtech Pipeline for repairs to buried recycled water pipeline lateral on Saxony Road; and
2. Discuss and take action as appropriate.

Staff Reference: General Manager

9B. [AWARD OF ENGINEERING-DESIGN SERVICES FOR RECYCLED WATER PIPELINE REPLACEMENT PROJECT](#)

1. Authorize the General Manager to execute a Professional Services Agreement with Hoch Consulting, Inc. in an amount not-to-exceed \$135,543 for the design of the Recycled Water Pipeline Replacement Project; and
2. Discuss and take action as appropriate.

Staff Reference: Deputy General Manager

9C. [TREATMENT AND DISTRIBUTION PERFORMANCE UPDATE](#)

1. Discuss and take action as appropriate.

Staff Reference: General Manager

9D. [CAPITAL PROGRAM UPDATE](#)

1. Discuss and take action as appropriate.

Staff Reference: Deputy General Manager

9E. [GENERAL MANAGER EMPLOYMENT AGREEMENT BY AND BETWEEN SAN ELIJO JOINT POWERS AUTHORITY AND THOMAS FALK](#)

1. Approve the General Manager Employment Agreement by and between San Elijo Joint Powers Authority and Thomas Falk, with an effective date of November 3, 2026; and
2. Discuss and take action as appropriate.

Staff Reference: General Counsel

10. [GENERAL MANAGER'S REPORT](#)

Informational report by the General Manager on items not requiring Board action.

11. [GENERAL COUNSEL'S REPORT](#)

Informational report by the General Counsel on items not requiring Board action.

12. [BOARD MEMBER COMMENTS](#)

This item is placed on the agenda to allow individual Board Members to briefly convey information to the Board or public, or to request staff to place a matter on a future agenda and/or report back on any matter. There is no discussion or action taken on comments by Board Members.

13. CLOSED SESSION

None.

14. ADJOURNMENT

The next regularly scheduled San Elijo Joint Powers Authority Board Meeting will be Tuesday, October 20, 2026 at 8:30 a.m.

NOTICE:

The San Elijo Joint Powers Authority's open and public meetings comply with the protections and prohibitions contained in Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C Section 12132), and the federal rules and regulations adopted in implementation thereof. Any person with a disability who requires a modification or accommodation, including auxiliary aids or services, in order to participate in a public meeting of the SEJPA Board of Directors, may request such modification or accommodation from Michael T. Thornton, General Manager, (760) 753-6203 ext. 72.

The agenda package and materials related to an agenda item submitted after the packet's distribution to the Board are available for public review in the lobby of the SEJPA Administrative Office during normal business hours. Agendas and minutes are available at www.sejpa.org. The 2026 SEJPA Board meetings schedule is available at [SEJPA Board Meeting Dates](#).

AFFIDAVIT OF POSTING

I, Michael T. Thornton, Secretary of the San Elijo Joint Powers Authority, hereby certify that I posted, or have caused to be posted, a copy of the foregoing agenda on the SEJPA website at www.sejpa.org, and in the following locations:

- San Elijo Water Campus (formerly known as San Elijo Water Reclamation Facility), 2695 Manchester Avenue, Encinitas, California
- City of Encinitas, 505 South Vulcan Avenue, Encinitas, California
- City of Solana Beach, 635 South Highway 101, Solana Beach, California

The original agenda was published on Thursday, September 10, 2026, at least 72 hours prior to the meeting, in accordance with Government Code Section 54954.2(a).

Date: September 15, 2026



Michael T. Thornton, P.E.
Secretary / General Manager

Agenda Item No. 7A

SAN ELIJO JOINT POWERS AUTHORITY
MINUTES OF THE BOARD MEETING
HELD ON JULY 21, 2026
AT THE SAN ELIJO WATER CAMPUS

Luke Shaffer, Chair

David Zito, Vice Chair

A meeting of the Board of Directors of the San Elijo Joint Powers Authority (SEJPA) was held Tuesday, July 21, 2026, at 8:30 a.m., at the San Elijo Water Campus.

1. CALL TO ORDER

Vice Chair Zito called the meeting to order at 8:31 a.m.

2. ROLL CALL

Directors Present:

Vice Chair

David Zito

Board Member

Jim O'Hara

Board Member

Kristi Becker

Directors Absent:

Board Chair

Luke Shaffer

Others Present:

General Manager

Michael Thornton

Deputy General Manager

Thomas Falk

Director of Operations

Christopher Trees

Director of Finance and Administration

Kevin Lang

Administrative Coordinator

Vanessa Hackney

SEJPA Counsel:

Snell and Wilmer

Tracie Stender

City of Encinitas/San Dieguito Water District:

General Manager

Isam Hireish

Senior City Engineer

Will Trax

City of Solana Beach:

City Engineer

Austin Frisby

3. PLEDGE OF ALLEGIANCE

Vice Chair Zito led the Pledge of Allegiance.

4. ORAL COMMUNICATIONS/PUBLIC COMMENT PERIOD

None.

5. NEW HIRES, AWARDS AND RECOGNITION

None.

6. CHANGES TO THE AGENDA

None.

7. CONSENT CALENDAR

Agenda Item No. 7A Approval of Minutes for the June 16, 2026 Board Meeting

Agenda Item No. 7B Approval for Payment of Warrants and Monthly Investment Report – June 2026

Agenda Item No. 7C Wastewater Treatment Report – May 2026

Agenda Item No. 7D Recycled Water Report – May 2026

Agenda Item No. 7E Reportable Meetings

Agenda Item No. 7F Status Update – Emergency Recycled Water Pipeline Repair at East Entry Gate

Agenda Item No. 7G Appointment of the San Elijo Joint Powers Authority Auditor

Agenda Item No. 7H Update Conflict of Interest Code

Agenda Item No. 7I Amend Agreement for Generator Maintenance Services for Fiscal Year 2026-27

Moved by Board Member O'Hara and seconded by Board Member Becker to approve the Consent Calendar.

Motion carried with the following vote of approval:

AYES: Zito, O'Hara (casting 2 votes: one in personal capacity, one as proxy for Board Chair Shaffer), Becker

NOES: None

ABSENT: Shaffer

ABSTAIN: None

9A. CAPITAL PROGRAM UPDATE

Deputy General Manager Thomas Falk presented that SEJPA's Capital Improvement Program is entering a new phase of engineering and design to support SEJPA's wastewater, recycled water, and ocean outfall capital needs. The program is transitioning from large-scale construction to a focus on planning and design for future capital improvements. Planned investments include facility rehabilitation, equipment replacement, and upgrades to aging electrical and control systems. These improvements are intended to maintain operational reliability, extend the useful life of existing infrastructure, improve system efficiency, and reduce the likelihood of unplanned system outages.

The Capital Improvement Program for the Fiscal Years Ending (FYE) 2026–2028 is currently estimated at approximately \$12 million and includes about 20 discrete projects. Funding will come from a combination of wastewater Pay-Go revenues, remaining recycled water loan proceeds, and available cash reserves.

Staff is advancing the priority projects presented to the Board in March 2026 through the various stages of project development, including planning, engineering and design, bidding, and construction. Engineering and construction management services will be retained as needed to provide specialized technical expertise and supplement staff resources during periods of increased workload.

The FYE 2026-28 Capital Plan expenditures are budgeted at \$8.25 million and \$4 million from the wastewater and recycled water programs, respectively. These funding levels are consistent with capital appropriations approved by the Board through the Annual Budget and Recycled Water Cost of Service Study. As projects move to implementation, the Board will authorize contracts in accordance with SEJPA's Purchasing Policies and Procedures.

No action required. This item was submitted for information only.

10. GENERAL MANAGER'S REPORT

General Manager Michael Thornton provided a brief update on the westerly coastal bluff area of the San Elijo Water Campus (SEWC). A small landslide occurred at the south end of the open space. SEJPA is assessing the bluff with respect to wildfire risk management, erosion control, and overall bluff integrity to inform ongoing planning efforts. An investigation is underway to assess the area and determine appropriate next steps. There is currently no identified threat to life or property, and staff will report back to the Board with an update in the coming months.

11. GENERAL COUNSEL'S REPORT

None.

12. BOARD MEMBER COMMENTS

None.

13. CLOSED SESSION

A closed session was held for:

PUBLIC EMPLOYEE APPOINTMENT (Government Code Section 54957 (b)(1), Title:
General Manager – Succession Planning

The closed session began at 9:00 am and ended at 9:23 am with no reportable actions taken.

14. ADJOURNMENT

The meeting adjourned at 9:24 a.m. The next Board of Directors meeting is scheduled to be held on Tuesday, September 15, 2026 at 8:30 a.m.

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS

For the Month of July 2026

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
46810	Adam Kaye	Services - Professional	Public communications	\$ 200.00
46811	Affordable Drain Services	Services - Maintenance	Jet/Vac truck service for 21st St Pump Station and Headworks	1,700.00
46812	Ag Tech, LLC	Services - Biosolids Hauling	Biosolids hauling and reuse - Jul	20,421.95
46813	Aguilar Plant Care, Inc	Services - Maintenance	Palm treatment	2,675.00
46814	Alliant Insurance Services, Inc	Insurance - Auto	Equipment floater - Renewal premium	2,977.00
46815	Allied Storage Containers	Equipment Rental/Lease	20' and 40' storage containers - Jul	359.89
46816	APGN Inc.	Repair Parts Expense	Neuros blowers capacitors	3,320.86
46817	Black & Veatch	Services - Engineering	Facility plan update through 06/05/26	1,344.00
46818	Boot World, Inc.	Uniforms - Boots	Safety boots - W. Friedly	225.00
46819	Brenntag Pacific, Inc	Supplies - Chemicals, Chem - Odor	Citric acid and sodium hydroxide	5,181.53
46820	Brewer Crane and Rigging	Services - Maintenance	Crane service	1,351.25
46821	CDM Smith	Services - Engineering	Services for Wanket Tank - May	8,675.00
46822	Consolidated Electrical Dist.	Repair Parts Expense, Shop Tools and Equip.	Power meter and various supplies	17,827.78
46823	Corodata	Rent	Record storage - Jun	124.79
46824	County of San Diego	Fees - Permits	Permits	2,488.00
46825	CA Sanitation Risk Mgmt Auth.	Prepaid - Other	Work comp insurance - FY 2026-27	61,479.00
46826	CA Sanitation Risk Mgmt Auth.	Prepaid - Other	Property insurance premium - FY 2026-27	134,913.89
46827	County of San Diego	Fees - Permits	Permits - Olivenhain Pump Station. inspection	150.00
46828	Cosby Oil Company, Inc	Fuel	Fuel - Jun	638.42
46829	Apolo Ramirez Cervantes	Dues & Memberships	Employee reimbursement - Grade II operator exam fees	284.00
46830	Benefits Coordinators Corp.	Dental/Vision	Vision - Jul	433.90
46831	CW Southwest, LLC	Vehicle Maintenance	Vehicle maintenance - 2019 Ford F-750	2,316.74
46832	CWEA	Dues & Memberships	Certification renewal - M. Haney	114.00
46833	Dept. of Industrial Relations	Fees - Permits	Inspection fees	225.00
46834	EDCO Waste & Recycling Service	Utilities - Trash	Trash- Jun	520.68
46835	EnvirGreen Electronic Rec	Services - Maintenance	Electronics recycling	304.00
46836	Environmental Express, Inc.	Supplies - Lab	BOD bottles	1,136.20
46837	Eurofins Calscience, LLC	Services - Laboratory	Testing water samples	2,064.25
46838	Excel Landscape, Inc.	Services - Landscape	Grounds maintenance service - Jun	4,382.00
46839	Grainger, Inc.	Repair Parts Expense, Shop Tools and Equip.	Various supplies	6,330.97
46840	Harrington Industrial Plastics	Repair Parts Expense	Various supplies	827.25
46841	Hoch Consulting, APC	Services - Professional	Grant Support Prop 1 Rd 1 Proj. 7 - Feb through May	1,215.00
46842	Liquid Environmental Solution	Services - Grease & Scum	Pumping service	263.24
46843	Michael R. Welch, Ph.D., P.E.	Services - Professional	As needed regulatory support services - Mar-Jun	8,580.00
46844	Nautilus Environmental, Inc	Services - Laboratory	Laboratory toxicity testing services for May	1,290.00
46845	Olin Corp - Chlor Alkali	Supplies - Chem - Sodium Hypo	Procurement of Sodium Hypochlorite	11,203.67
46846	Westbound Solar 2, LLC	Utilities - Solar Power	Solar - May	15,636.32
46847	Olivenhain Municipal Water Dis	Rent, Services - Professional	Woodward and Curran NSDWRC support - Prop 1 Rd 2 & Pipeline rental payment	17,037.50
46848	Pipeline Products, Inc	Shop Tools and Equip.	Various supplies	1,483.62
46849	Polydyne Inc.	Supplies - Chem - Polymer	Clarifloc WE-2942	4,287.38
46850	Rockwell Solutions, Inc	Repair Parts Expense	Various supplies	6,080.13
46851	Santa Fe Irrigation District	Utilities - Water	Potable Water	632.24
46852	San Dieguito Water District	Utilities - Water	Supplemental Water	31,990.51
46853	Trussell Technologies, Inc	Services - Professional	T1 - Operational support from Mar - May	13,659.75
46854	Tyler Cook	Subsistence - Travel/Rm & Bd	Employee reimbursement - Mileage	36.76
46855	Unifirst Corporation	Services - Uniforms	Uniform service	591.41
46856	United Scope LLC	Supplies - Shop & Field	Microscope	3,330.36

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS

For the Month of July 2026

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
46857	Underground Service Alert/SC	Services - Alarm	Dig alert, safe excavation board	175.93
46858	USA Bluebook	Supplies - Lab	Various lab supplies	931.07
46859	U. S. Bank	Bank Service Charges	Deposit agreement fees - 2023 Project Fund	825.00
46860	Volt Management Corp	Services - Temp	Internship program and temp service	1,865.79
46861	VWR International, Inc.	Supplies - Lab	TSS and pH supplies	408.83
46862	WageWorks	Payroll Processing Fees	Admin fee - Jun	160.25
46863	WCT Products	Shop Tools and Equip.	Underground utility locator	7,305.45
46864	Aflac	EE Deduction Benefits Payable	Aflac - Jul	920.54
46865	Agile Occupational Med., PC	Services - Medical	Physical and drug test	420.00
46866	Ametek Brookfield	Services - Maintenance	Hydrogen sulfide meter repair and calibration	4,134.67
46867	Ardurra Group, Inc	Services - Engineering	Wanket tank refurbish support from Apr through Jun	2,650.00
46868	AT&T	Utilities - Internet	Internet service - Jun	2,183.33
46869	AT&T	Utilities - Telephone	Phone service - Jun	777.10
46870	Atlas	Services - Engineering	Geotechnical consultation - SEWC slope erosion study	4,955.00
46871	Burtech Pipeline, Inc.	Services - Contractors	Emergency repair services for RW pipeline east front gate	23,152.13
46872	CA. Office Cleaning, Inc.	Services - Janitorial	Office and window cleaning	4,981.00
46873	California Water Technologies	Supplies - Chem - Ferric Chlo	Ferric chloride solution	12,223.81
46874	Carollo Engineers	Services - Engineering	RW valve replacement services - Jun	5,140.00
46875	County of San Diego	Fees - Permits	Permits - Moonlight Beach Pump Station	622.00
46876	CW Southwest, LLC	Vehicle Maintenance	Vehicle maintenance - 2019 Ford	1,042.53
46877	CWEA	Dues & Memberships	Membership renewal - T. Cook	259.00
46878	Dixieline Lumber Company	Repair Parts Expense	Various supplies	67.62
46879	Encina Wastewater Authority	Services - Laboratory	Heterotrophic plate count	117.18
46880	Grainger, Inc.	Repair Parts Expense, Shop Tools and Equip., Supplies - Safety	Various supplies	7,189.35
46881	Cosby Oil Company, Inc	Fuel	Fuel - Jul	767.93
46882	Maria Ines Cruz	Subsistence - Travel/Rm & Bd	Employee reimbursement - Mileage	32.48
46883	Eurofins Calscience, LLC	Services - Laboratory	Testing water samples	42.50
46884	Excel Landscape, Inc.	Services - Landscape	Grounds maintenance service - Jun	2,475.36
46885	Fossil Industries, Inc	Capital Outlay	Trail signs	2,104.00
46886	Evan E Fox	Subsistence - Travel/Rm & Bd	Employee reimbursement - Mileage	120.08
46887	Hardy Diagnostics	Supplies - Lab	Various lab supplies	1,788.05
46888	Kevin R. Lang	Seminars/Education	Employee reimbursement - CSDA registration fees	890.00
46889	Lawson Products Inc.	Supplies - Shop & Field	Various supplies	355.98
46890	McMaster-Carr Supply Co.	Shop Tools and Equip., Repair Parts Expense	Various supplies	1,853.66
46891	MetLife - Group Benefits	Prepaid - Other	Dental - Aug 26	3,389.90
46892	Midas Shop	Vehicle Maintenance	Oil change - Ford F 150	105.11
46893	Oasis Palm Nursery, Inc.	Services - Maintenance	Summer service - Palm maintenance	600.00
46894	Otis Elevator Company	Services - Maintenance	Elevator maintenance - Jul	243.78
46895	Pacific Pipeline Supply	Repair Parts Expense	Various supplies	1,291.84
46896	RCK Controls, Inc.	Service - IT Support	Del Mar Fairground cellular services for FY 2025-26	4,284.00
46897	RingCentral, Inc	Utilities - Telephone	Phone service - Jul	532.00
46898	Rusty Wallis, Inc.	Supplies - Shop & Field	Water softener, tank service and salt bags	297.75
46899	Santa Fe Irrigation District	Utilities - Water	Water	123.51
46900	Santa Fe Irrigation District	SFID Distribution Pipeline	Pipeline purchase payment	5,190.08
46901	Michael Thornton	Subsistence - Travel/Rm & Bd, Meals	Employee reimbursement - Various expenses	80.80
46902	Unifirst First Aid Corp	Supplies - Safety	First aid supplies	428.96
46903	Snell & Wilmer L.L.P	Services - Legal	General counsel - Jun	6,545.00

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS

For the Month of July 2026

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
46904	Terminix Processing Center	Services - Maintenance	Pest control service	1,257.02
46905	Trussell Technologies, Inc	Services - Professional	Operational support from Jun	560.25
46906	U.S. Bank Equipment Finance	Supplies - IT Equipment	IT equipment lease	644.38
46907	Unifirst Corporation	Services - Uniforms	Uniform service	183.92
46908	USA Bluebook	Repair Parts Expense, Supplies - Lab	Pump and various lab supplies	4,675.87
46909	Verizon Wireless	Utilities - Telephone	Phone service Jun	620.42
46910	Verizon Wireless	Utilities - Telephone	Cell phone service - Jun	754.71
46911	Volt Management Corp	Services - Temp	Internship program and temp service	11,561.21
46912	VWR International, Inc.	Supplies - Lab	Various lab supplies	1,515.20
46913	Alliant Insurance Services, Inc	Insurance - Liability	ACIP crime renewal - FY 202-/27	942.00
46914	gafcon	Services - Contractors	Labor compliance for Wanket Tank - Jun	619.50
46915	Kelsey Structural, APC	Services - Engineering	Design of primary clarifier #6 floor slab project	8,450.00
46916	Valley CM, Inc.	Services - Professional	Management and inspection services - Apr - Jun	9,010.00
46917	Yao Engineering, Inc	Services - Engineering	Professional services through Jun	17,749.00
On-line 1271	Calpers	Retirement Plan - PERS	1959 Survivor - rate plan identifier 1932	198.00
On-line 1272	Calpers	Retirement Plan - PERS	1959 Survivor - rate plan identifier 26431	987.00
On-line 1273	Calpers	Prepaid - Other	FY 2026-27 CalPERS UAL - plan identifier 26431	481,449.00
On-line 1274	Home Depot Credit Services	Supplies - Shop & Field	Various supplies	652.52
On-line 1275	P.E.R.S.	Medical Insurance - Pers	Health - Jul	50,400.19
On-line 1276	Public Employees- Retirement	Retirement Plan - PERS	Retirement - 06/06/26 - 06/19/26	24,856.58
On-line 1277	UPS	Postage/Shipping	Shipping	25.00
On-line 1278	BankCard Center	Supplies - IT Equipment, Supplies - Safety, Vehicle Maintenance	Various supplies	20,945.36
On-line 1279	Mission Square	ICMA Retirement	ICMA - 401 a	7,984.86
On-line 1280	Mission Square - 304175	EE Deduction Benefits Payable	ICMA - 457	11,253.27
On-line 1281	CA. Dept. of Tax & Fee Admin.	Accrued Sales Tax Payable	Use tax - Apr - Jun	147.00
On-line 1282	Home Depot Credit Services	Capital Outlay, Shop Tools and Equip.	Various supplies	1,432.92
On-line 1283	Mission Square	ICMA Retirement	ICMA - 401 a	10,244.39
On-line 1284	Mission Square	EE Deduction Benefits Payable	ICMA - 457	11,696.27
On-line 1285	Public Employees- Retirement	Retirement Plan - PERS	Retirement - 06/20/26 - 07/03/26	25,037.27
On-line 1286	Sun Life Financial	Prepaid - Other	Life and disability - Aug	3,425.16
On-line 1287	WM Corporate Services, Inc.	Services - Grit & Screenings	Roll off bins - Jun	450.00
On-line 1288	San Diego Gas & Electric	Utilities - Gas & Electric	Gas and electric - Jun	109,176.22
Payroll ACH	San Elijo Payroll Account	Payroll	Payroll - Pay Date 07/10/2026	126,719.02
Payroll ACH	San Elijo Payroll Account	Payroll	Payroll - Pay Date 07/24/2026	148,949.59
				<u>\$ 1,612,933.69</u>

**SAN ELIJO JOINT POWERS AUTHORITY
PAYMENT OF WARRANTS SUMMARY**

**For the Month of JULY 2026
As of JULY 31, 2026**

PAYMENT OF WARRANTS

\$ 1,612,933.69

I hereby certify that the demands listed and covered by warrants are correct and just to the best of my knowledge, and that the money is available in the proper funds to pay these demands. The cash flows of SEJPA, including the Member Agency commitment in their operating budgets to support the operations of SEJPA, are expected to be adequate to meet SEJPA's obligations over the next six months. I also certify that SEJPA's investment portfolio complies with the SEJPA's investment policy.



Kevin Lang
Director of Finance and Administration

SAN ELIJO JOINT POWERS AUTHORITY
STATEMENT OF FUNDS AVAILABLE FOR PAYMENT OF WARRANTS
AND INVESTMENT INFORMATION

As of JULY 31, 2026

FUNDS ON DEPOSIT WITH	AMOUNT
LOCAL AGENCY INVESTMENT FUND <i>(JULY 2026 YIELD 3.840%)</i>	\$ 12,120,935.06
CALIFORNIA BANK AND TRUST <i>(JULY 2026 YIELD 0.01%)</i>	402,187.63
U.S. Bank <i>(JULY 2026 YIELD 2.55%)</i>	8,451,789.77
PARS <i>(JULY 2026 YIELD -0.57%)</i>	1,331,015.80
TOTAL RESOURCES	<u>\$ 22,305,928.26</u>

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS

For the Month of August 2026

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
46918	Allied Storage Containers	Equipment Rental/Lease	20' and 40' storage containers - Aug	\$ 359.89
46919	ATAC Inc	Subscriptions	Security badging software maintenance renewal	1,245.00
46920	Atlas	Services - Engineering	Geotechnical consultation - SEWC Slope Erosion Study	4,955.00
46921	Automation Direct	Repair Parts Expense	Network switch	263.99
46922	Black & Veatch	Services - Engineering	Facility plan update - Jun	2,761.50
46923	Boot World, Inc.	Uniforms - Boots	Safety boots - D. McGinness, E. Fox and M. Haney	225.00
46924	Boyd Fasteners	Repair Parts Expense	Outlets	265.07
46925	California Water Technologies	Supplies - Chem - Ferric Chlo	Ferric chloride	22,744.85
46926	CDM Smith	Services - Engineering	Services for Wanket Tank - Jun	14,715.00
46927	Consolidated Electrical Dist.	Repair Parts Expense	Light fixture	606.09
46928	City of Solana Beach	Solana Beach RW Pipeline	Pipeline reimbursement - FY 26	10,980.00
46929	Corodata	Rent	Record storage - Jul	128.78
46930	Dixieline Lumber Company	Shop Tools and Equip., Supplies - Shop & Field	Various supplies	267.21
46931	EDCO Waste & Recycling Service	Utilities - Trash	Trash - Jul	536.64
46932	Excel Landscape, Inc.	Services - Landscape	Grounds maintenance service - Jul	4,382.00
46933	FRS Environmental	Services - Maintenance	Parts washer service	308.70
46934	Hach Company	Repair Parts Expense	pH probe for primary effluent	1,887.95
46935	Cosby Oil Company, Inc	Fuel	Fuel - Jul	743.91
46936	Hudson Safe-T-Lite Rentals	Services - Contractors	Traffic control services	3,820.00
46937	Benefits Coordinators Corp.	Dental/Vision	Vision - Aug	433.90
46938	Grainger, Inc.	Repair Parts Expense, Shop Tools and Equip., Supplies - Safety	Various supplies	3,306.35
46939	Hardy Diagnostics	Supplies - Lab	Various lab supplies	1,290.17
46940	Hoch Consulting, APC	Services - Professional	Grant Admin Prop 1 Round 1 Project 6 & 7 N.C. RW & Po - Jun 26	7,610.00
46941	JCI Jones Chemicals, Inc	Supplies - Chem - Sodium Hypo	Procurement of Sodium Hypochlorite	19,842.06
46942	Kyocera Doc Solutions America	Printing, postage and shipping	Printing, toner and shipping fees	344.39
46943	Void			-
46944	McMaster-Carr Supply Co.	Repair Parts Expense, Shop Tools and Equip., Supplies - Shop & Field	Various supplies	3,034.70
46945	Nash Fabricators	Repair Parts Expense	Daft 1 steel skimmer arms	12,906.30
46946	Westbound Solar 2, LLC	Utilities - Solar Power	Solar - Jun	15,462.62
46947	Liquid Environmental Solution	Services - Grease & Scum	Pumping service	810.00
46948	Northstar Chemical	Supplies - Chemicals	Citric acid	2,799.51
46949	Olivenhain Municipal Water Dis	Services - Professional	Rincon NSDWRC Support Services	136.71
46950	Pencco Inc.	Supplies - Chem - Odor	Liquid calcium nitrate	10,071.09
46951	Polydyne Inc.	Supplies - Chem - Polymer	Clarifloc - WE-2942 and WE-007	8,574.76
46952	RSF Security Systems	Services - Alarm	Code change service	36.00
46953	Rusty Wallis, Inc.	Supplies - Shop & Field	Water softener, tank service and salt bags	437.83
46954	Safe Hearing America	Services - Professional	Hearing test evaluations	1,408.55
46955	Scheidel Professional Corp.	Services - Engineering	Lomas Santa Fe Pump Station Prelim Eng. Report - Jun	5,389.75
46956	San Dieguito Water District	Utilities - Water	Water	4,354.02
46957	Tesco Controls	Services - Professional	SCADA support services	15,256.69
46958	U.S. Bank Equipment Finance	Supplies - IT Equipment	IT equipment lease	298.35
46959	Unifirst Corporation	Services - Uniforms	Uniform jackets and service	1,491.93
46960	Univar Solutions USA Inc.	Supplies - Chemicals	Sodium Hydroxide	1,329.28
46961	Underground Service Alert/SC	Services - Alarm	Dig alert and safe excavation board	183.89
46962	USA Bluebook	Capital Outlay, Repair Parts Expense, Supplies - Lab	Chlorine analyzer, chain tensioner and breakers	513.09
46963	U. S. Bank	Bank Service Charges	Deposit agreement fees - 2023 Project Fund	850.00
46964	Volt Management Corp	Services - Temp	Internship program and temp service	268.38
46965	Void			-

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS

For the Month of August 2026

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
46966	Void			-
46967	WageWorks	Payroll Processing Fees	Admin fee - Jul	160.25
46968	Western Hose & Gasket	Supplies - Shop & Field	Hoses	4,135.20
46969	LiftOff,LLC	Licenses	Licenses - Office 365, Exchange, Project, Copilot and Azure	17,176.80
46970	Adam Kaye	Services - Professional	Public communications	100.00
46971	Aflac	EE Deduction Benefits Payable	Aflac - Aug 26	920.54
46972	Ag Tech, LLC	Services - Biosolids Hauling	Biosolids hauling and reuse - Jul	20,525.62
46973	AT&T	Utilities - Internet	Internet service - Jul	2,183.33
46974	Babcock Laboratories, Inc	Services - Laboratory	Annual water suitability test	621.00
46975	Boot World, Inc.	Uniforms - Boots	Safety boots - D. McGinness, E. Fox and M. Haney	434.43
46976	Burtech Pipeline, Inc.	Services - Contractors	Emergency repair services for RW North Bike Trail and Pipeline East front gate	55,282.66
46977	CA. Office Cleaning, Inc.	Services - Janitorial	Office and window cleaning	3,390.00
46978	California Water Technologies	Supplies - Chem - Ferric Chlo	Ferric chloride solution	11,739.06
46979	Carollo Engineers	Services - Engineering	RW valve replacement services through Jul	12,412.80
46980	City of Solana Beach	Board Expense	Board meeting reimbursements - FY 26	4,320.00
46981	Detection Instruments Corp.	Shop Tools and Equip.	Hydrogen sulfide data logger	2,651.71
46982	City of Encinitas	Board Expense	Board meeting reimbursements - FY 26	1,280.00
46983	Eurofins Calscience, LLC	Services - Laboratory	Testing water samples	5,988.50
46984	Excel Landscape, Inc.	Services - Contractors, Landscape	Install DG and header board, SW Capture & Reuse sign installation	4,442.89
46985	J.R. Filanc Construction Co.	Services - Contractors	Wanket Tank Refurbishment - Mar through Jun	169,709.82
46986	Filter King LLC	Repair Parts Expense	HVAC filters	909.59
46987	gafcon	Services - Contractors	Labor compliance for Wanket Tank - Jul	75.00
46988	Grainger, Inc.	Repair Parts Expense, Shop Tools and Equip., Supplies - Safety	Conduits and solenoid chain oil reservoir	595.95
46989	Harrington Industrial Plastics	Repair Parts Expense	RO system filter gaskets	945.46
46990	John Lisee Pumps, Inc.	Capital Outlay	RAS pump #3 parts and rebuild	27,266.27
46991	Cosby Oil Company, Inc	Fuel	Fuel- Aug	610.76
46992	Juan J Aguilar-Covarrubias	Other Personnel Cost	Employee reimbursement - Health and wellness	120.00
46993	Hardy Diagnostics	Supplies - Lab	Various lab supplies	2,428.37
46994	Idexx Distribution,Inc.	Supplies - Lab	Various lab supplies	9,411.72
46995	JCI Jones Chemicals, Inc	Supplies - Chem - Sodium Hypo	Procurement of Sodium Hypochlorite	19,655.40
46996	Kelsey Structural, APC	Services - Engineering	Design of Hypochlorite Tank Pad Repair	4,200.00
46997	Liquid Environmental Solution	Services - Grit & Screenings	Roll off box	2,570.00
46998	McMaster-Carr Supply Co.	Repair Parts Expense	Various supplies	219.54
46999	Joshua C McTaggart	Seminars/Education	Employee reimbursement - Tuition	653.00
47000	MetLife - Group Benefits	Prepaid - Other	Dental - Sep	3,496.18
47001	Motion Industries, Inc.	Repair Parts Expense	Flare solenoid replacement	464.92
47002	Napa Auto Parts	Vehicle Maintenance	Beam blades and various supplies	119.02
47003	Nautilus Environmental, Inc	Services - Laboratory	Laboratory toxicity testing services for Jun	1,290.00
47004	Nigro & Nigro PC	Services - Accounting	Audit services - FY 26	13,000.00
47005	Olivenhain Municipal Water Dis	Services - Landscape, Maintenance, Professional, Rent	Wiegand Zona Gale, Wanket reservoir, Woodward & Curran NSDWRC support & Pipeline rental	26,295.14
47006	Otis Elevator Company	Services - Maintenance	Elevator maintenance from Aug	243.78
47007	Void			-
47008	Sterling Infosystems, Inc	Preemployment Screening	Safety clearance report	183.98
47009	Unifirst First Aid Corp	Supplies - Safety	First aid supplies	460.81
47010	Liquid Environmental Solution	Services - Grease & Scum	Pumping service	810.00
47011	Parkson Corporation	Repair Parts Expense	Various supplies	4,225.31
47012	Polydyne Inc.	Supplies - Chem - Polymer	Clarifloc WE-2942	17,149.49
47013	RGC General Engineering, Inc	Services - Contractors	Asphalt removal and replacement project	17,204.00

SAN ELIJO JOINT POWERS AUTHORITY **PAYMENT OF WARRANTS** **For the Month of August 2026**

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
47014	RingCentral, Inc	Utilities - Telephone	Phone service - Aug	532.00
47015	Santa Fe Irrigation District	Utilities - Water	Potable Water	6,586.77
47016	Santa Fe Irrigation District	SFID Distribution Pipeline	Pipeline purchase payment	6,068.18
47017	Scheidel Professional Corp.	Services - Engineering	Lomas Santa Fe P.S. Prelim Eng. Report - Jul	1,225.00
47018	Southwest Valve & Equip.	Repair Parts Expense	Chain wheels for digester valves	2,768.75
47019	Specialty Seals & Accessories	Repair Parts Expense	21st P.S. mechanical seal	4,170.55
47020	Superior Electric Motor Srv.	Repair Parts Expense	Pump part, rebuild and installation for Eden Gardens Pump Station	51,799.33
47021	Terminix Processing Center	Services - Maintenance	Pest control service	711.93
47022	Thayer Water, Inc	Services - Engineering	As needed engineering services - Jun	7,695.00
47023	Trussell Technologies, Inc	Services - Engineering, Professional	T1 - Aeration basin mixing system, operational support - Jul	18,927.00
47024	Unifirst Corporation	Services - Uniforms	Uniform service	187.89
47025	USA Bluebook	Repair Parts Expense, Supplies - Lab	Various supplies	4,291.85
47026	Valley CM, Inc.	Services - Professional	Management and inspection services for Jul	14,790.00
47027	Verizon Wireless	Utilities - Telephone	Phone service - Jul	619.56
47028	Void			-
47029	Void			-
47030	Void			-
47031	Atlas Tech. Consultants LLC	Services - Engineering	Geotechnical consultation - SEWC Slope Erosion Study	9,910.00
47032	Carollo Engineers	Services - Engineering	RW valve replacement services through Jun	5,140.00
47033	Verizon Wireless	Utilities - Telephone	Cell phone service - Jul	754.71
47034	VWR International, Inc.	Supplies - Lab	Test standard	1,230.23
47035	Water Environment Federation	Dues & Memberships	Membership renewal - C. Trees	399.00
47036	Michael Thornton	Subsistence - Travel/Rm & Bd	Employee reimbursement - Various expenses	3,230.55
On-line 1289	Mission Square	ICMA Retirement	ICMA - 401 a	9,484.78
On-line 1290	Mission Square	EE Deduction Benefits Payable	ICMA - 457	11,844.47
On-line 1291	P.E.R.S.	Medical Insurance - Pers	Health - Aug	50,399.60
On-line 1292	Public Employees- Retirement	Retirement Plan - PERS	Retirement - Aug Pay Period	26,208.59
On-line 1293	Public Employees- Retirement	Retirement Plan - PERS	Retirement - Jul Pay Period	25,925.79
On-line 1294	Blue Triton Brands Inc	Supplies - Lab	Kitchen and lab supplies	545.97
On-line 1295	UPS	Postage/Shipping	Shipping	133.22
On-line 1296	BankCard Center	Vehicle Maintenance, Postage/Shipping	Various supplies	20,897.53
On-line 1297	Mission Square	ICMA Retirement	ICMA - 401 a	9,496.11
On-line 1298	Mission Square	EE Deduction Benefits Payable	ICMA - 457	11,849.05
On-line 1299	Public Employees- Retirement	Retirement Plan - PERS	Retirement - Aug Pay Period	26,220.10
On-line 1300	Sun Life Financial	Prepaid - Other	Life and disability - Sep	3,504.59
On-line 1301	WM Corporate Services, Inc.	Services - Grit & Screenings	10 yd roll off disposal - Jul	4,005.69
On-line 1302	San Diego Gas & Electric	Utilities - Gas & Electric	Gas and electric - 07/10/26 - 08/07/26	109,812.28
Payroll ACH	San Elijo Payroll Account	Payroll	Payroll - Pay Date 08/07/2026	129,551.47
Payroll ACH	San Elijo Payroll Account	Payroll	Payroll - Pay Date 08/21/2026	131,827.76
				<u>\$ 1,374,460.50</u>

**SAN ELIJO JOINT POWERS AUTHORITY
PAYMENT OF WARRANTS SUMMARY**

**For the Month of AUGUST 2026
As of AUGUST 31, 2026**

PAYMENT OF WARRANTS

\$ 1,374,460.50

I hereby certify that the demands listed and covered by warrants are correct and just to the best of my knowledge, and that the money is available in the proper funds to pay these demands. The cash flows of SEJPA, including the Member Agency commitment in their operating budgets to support the operations of SEJPA, are expected to be adequate to meet SEJPA's obligations over the next six months. I also certify that SEJPA's investment portfolio complies with the SEJPA's investment policy.



Kevin Lang
Director of Finance and Administration

SAN ELIJO JOINT POWERS AUTHORITY
STATEMENT OF FUNDS AVAILABLE FOR PAYMENT OF WARRANTS
AND INVESTMENT INFORMATION

As of AUGUST 31, 2026

FUNDS ON DEPOSIT WITH	AMOUNT
LOCAL AGENCY INVESTMENT FUND <i>(JULY 2026 YIELD 3.840%)</i>	\$ 12,795,935.06
CALIFORNIA BANK AND TRUST <i>(AUGUST 2026 YIELD 0.01%)</i>	663,269.90
U.S. Bank <i>(AUGUST 2026 YIELD 2.55%)</i>	8,469,753.28
PARS <i>(JULY 2026 YIELD -0.57%)</i>	1,331,015.80
TOTAL RESOURCES	<u>\$ 23,259,974.04</u>

*

AGENDA ITEM NO. 7C.1

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Director of Operations

SUBJECT: WASTEWATER TREATMENT REPORT – JUNE 2026

RECOMMENDATION

No action required. This memorandum is submitted for information only.

DISCUSSION

Monthly Treatment Facility Performance and Evaluation

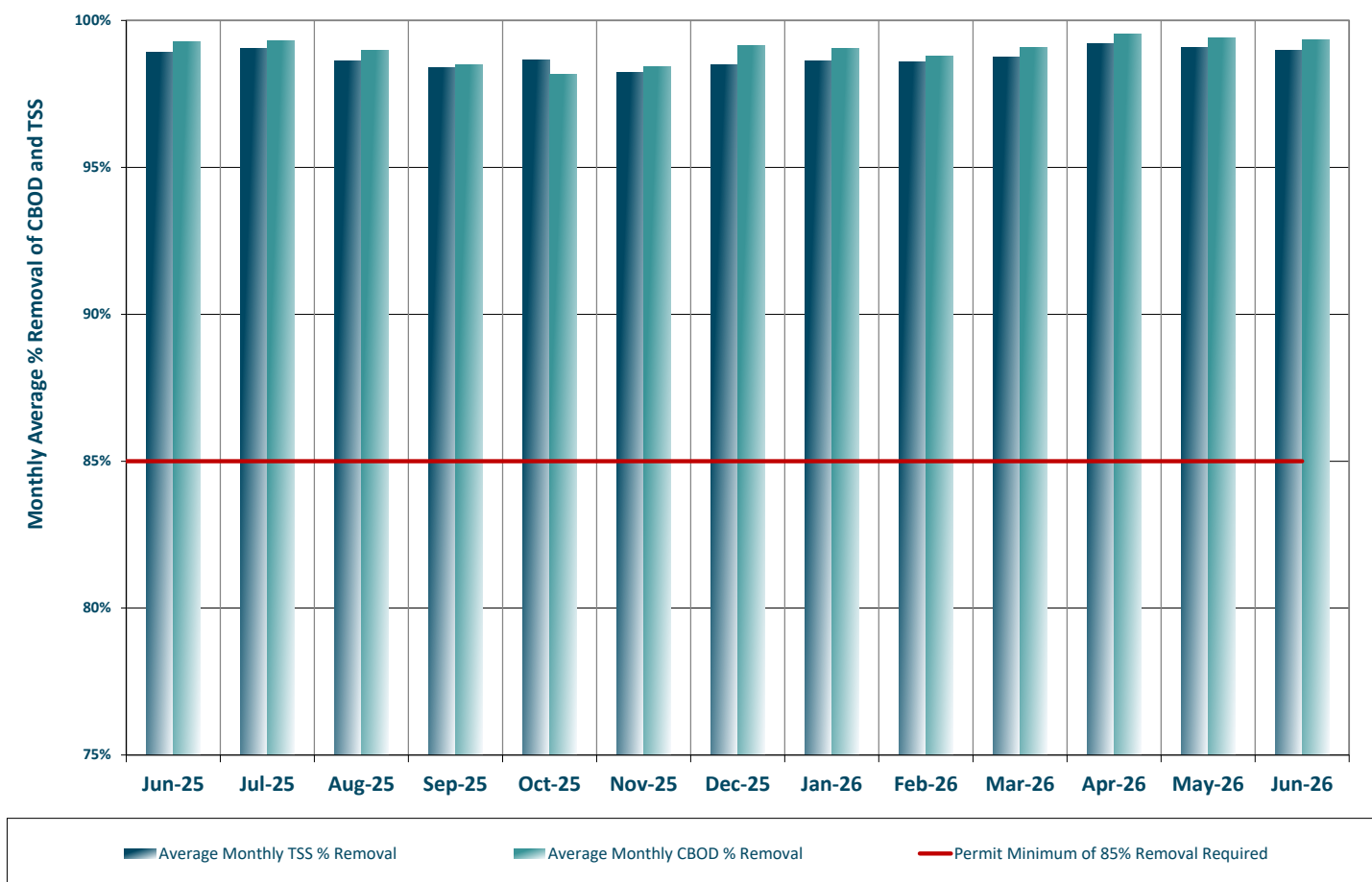
Wastewater treatment for the San Elijo Joint Powers Authority (SEJPA) met all National Pollutant Discharge Elimination System (NPDES) ocean effluent limitation requirements for the month of June 2026. The primary indicators of treatment performance include the removal of Total Suspended Solids (TSS) and Carbonaceous Biochemical Oxygen Demand (CBOD). SEJPA is required to remove a minimum of 85 percent of the TSS and CBOD from the wastewater. Treatment levels for **TSS** and **CBOD** were **99.0** and **99.3** percent removal, respectively, during the month of June.

Exceptional Water Treatment



Figure 1 (below) shows historic treatment performance trends for the removal of TSS and CBOD over the last 13 months compared to the permit minimum removal requirement of 85%.

Figure 1: Wastewater Treatment Performance of the SEJPA % Removal of Total Suspended Solids (TSS) and Carbonaceous Biochemical Oxygen Demand (CBOD)



Figures 2 and 3 (below) show historic influent vs effluent TSS and CBOD concentration fluctuations in the strength of the wastewater being received and discharged by the SEJPA.

FIGURE 2: TREATED EFFLUENT FLOWS REMOVAL OF TSS

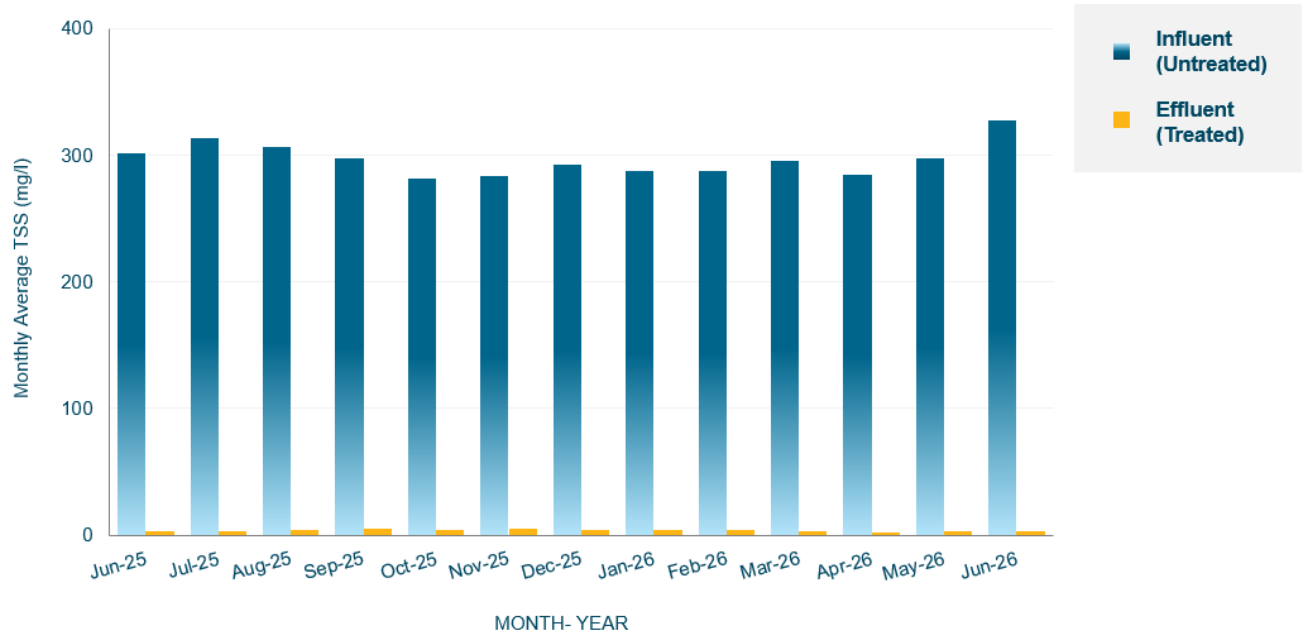
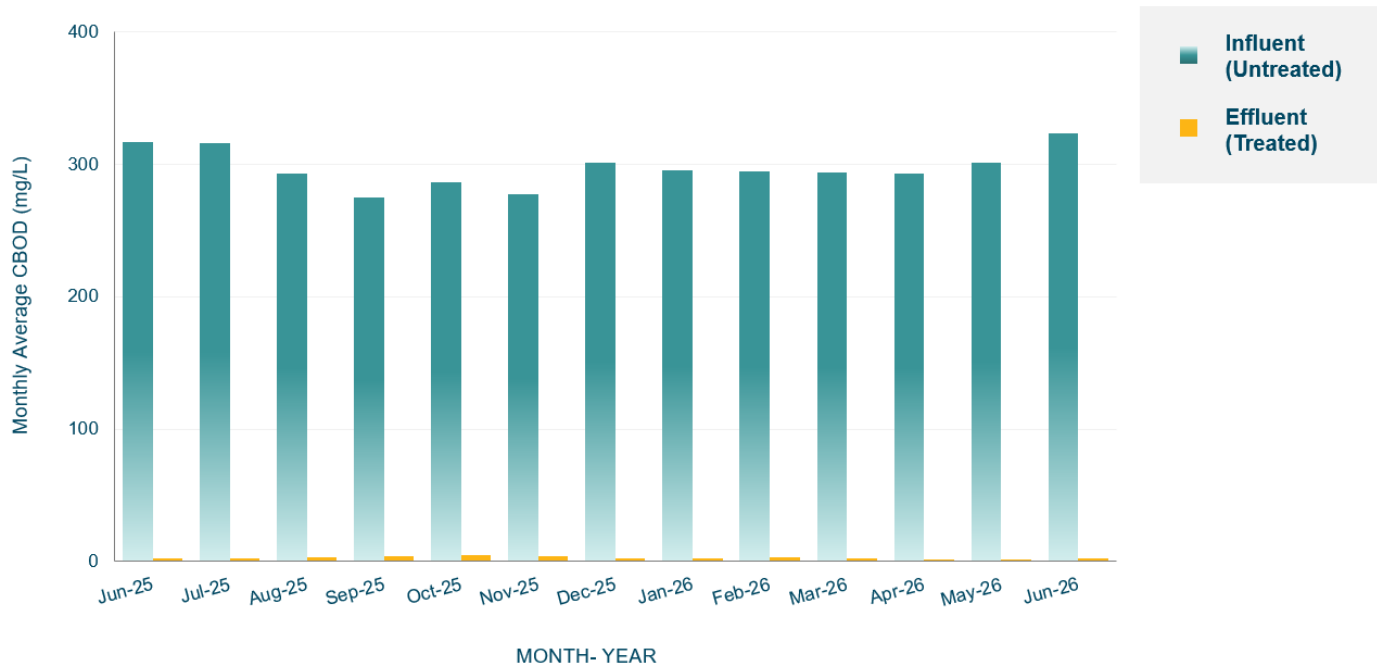


FIGURE 3: TREATED EFFLUENT FLOWS REMOVAL OF CBOD



Member Agency Flows

Table 1 provides a summary of influent and effluent flows for June. Average daily influent volumes were measured for each contributing agency. During this reporting period, approximately 71% of the influent was treated and beneficially reused as recycled water, while the balance was conveyed to the ocean outfall.

TABLE 1 – INFLUENT AND EFFLUENT FLOWS IN JUNE

	Influent (mad)	Recycled Water (mad)	Effluent (mad)*
Cardiff Sanitaru Division	1.309	0.927	0.382
City of Solana Beach	1.004	0.711	0.293
Rancho Santa Fe SID	0.177	0.126	0.051
City of Del Mar	0.464	0.329	0.135
Total San Elijo Water Campus Flow	2.954	2.093	0.861

* Effluent is calculated by subtracting the recycled water production from the influent wastewater.

Table 2 (below) presents the historical average and unit influent flow rates per month for each of the contributing agencies during the past 3 years. It also presents the number of connected Equivalent Dwelling Units (EDUs) for each agency during this same time.

TABLE 2 - SAN ELIJO WATER CAMPUS MONTHLY REPORT - FLOWS AND EDUS

MONTH	AVERAGE DAILY INFLUENT FLOW RATE (MGD)					CONNECTED EDUs					AVERAGE UNIT INFLUENT FLOW RATE (GAL/EDU/DAY)				
	CSD	RSF	SB	DM	TOTAL DESIGN	CSD	RSF	SB	DM	TOTAL EDUS	CSD	RSF	SB	DM	TOTAL PLANT
Jun-23	1.185	0.144	0.891	0.413	2.633	8,557	586	8,142	2,616	19,901	136	282	109	171	132
Jul-23	1.160	0.146	0.949	0.446	2.701	8,557	586	8,166	2,616	19,925	136	249	116	182	136
Aug-23	1.242	0.177	0.954	0.494	2.867	8,559	586	8,166	2,622	19,933	145	302	117	200	144
Sep-23	1.161	0.161	0.885	0.371	2.578	8,559	586	8,166	2,622	19,933	136	275	108	152	129
Oct-23	1.125	0.163	0.870	0.308	2.466	8,559	587	8,166	2,622	19,934	131	278	107	125	124
Nov-23	1.246	0.186	0.961	0.409	2.802	8,559	588	8,166	2,622	19,935	146	317	118	149	141
Dec-23	1.313	0.173	1.011	0.377	2.874	8,559	588	8,166	2,622	19,935	153	294	124	133	144
Jan-24	1.416	0.190	1.055	0.380	3.041	8,569	588	8,166	2,622	19,945	165	323	129	134	152
Feb-24	1.788	0.256	1.099	0.422	3.565	8,569	588	8,166	2,622	19,945	209	436	135	151	179
Mar-24	1.395	0.200	1.061	0.352	3.008	8,616	588	8,166	2,639	20,009	162	340	130	125	150
Apr-24	1.313	0.216	1.036	0.368	2.933	8,620	588	8,166	2,639	20,013	152	368	127	130	147
May-24	1.294	0.196	1.017	0.349	2.856	8,620	588	8,166	2,639	20,013	150	334	125	125	143
Jun-24	1.275	0.191	1.058	0.508	3.032	8,620	588	8,166	2,639	20,013	148	325	130	184	152
Jul-24	1.310	0.185	1.076	0.494	3.065	8,620	588	8,166	2,639	20,013	152	315	132	182	153
Aug-24	1.279	0.166	1.090	0.512	3.047	8,621	588	8,178	2,639	20,025	148	283	133	188	152
Sep-24	1.278	0.165	1.034	0.399	2.876	8,621	588	8,178	2,657	20,043	148	281	126	147	143
Oct-24	1.296	0.160	1.019	0.340	2.815	8,621	591	8,178	2,657	20,046	150	271	125	122	140
Nov-24	1.250	0.184	0.967	0.482	2.883	8,621	591	8,178	2,657	20,046	145	312	118	165	144
Dec-24	1.231	0.182	1.079	0.408	2.900	8,621	593	8,178	2,657	20,048	143	307	132	134	145
Jan-25	1.398	0.187	1.105	0.381	3.071	8,621	593	8,178	2,657	20,048	162	316	135	124	153
Feb-25	1.471	0.186	1.120	0.408	3.185	8,621	593	8,178	2,657	20,048	171	314	137	134	159
Mar-25	1.524	0.214	1.133	0.390	3.261	8,621	593	8,178	2,657	20,048	177	361	139	129	163
Apr-25	1.355	0.210	1.084	0.367	3.016	8,621	593	8,178	2,657	20,048	157	354	133	122	150
May-25	1.349	0.202	1.071	0.371	2.993	8,621	593	8,178	2,657	20,048	156	341	131	123	149
Jun-25	1.310	0.190	1.071	0.524	3.095	8,621	593	8,178	2,657	20,048	152	321	131	175	154
Jul-25	1.326	0.204	1.109	0.502	3.141	8,621	593	8,126	2,657	19,996	154	344	136	168	157
Aug-25	1.351	0.213	1.090	0.556	3.210	8,621	594	8,126	2,680	20,020	157	359	134	187	160
Sep-25	1.354	0.187	1.050	0.426	3.017	8,623	596	8,126	2,680	20,025	157	314	129	142	151
Oct-25	1.292	0.176	1.039	0.378	2.885	8,627	596	8,126	2,680	20,029	150	296	128	126	144
Nov-25	1.407	0.188	1.050	0.424	3.069	8,629	596	8,126	2,680	20,031	163	316	129	144	151
Dec-25	1.362	0.171	1.011	0.379	2.923	8,629	595	8,126	2,680	20,030	158	288	124	128	146
Jan-26	1.473	0.190	1.051	0.383	3.097	8,631	595	8,126	2,680	20,032	171	320	129	129	155
Feb-26	1.464	0.182	1.052	0.417	3.115	8,631	595	8,126	2,680	20,032	170	306	129	140	156
Mar-26	1.357	0.181	1.046	0.401	2.985	8,631	595	8,126	2,680	20,032	157	304	129	135	149
Apr-26	1.309	0.166	1.012	0.350	2.837	8,631	596	8,126	2,680	20,033	152	279	125	118	142
May-26	1.332	0.181	1.003	0.344	2.860	8,638	597	8,126	2,680	20,041	154	303	123	118	143
Jun-26	1.309	0.177	1.004	0.464	2.954	8,638	597	8,126	2,680	20,041	152	296	124	161	147

CSD: Cardiff Sanitary Division

RSF: Ranch Santa Fe Community Service District

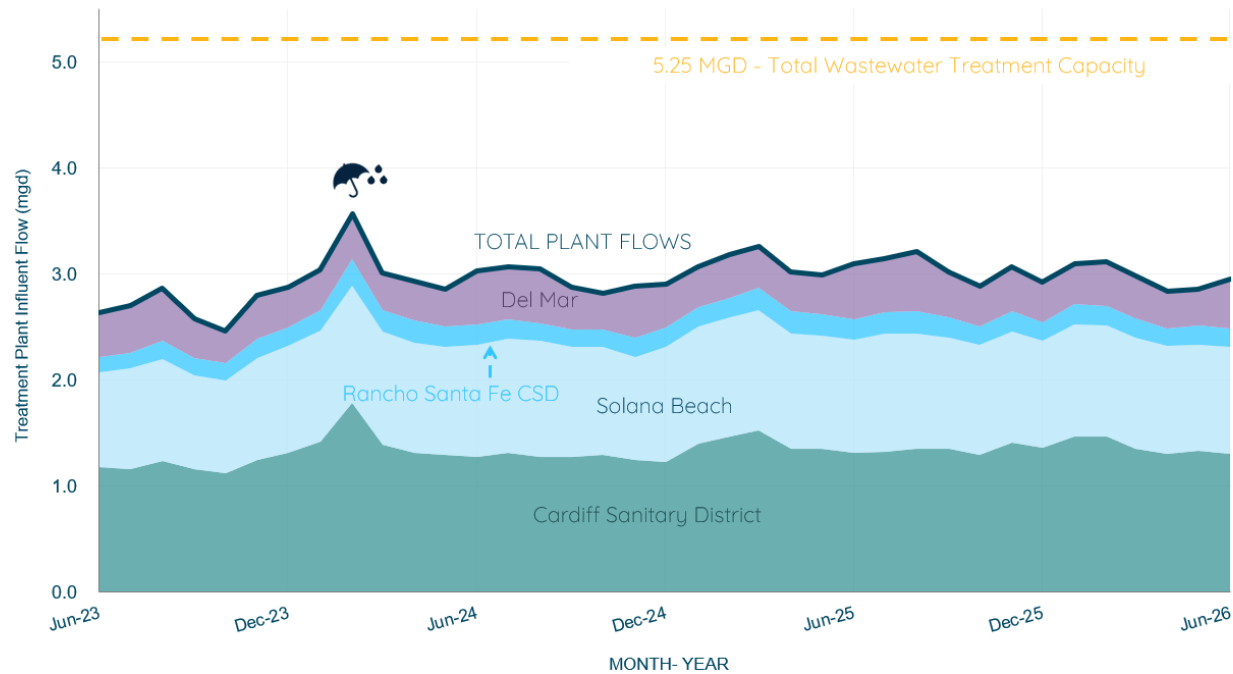
SB: Solana Beach

DM: City of Del Mar

EDU: Equivalent Dwelling Unit

Figure 4 (below) presents the 3-year historical average daily flows per month for each contributing agency. This is to provide a historical overview of the average flow treated for each agency. Also shown in Figure 4 is the total wastewater treatment capacity of the water campus, 5.25 mgd, of which the Cities of Encinitas and Solana Beach each have the right to 2.2 mgd, Rancho Santa Fe Community Service District leases 0.25 mgd, and the City of Del Mar leases 0.60 mgd.

FIGURE 4: SEJPA AVERAGE DAILY FLOWS OVER THE PAST 3 YEARS



City of Escondido Flows

The average and peak daily flow rate for the month of June 2026 from the City of Escondido's Hale Avenue Resource Recovery Facility, which discharges through the San Elijo Ocean Outfall, is reported below in Table 3.

TABLE 3 – CITY OF ESCONDIDO DAILY FLOWS

	Flow (mgd)
Escondido (Average flow rate)	7.9
Escondido (Peak flow rate)	17.7

Connected Equivalent Dwelling Units

The City of Solana Beach and the City of Del Mar updated the number of connected EDUs reported to the SEJPA in September 2025, memorializing updates effective July 1, 2025. The connected EDUs for Solana Beach were reduced due to the reconstruction of Solana Highlands apartments. The City of Encinitas and Rancho Santa Fe CSD update their connected EDUs report every month. The number of EDUs connected for each of the Member Agencies and lease agencies is reported in Table 4 below.

TABLE 4 – CONNECTED EDUs BY AGENCY

	Connected (EDU)
Cardiff Sanitary Division	8,638
Rancho Santa Fe SID	597
City of Solana Beach	7,789
San Diego (to Solana Beach)	337
City of Del Mar	2,680
Total EDUs to System	20,041

Respectfully submitted,



Christopher A. Trees, P.E.
Director of Operations

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Director of Operations

SUBJECT: WASTEWATER TREATMENT REPORT – JULY 2026

RECOMMENDATION

No action required. This memorandum is submitted for information only.

DISCUSSION

Monthly Treatment Facility Performance and Evaluation

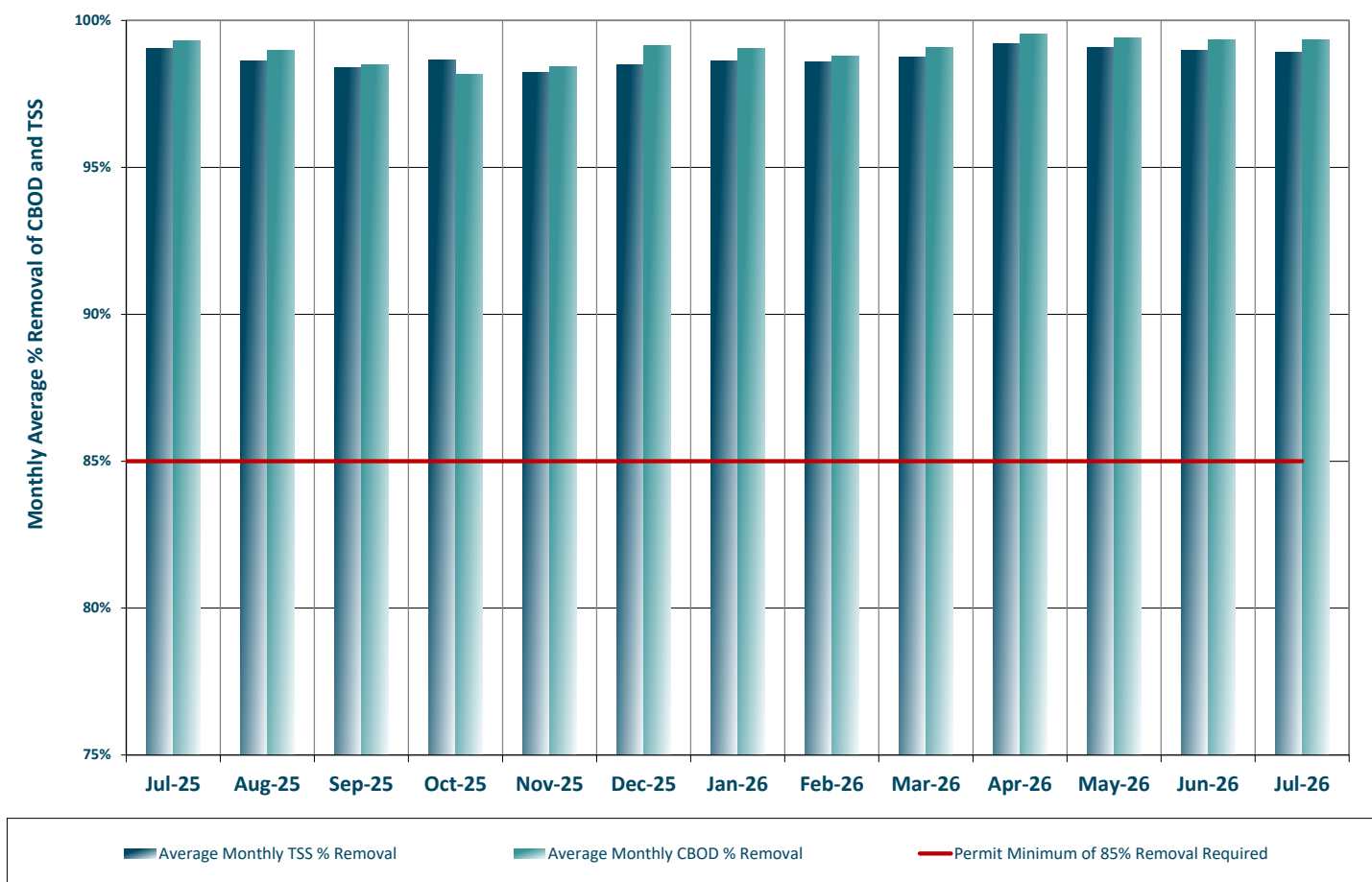
Wastewater treatment for the San Elijo Joint Powers Authority (SEJPA) met all National Pollutant Discharge Elimination System (NPDES) ocean effluent limitation requirements for the month of July 2026. The primary indicators of treatment performance include the removal of Total Suspended Solids (TSS) and Carbonaceous Biochemical Oxygen Demand (CBOD). SEJPA is required to remove a minimum of 85 percent of the TSS and CBOD from the wastewater. Treatment levels for **TSS** and **CBOD** were **98.9** and **99.3** percent removal, respectively, during the month of July.

Exceptional Water Treatment



Figure 1 (below) shows historic treatment performance trends for the removal of TSS and CBOD over the last 13 months compared to the permit minimum removal requirement of 85%.

Figure 1: Wastewater Treatment Performance of the SEJPA % Removal of Total Suspended Solids (TSS) and Carbonaceous Biochemical Oxygen Demand (CBOD)



Figures 2 and 3 (below) show historic influent vs effluent TSS and CBOD concentration fluctuations in the strength of the wastewater being received and discharged by the SEJPA.

FIGURE 2: TREATED EFFLUENT FLOWS REMOVAL OF TSS

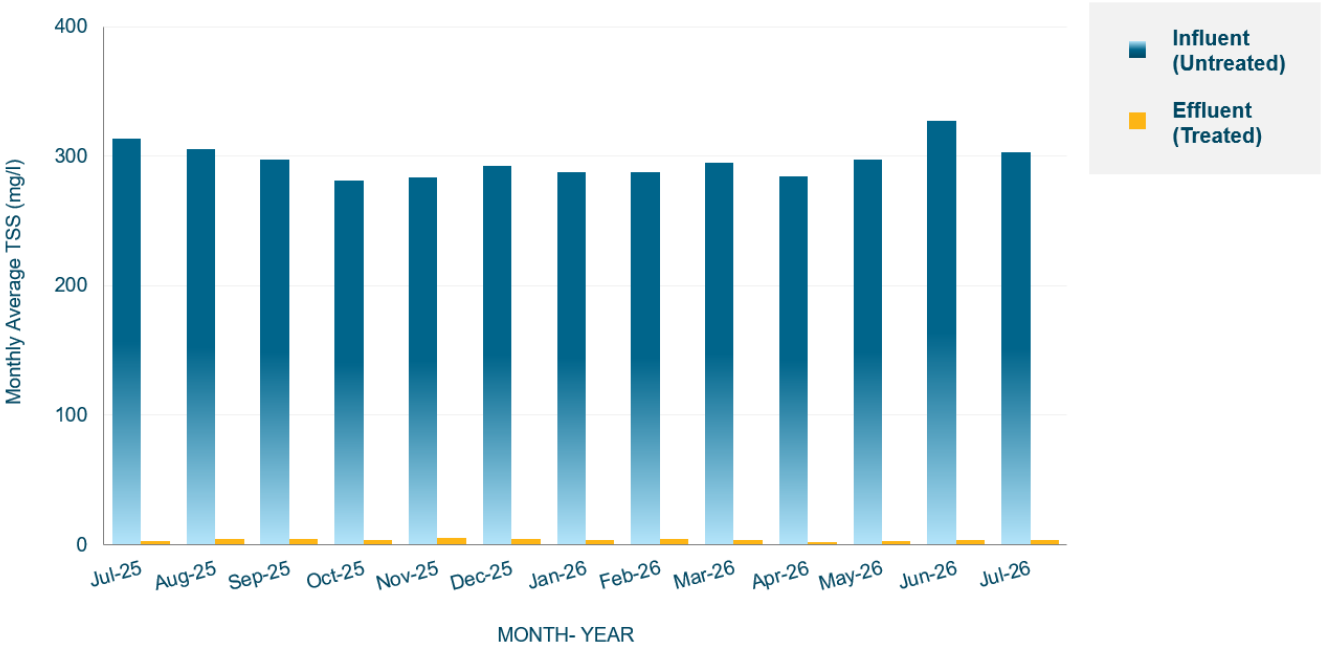
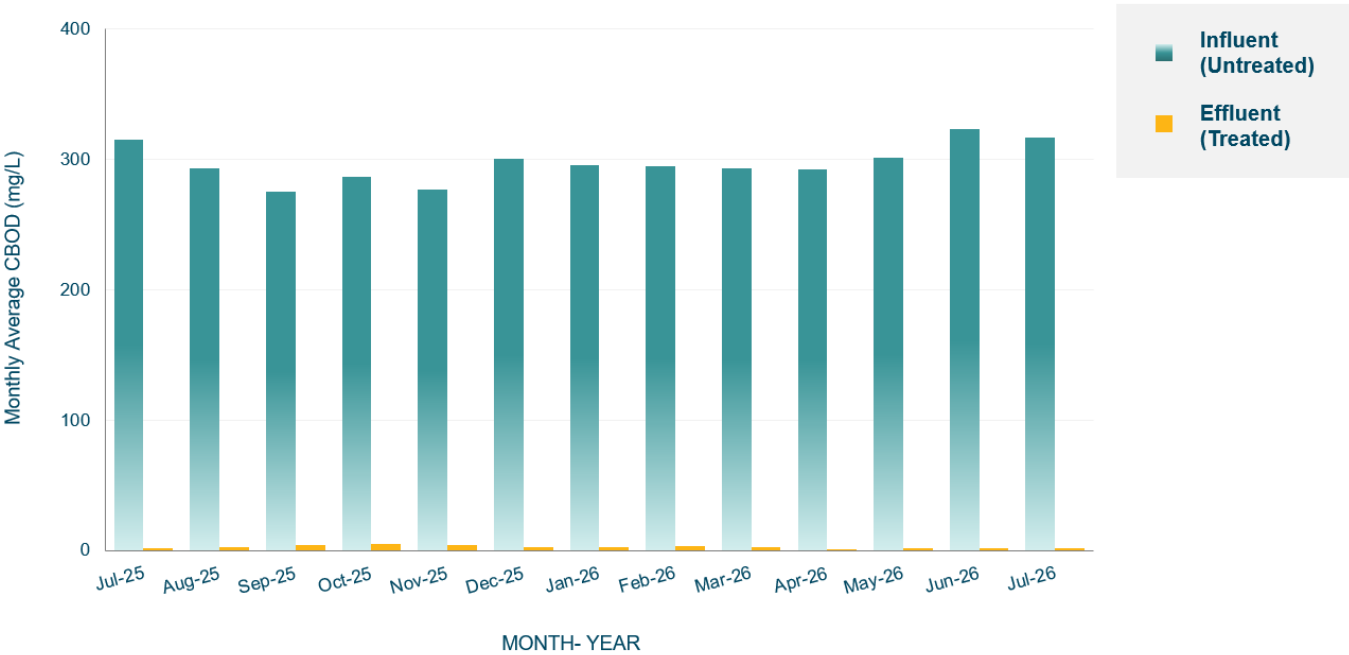


FIGURE 3: TREATED EFFLUENT FLOWS REMOVAL OF CBOD



Member Agency Flows

Table 1 provides a summary of influent and effluent flows for July. Average daily influent volumes were measured for each contributing agency. During this reporting period, approximately 75% of the influent was treated and beneficially reused as recycled water, while the balance was conveyed to the ocean outfall.

TABLE 1 – INFLUENT AND EFFLUENT FLOWS IN JULY

	Influent (mad)	Recycled Water (mad)	Effluent (mad)*
Cardiff Sanitaru Division	1.337	1.005	0.332
City of Solana Beach	1.053	0.791	0.262
Rancho Santa Fe SID	0.183	0.137	0.046
City of Del Mar	0.505	0.380	0.125
Total San Elijo Water Campus Flow	3.078	2.313	0.765

* Effluent is calculated by subtracting the recycled water production from the influent wastewater.

Table 2 (below) presents the historical average and unit influent flow rates per month for each of the contributing agencies during the past 3 years. It also presents the number of connected Equivalent Dwelling Units (EDUs) for each agency during this same time.

TABLE 2 - SAN ELIJO WATER CAMPUS MONTHLY REPORT - FLOWS AND EDUS

MONTH	AVERAGE DAILY INFLUENT FLOW RATE (MGD)					CONNECTED EDUs					AVERAGE UNIT INFLUENT FLOW RATE (GAL/EDU/DAY)				
	CSD	RSF	SB	DM	TOTAL DESIGN	CSD	RSF	SB	DM	TOTAL EDUS	CSD	RSF	SB	DM	TOTAL PLANT
Jul-23	1.160	0.146	0.949	0.446	2.701	8,557	586	8,166	2,616	19,925	136	249	116	182	136
Aug-23	1.242	0.177	0.954	0.494	2.867	8,559	586	8,166	2,622	19,933	145	302	117	200	144
Sep-23	1.161	0.161	0.885	0.371	2.578	8,559	586	8,166	2,622	19,933	136	275	108	152	129
Oct-23	1.125	0.163	0.870	0.308	2.466	8,559	587	8,166	2,622	19,934	131	278	107	125	124
Nov-23	1.246	0.186	0.961	0.409	2.802	8,559	588	8,166	2,622	19,935	146	317	118	149	141
Dec-23	1.313	0.173	1.011	0.377	2.874	8,559	588	8,166	2,622	19,935	153	294	124	133	144
Jan-24	1.416	0.190	1.055	0.380	3.041	8,569	588	8,166	2,622	19,945	165	323	129	134	152
Feb-24	1.788	0.256	1.099	0.422	3.565	8,569	588	8,166	2,622	19,945	209	436	135	151	179
Mar-24	1.395	0.200	1.061	0.352	3.008	8,616	588	8,166	2,639	20,009	162	340	130	125	150
Apr-24	1.313	0.216	1.036	0.368	2.933	8,620	588	8,166	2,639	20,013	152	368	127	130	147
May-24	1.294	0.196	1.017	0.349	2.856	8,620	588	8,166	2,639	20,013	150	334	125	125	143
Jun-24	1.275	0.191	1.058	0.508	3.032	8,620	588	8,166	2,639	20,013	148	325	130	184	152
Jul-24	1.310	0.185	1.076	0.494	3.065	8,620	588	8,166	2,639	20,013	152	315	132	182	153
Aug-24	1.279	0.166	1.090	0.512	3.047	8,621	588	8,178	2,639	20,025	148	283	133	188	152
Sep-24	1.278	0.165	1.034	0.399	2.876	8,621	588	8,178	2,657	20,043	148	281	126	147	143
Oct-24	1.296	0.160	1.019	0.340	2.815	8,621	591	8,178	2,657	20,046	150	271	125	122	140
Nov-24	1.250	0.184	0.967	0.482	2.883	8,621	591	8,178	2,657	20,046	145	312	118	165	144
Dec-24	1.231	0.182	1.079	0.408	2.900	8,621	593	8,178	2,657	20,048	143	307	132	134	145
Jan-25	1.398	0.187	1.105	0.381	3.071	8,621	593	8,178	2,657	20,048	162	316	135	124	153
Feb-25	1.471	0.186	1.120	0.408	3.185	8,621	593	8,178	2,657	20,048	171	314	137	134	159
Mar-25	1.524	0.214	1.133	0.390	3.261	8,621	593	8,178	2,657	20,048	177	361	139	129	163
Apr-25	1.355	0.210	1.084	0.367	3.016	8,621	593	8,178	2,657	20,048	157	354	133	122	150
May-25	1.349	0.202	1.071	0.371	2.993	8,621	593	8,178	2,657	20,048	156	341	131	123	149
Jun-25	1.310	0.190	1.071	0.524	3.095	8,621	593	8,178	2,657	20,048	152	321	131	175	154
Jul-25	1.326	0.204	1.109	0.502	3.141	8,621	593	8,126	2,657	19,996	154	344	136	168	157
Aug-25	1.351	0.213	1.090	0.556	3.210	8,621	594	8,126	2,680	20,020	157	359	134	187	160
Sep-25	1.354	0.187	1.050	0.426	3.017	8,623	596	8,126	2,680	20,025	157	314	129	142	151
Oct-25	1.292	0.176	1.039	0.378	2.885	8,627	596	8,126	2,680	20,029	150	296	128	126	144
Nov-25	1.407	0.188	1.050	0.424	3.069	8,629	596	8,126	2,680	20,031	163	316	129	144	151
Dec-25	1.362	0.171	1.011	0.379	2.923	8,629	595	8,126	2,680	20,030	158	288	124	128	146
Jan-26	1.473	0.190	1.051	0.383	3.097	8,631	595	8,126	2,680	20,032	171	320	129	129	155
Feb-26	1.464	0.182	1.052	0.417	3.115	8,631	595	8,126	2,680	20,032	170	306	129	140	156
Mar-26	1.357	0.181	1.046	0.401	2.985	8,631	595	8,126	2,680	20,032	157	304	129	135	149
Apr-26	1.309	0.166	1.012	0.350	2.837	8,631	596	8,126	2,680	20,033	152	279	125	118	142
May-26	1.332	0.181	1.003	0.344	2.860	8,638	597	8,126	2,680	20,041	154	303	123	118	143
Jun-26	1.309	0.177	1.004	0.464	2.954	8,638	597	8,126	2,680	20,041	152	296	124	161	147
Jul-26	1.337	0.183	1.053	0.505	3.078	8,638	598	8,126	2,680	20,041	155	306	130	177	154

CSD: Cardiff Sanitary Division

RSF: Ranch Santa Fe Community Service District

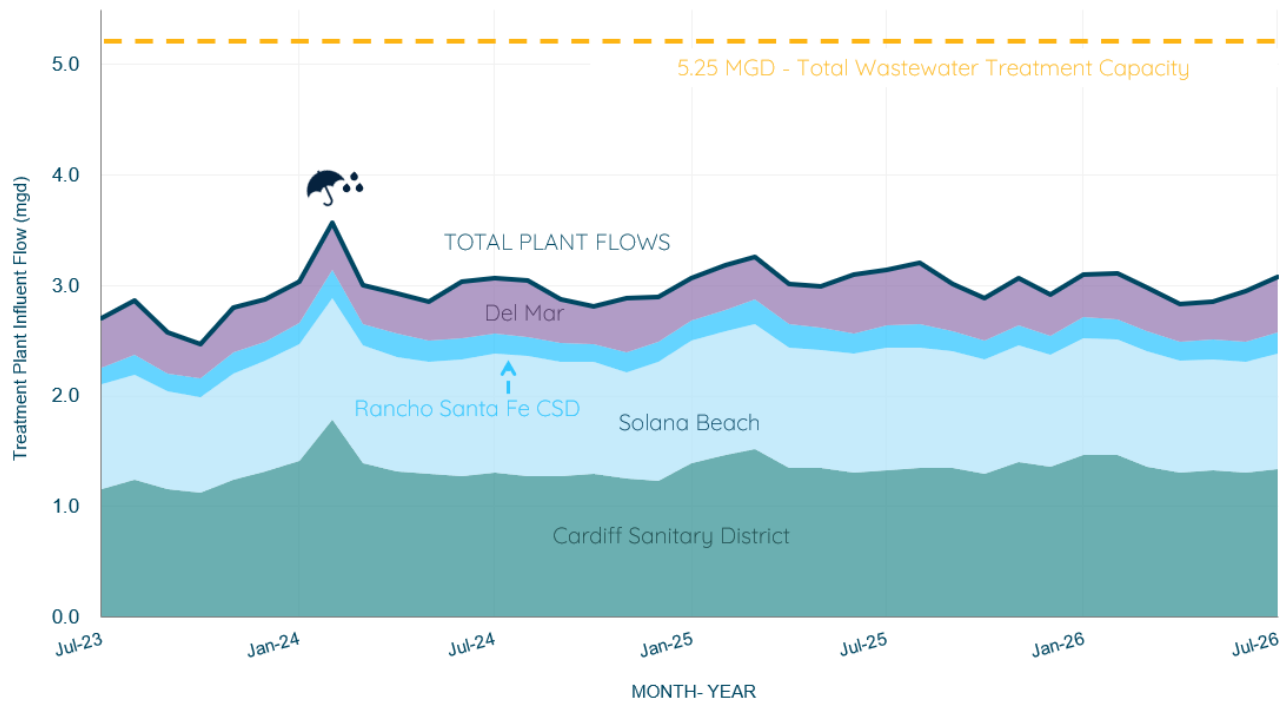
SB: Solana Beach

DM: City of Del Mar

EDU: Equivalent Dwelling Unit

Figure 4 (below) presents the 3-year historical average daily flows per month for each contributing agency. This is to provide a historical overview of the average flow treated for each agency. Also shown in Figure 4 is the total wastewater treatment capacity of the water campus, 5.25 mgd, of which the Cities of Encinitas and Solana Beach each have the right to 2.2 mgd, Rancho Santa Fe Community Service District leases 0.25 mgd, and the City of Del Mar leases 0.60 mgd.

FIGURE 4: SEJPA AVERAGE DAILY FLOWS OVER THE PAST 3 YEARS



City of Escondido Flows

The average and peak daily flow rate for the month of July 2026 from the City of Escondido's Hale Avenue Resource Recovery Facility, which discharges through the San Elijo Ocean Outfall, is reported below in Table 3.

TABLE 3 – CITY OF ESCONDIDO DAILY FLOWS

	Flow (mgd)
Escondido (Average flow rate)	7.7
Escondido (Peak flow rate)	17.6

Connected Equivalent Dwelling Units

The City of Solana Beach and the City of Del Mar updated the number of connected EDUs reported to the SEJPA in September 2025, memorializing updates effective July 1, 2025. The connected EDUs for Solana Beach were reduced due to the reconstruction of Solana Highlands apartments. The City of Encinitas and Rancho Santa Fe CSD update their connected EDUs report every month. The number of EDUs connected for each of the Member Agencies and lease agencies is reported in Table 4 below.

TABLE 4 – CONNECTED EDUs BY AGENCY

	Connected (EDU)
Cardiff Sanitary Division	8,638
Rancho Santa Fe SID	598
City of Solana Beach	7,789
San Diego (to Solana Beach)	337
City of Del Mar	2,680
Total EDUs to System	20,041

Respectfully submitted,



Christopher A. Trees, P.E.
Director of Operations

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Director of Operations

SUBJECT: RECYCLED WATER REPORT – JUNE 2026

RECOMMENDATION

No action required. This memorandum is submitted for information only.

DISCUSSION

Recycled Water Production

In June 2026, recycled water production totaled 209.6 acre-feet (AF) in a 28-day period, which included 0.4 AF required supplemental potable water. Production for the month was 9.2% higher than the budget estimate of 192 AF and fiscal year recycled water production ended the year at 1,791 AF, approximately 11.0% above budget projections.

The recycled water treatment system operated with no permit violations during the month.

Figure 1 (attached) provides a ten-year history of annual recycled water production and rainfall, illustrating the correlation between precipitation and production. Figure 2 compares June production over the past ten years, and Figure 3 shows budgeted versus actual recycled water production for FY 2025-26.

Respectfully submitted,



Christopher A. Trees, P.E.
Director of Operations

FIGURE 1: RECYCLED WATER PRODUCTION AND RAINFALL COMPARISON



FIGURE 2: JUNE RECYCLED WATER PRODUCTION

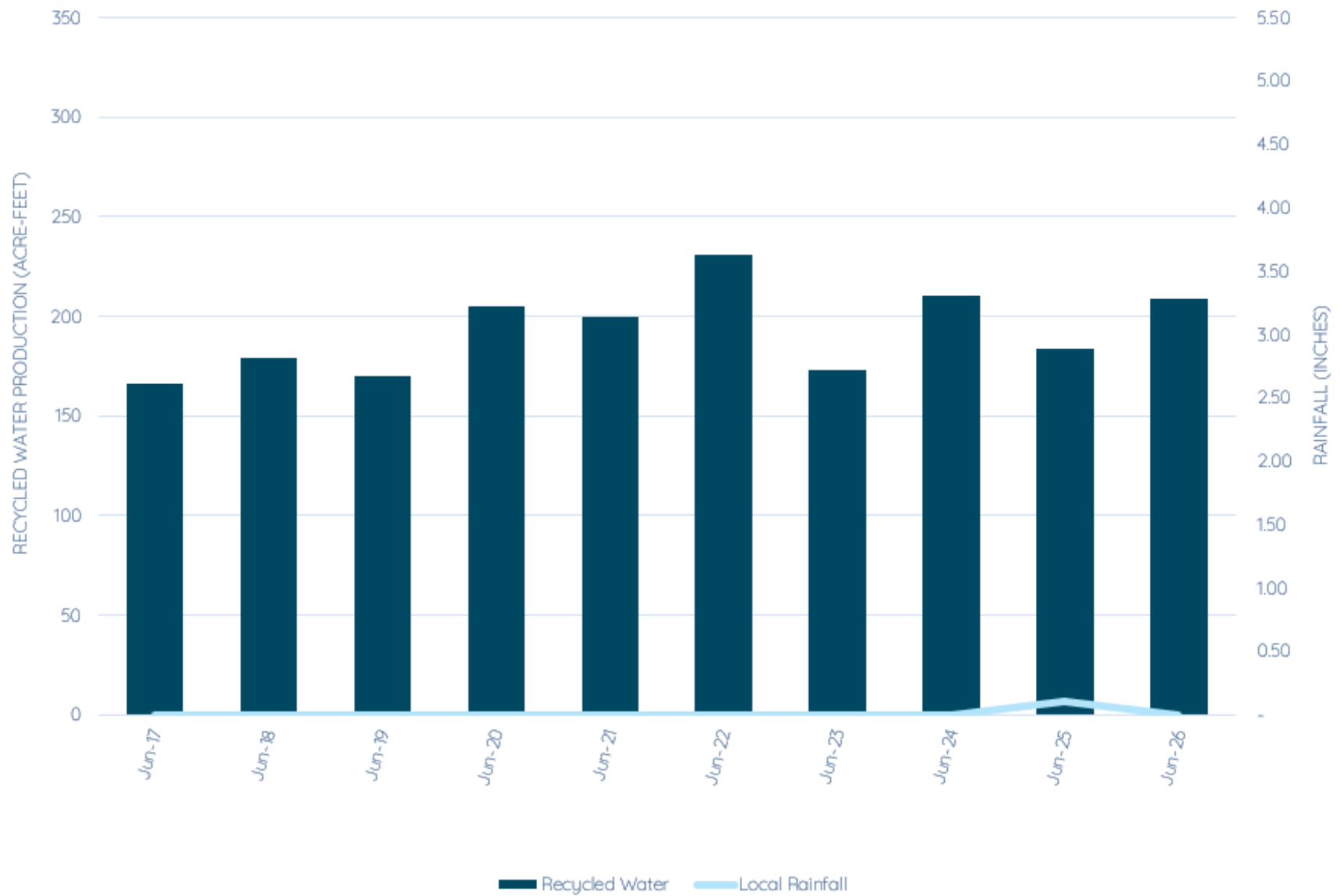
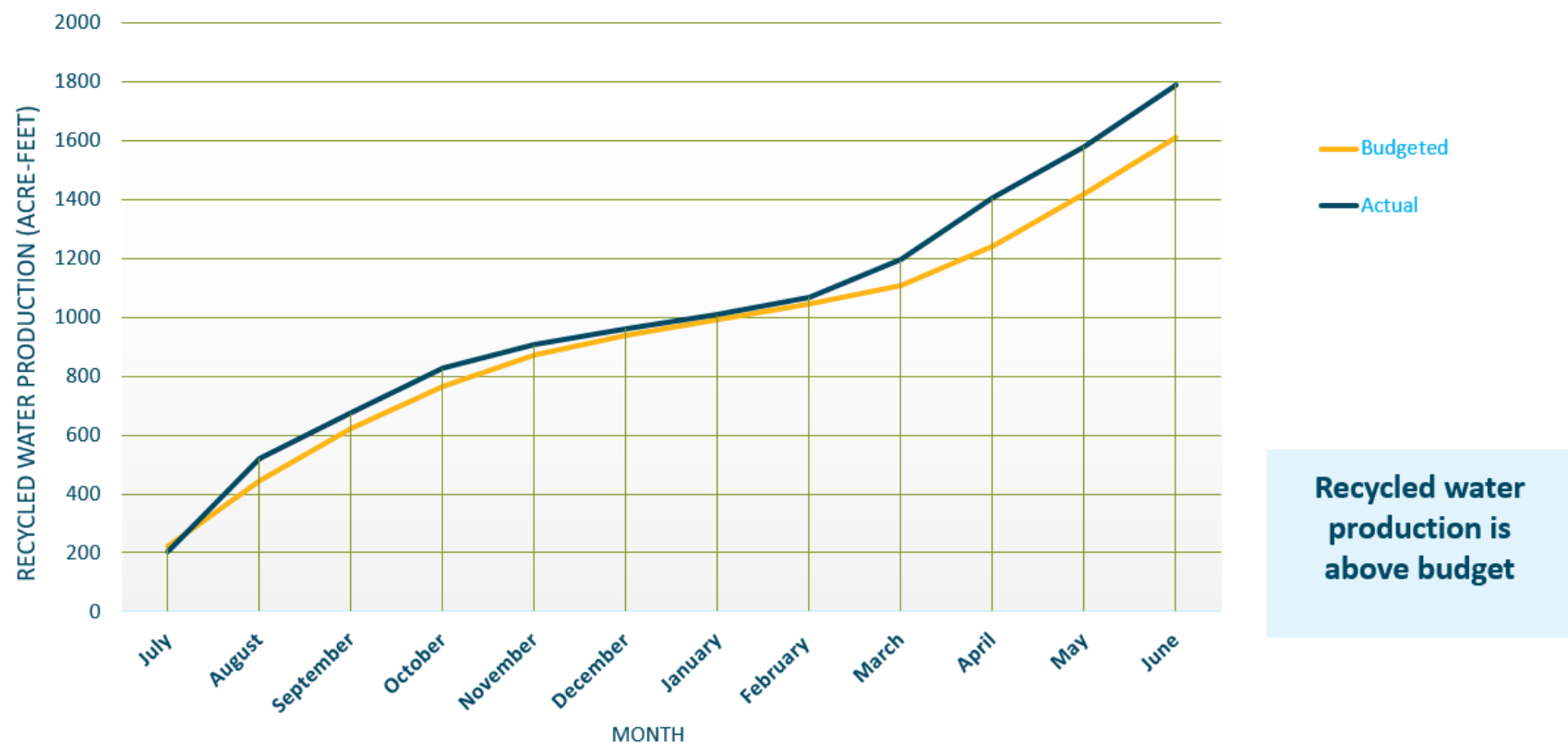


FIGURE 3: FY2025/26 CUMULATIVE PRODUCTION VS BUDGET



SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Director of Operations

SUBJECT: RECYCLED WATER REPORT – JULY 2026

RECOMMENDATION

No action required. This memorandum is submitted for information only.

DISCUSSION

Recycled Water Production

In July 2026, recycled water production totaled 278.2 acre-feet (AF) in a 35-day period, which included 9.5 AF required supplemental potable water. Production for the month was 24.9% higher than the budget estimate of 223 AF. This unusually high demand resulted in low pressure issues in the north system and required more supplemental potable water use than normal to meet system demands.

On July 25 and 26, 2026, the 7-day coliform median exceeded the 2.2 MPN/100 mL limit. In response, sodium hypochlorite dosing was increased and the median subsequently returned below the permit limit; staff are closely monitoring chlorine residuals, coliform results, and overall treatment performance while evaluating additional operational adjustments.

The wastewater treatment process continues to perform well, with no current indication of a biological treatment system upset contributing to the elevated coliform results. Secondary effluent turbidity has remained consistently between approximately 1.4 and 2.5 NTU, while CBOD and TSS removals have averaged approximately 98–99%. The sand filters have also performed well, with filtered water effluent turbidity consistently between 0.6 and 0.9 NTU throughout the month, well below the 2 NTU permit limit.

During a routine inspection, staff identified a broken sand washer column in one of the filter modules. As a proactive measure, the sand washer columns in all sand filter modules were replaced.

Figure 1 (attached) provides a ten-year history of annual recycled water production and rainfall, illustrating the correlation between precipitation and production. Figure 2 compares July production over the past ten years, and Figure 3 shows budgeted versus actual recycled water production for FY 2025-26.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'C. Trees', is positioned above a horizontal line.

Christopher A. Trees, P.E.
Director of Operations

FIGURE 1: RECYCLED WATER PRODUCTION AND RAINFALL COMPARISON



FIGURE 2: JULY RECYCLED WATER DEMAND

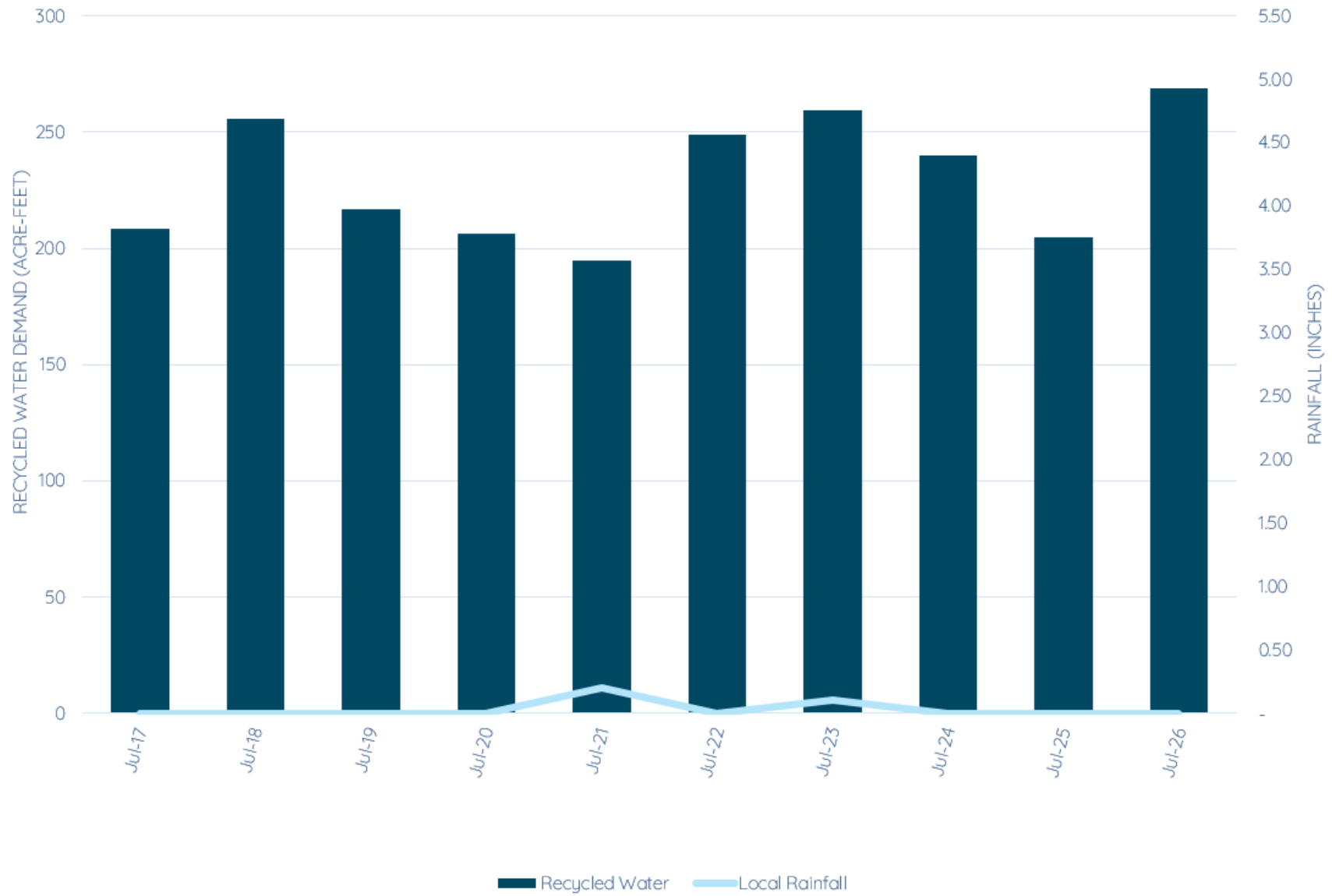
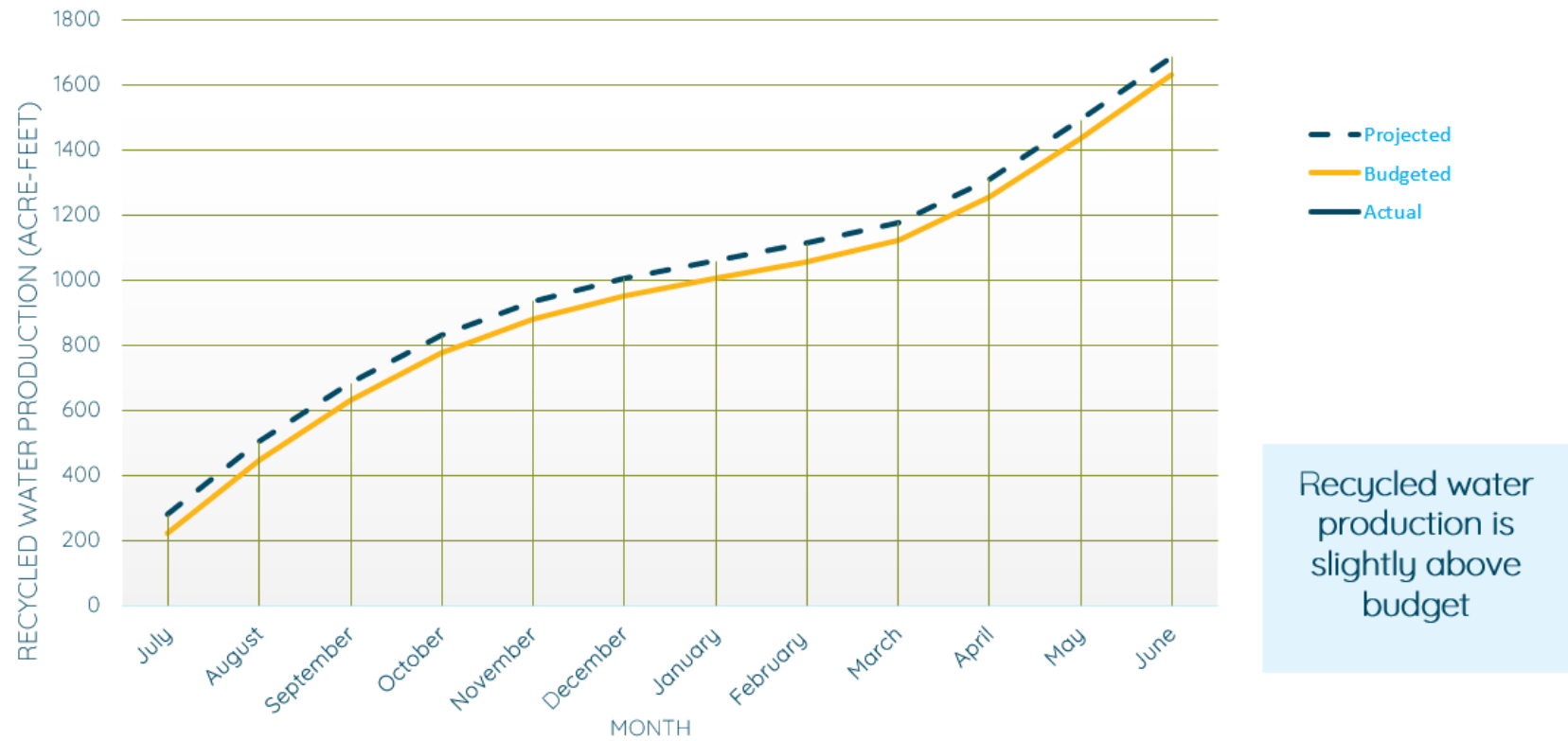


FIGURE 3: FY2025/26 CUMULATIVE PRODUCTION VS BUDGET



*

AGENDA ITEM NO. 7E

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: REPORTABLE MEETINGS

RECOMMENDATION

No action required. This memorandum is submitted for information only.

BACKGROUND

The General Manager or his designee may meet monthly with one or more Board Members in preparation for the Board Meeting.

DISCUSSION

There were no reportable meetings in the months of July or August 2026.

FINANCIAL IMPACT

Per the SEJPA Restatement Agreement, SEJPA offers the Board Member \$160 for each reportable meeting, which the Board Member may choose to accept or reject. These meetings are accounted for in our annual budget.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: CONSTRUCTION COMPLETION ACCEPTANCE - EMERGENCY RECYCLED
WATER PIPELINE REPAIRS AT EAST (MAIN) ENTRY GATE

RECOMMENDATION

It is recommended that the Board of Directors:

1. Accept the Emergency Recycled Water Pipeline Repairs on the San Elijo Water Campus at the East Entry Gate and authorize the General Manager to record a Notice of Completion for Contract with Burtech Pipeline; and
2. Discuss and take action as appropriate.

BACKGROUND

On May 8, 2026, staff identified a leak on a 12-inch recycled water pipeline near the east entry gate to the San Elijo Water Campus. The General Manager declared an emergency and authorized repairs in accordance with SEJPA Resolution No. 2022-01, Purchasing Policies and Procedures.

The Board was notified of the emergency declaration and approved the emergency contract on May 19, 2026, consistent with Resolution No. 2022-01, Section 3.1.d. Public Contract Code Section 22050 requires periodic Board review of emergency actions. Accordingly, this memorandum provides an update on the status of the repair work and project closeout activities.

DISCUSSION

The pipe break was repaired by Burtech Pipeline on May 8, 2026, restoring service the same day and returning the recycled water system to normal operation. The repaired pipeline was successfully pressure tested and remains in service. SEJPA has reviewed and confirmed allowable time and material costs totaling \$25,844.

Following completion of the pipeline repair, SEJPA evaluated the affected area and determined that approximately 460 square feet of asphalt pavement and the gate loop detector require replacement. SEJPA solicited bid proposals from local paving contractors and received three fixed price proposals (Superior, Burtech, and RGC). SEJPA evaluated the bids, determining RGC to be the lowest, responsive, responsible bidder. Under the General Manager's procurement authority, SEJPA contracted with RGC for a lump sum contract of \$17,204 for the pavement repairs. RGC completed the pavement restoration work on August 12, 2026.

FINANCIAL IMPACT

The cost of the emergency repairs will be funded through the Recycled Water Program's operating reserves. The completed emergency repair work, including pipeline repair and asphalt restoration and consultant construction management and inspection costs, is projected to cost approximately \$50,000.

RECOMMENDATION

It is recommended that the Board of Directors:

1. Accept the Emergency Recycled Water Pipeline Repairs on the San Elijo Water Campus at the East Entry Gate and authorize the General Manager to record a Notice of Completion for Contract with Burtech Pipeline; and
2. Discuss and take action as appropriate.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Deputy General Manager

SUBJECT: AWARD OF PRELIMINARY ENGINEERING-DESIGN SERVICES FOR
OLIVENHAIN PUMP STATION GENERATOR AND ELECTRICAL UPGRADES
PROJECT

RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the General Manager to execute Professional Services Agreement with Dudek in an amount not-to-exceed \$65,250 for the preliminary engineering and design of the Olivenhain Pump Station Generator and Electrical Upgrades Project; and
2. Discuss and take action as appropriate.

BACKGROUND

San Elijo Joint Powers Authority (SEJPA) operates and maintains the Olivenhain Pump Station (OPS) on behalf of the City of Encinitas. The OPS is a critical facility that pumps wastewater to the San Elijo Water Campus.

The existing outdoor standby generator (175-kW, diesel) provides emergency power during utility outages. The generator dates to approximately 1997 and, at nearly 30 years old, is approaching the end of its service life. In recent years, efforts to extend the generator's service life have become increasingly costly while providing diminishing returns in terms of reliability and remaining useful life. Continued investment in corrective maintenance to maintain serviceability is not cost effective and equipment replacement is warranted.

The Project scope was developed based on findings from the condition assessment performed as part of SEJPA's ongoing facility planning and a subsequent electrical power system and arc flash study, as well as SEJPA's operating and maintenance experience. These assessments identified the aging standby generator and associated electrical equipment as priorities for replacement. The Project is anticipated to include replacement of the existing generator, automatic transfer switch (ATS), and main service circuit breaker; addition of a manual bypass

transfer switch; and evaluation of Motor Control Center “A” (MCC-A) for potential replacement or refurbishment. The full extent of improvements will be verified during preliminary engineering.

DISCUSSION

On July 17, 2026, SEJPA issued a Request for Proposals (RFP) soliciting professional engineering services to advance the Project through preliminary engineering. The scope includes evaluation and confirmation of the required electrical and mechanical improvements; development of operating criteria and electrical design, as well as construction phasing and sequencing to maintain reliable pump station operation; preparation of an Engineer’s Opinion of Probable Construction Cost.

The preliminary engineering phase will confirm the final Project scope and establish the basis for final design. This work will include evaluation of the generator, transfer switches, main switchboard, MCC-A, and associated electrical equipment; development of construction sequencing; and evaluation of strategy for pre-procurement of long-lead equipment to reduce construction schedule risk. The RFP specifically requested that consultants address current equipment lead times and approaches for maintaining pump station operation during construction.

SEJPA received three proposals by the August 18, 2026 proposal deadline from the following firms, listed alphabetically: Carollo Engineers, Dudek, and Yao Engineering. A selection panel consisting of SEJPA staff and a representative from the City of Encinitas Wastewater Department reviewed the proposals in accordance with the evaluation process established in the RFP. The proposals were evaluated based on the experience and organizational structure of the proposed project team, firm experience and technical competence, project approach, and overall firm qualifications and strength. Consistent with the RFP, the proposed level of effort and distribution of labor hours were also considered to determine whether the highest-ranked consultant’s proposed compensation was fair and reasonable for the required services.

Each panel member reviewed the proposals independently against the RFP criteria. The panel then met to discuss the relative strengths and weaknesses of each proposal and develop a consensus score for each evaluation criterion. The consensus scoring process allowed the panel to reconcile individual evaluations, incorporate the perspectives of both SEJPA and City staff, and establish a collective ranking of the firms.

Table 1 – Proposal and Interview Rating (Consensus Scoring)

Rating Criteria	Max Score	Carollo	Dudek	Yao
Strength of Project Team Members	40	30	32	27
Firm Experience and Technical Competence				
Approach to the Project				
Overall Firm Qualifications and Strength				
Level of Effort, Labor-Hours		246	228	135

Based on the proposal evaluation and consensus scoring, Dudek was identified as the highest-ranked firm. Dudek demonstrated more directly pertinent project experience involving members of the proposed project team, and its team structure was considered well suited to the Project scope and anticipated level of effort. The proposal also presented a sound approach to

evaluating project constructability, including strategies for maintaining pump station operation during construction, assessing bypass alternatives, and coordinating required utility improvements. Collectively, Dudek's relevant team experience, appropriately structured project team, and practical approach to project delivery were determined to be well aligned with SEJPA and the City of Encinitas' objectives for the Project.

Staff also reviewed the proposed labor-hour level of effort and billing rates and determined that the proposed scope and fee are reasonable and appropriate for the required professional services. Based on the qualifications-based selection process and subsequent scope and fee negotiations, staff recommends award of a Professional Services Agreement to Dudek for design of the Olivenhain Pump Station Generator Replacement Project.

FISCAL IMPACT

The Olivenhain Pump Station is operated and maintained by SEJPA on behalf of the City of Encinitas. The City of Encinitas has provided \$100,000 in capital project funding in Fiscal Years 2025-26 and 2026-27 for engineering and design of the Project.

The proposed Professional Services Agreement with Dudek in an amount not to exceed \$65,250 is within the available Project funding; therefore, no additional appropriation is required for award of the engineering-design services.

RECOMMENDATION

It is therefore recommended that the Board of Directors:

1. Authorize the General Manager to execute Professional Services Agreement with Dudek in an amount not-to-exceed \$65,250 for the preliminary engineering and design of the Olivenhain Pump Station Generator and Electrical Upgrades Project; and
2. Discuss and take action as appropriate.

Respectfully submitted,



Thomas C. Falk, P.E., PMP
Deputy General Manager

Attachment 1: Proposal, Scope and Fee Estimate – Dudek

Cover Letter

Attachment 1

August 18, 2026

John Thayer, Consultant PM
San Elijo Joint Powers Authority
2695 Manchester Avenue
Cardiff by the Sea, California 92007

Subject: Design of the Olivenhain Pump Station Generator Replacement Project

Dear John Thayer:

Dudek appreciates the opportunity to provide the following proposal to the San Elijo Joint Powers Authority (SEJPA) for the above-referenced project. Dudek's value-engineering-based approach to achieving SEJPA's goals is highlighted in our proposal along with the following key elements.

An Efficient and Strategic Project Approach. As detailed in our Project Approach, our team has identified several critical project elements, including a summary of our understanding and our approach to providing an efficient and strategic approach to designing and constructing the project on schedule.

Early Communication with Operations Staff. We know how valuable early dialogue is with operations staff so that preferences and operational nuances can be considered and incorporated into the construction phasing from day one.

An Experienced Team with Extensive Knowledge of all Aspects of the Project. As highlighted in our proposal, our team has worked together to provide design services for pump stations of similar sizes and features. Our team is excited about the opportunity to assist SEJPA in successfully continuing to achieve its project goals.

Dudek proposes a select team of skillful, expert engineers committed to effectively tackling all project challenges to replace the existing Olivenhain Pump Station generator and main switchboard and minimize disruptions to operations. The Dudek team has carefully reviewed and evaluated the scope of work related to this project and commits the commensurate talent and resources that are crucial to completing this project.

Sincerely,



Michael Metts, PE
Vice President, Engineering



Joe Schneider, PE
Project Manager

Michael Metts is authorized to sign on behalf of Dudek.

DUDEK AT A GLANCE

Legal Name
Dudek

Form of Business
Corporation

Corporate HQ
687 S. Coast Highway 101,
Suite 110
Encinitas, California 92024
T: 760.942.4157
F: 760.632.0164

Website
www.dudek.com

Project Manager and Point of Contact

Joe Schneider, PE
Project Manager
760.479.4275
jschneider@dudek.com
3133 West Frye Road,
Suite 101, PMB 1225,
Chandler, Arizona 85226

1. Identification of Responder

Dudek History

Dudek is a leading medium-sized engineering and environmental consulting firm, specializing in water-wastewater engineering and environmental services. For over 46 years, we have served Southern California cities and special districts on a variety of planning, design, permitting, construction management, and regulatory issues. We view our role as a partnership with our clients, and we work to identify effective, financially prudent solutions to the project challenges they face. Our firm provides a balanced mix of water infrastructure, water treatment, wastewater treatment, environmental, general civil, and construction management specialists, supported by an impressive and diversified mix of drafters, process/system engineers, construction inspectors, computer-aided drafting and design (CADD), and geographic information system (GIS) experts.

Quality Control and Assurance

Joe Schneider and Neil Harper will provide overall management and QA/QC. Dudek's proactive, effective project management includes the following components:

Quality Assurance/Quality Control. Our QC lead will provide a quality control review of all project deliverables and collaborate with the design team on interdisciplinary reviews, the checking of actual field conditions, project calculation, construction cost opinion reviews, permit requirements, and responses to the San Elijo Joint Powers Authority (SEJPA). Key elements include the following practices:

- A peer-review-based QA/QC process with defined quality roles and responsibilities for the project manager, principal in charge, technical staff, and QC reviewers
- Structured deliverable tracking, including scheduled submittals, required reviews (client standards, interdisciplinary, constructability), QC deadlines, and assigned reviewers
- Documented review and validation procedures for all Dudek submittals to ensure accuracy, coordination, and compliance
- Retention of QA/QC documentation, including review comments, resolutions, and quality records

Cost and Schedule Control. Successful project delivery requires clear planning, accountability, and ongoing performance monitoring. Key elements include the following tasks:

- Review of weekly project status reports from Dudek's accounting system, Vantagepoint, coupled with monthly earned value analysis to closely track the budget and schedule status

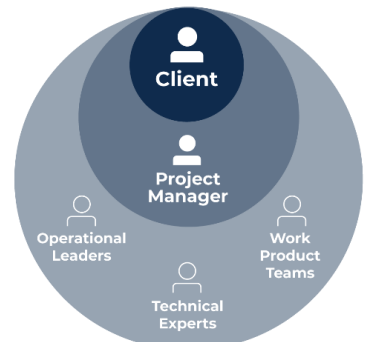
San Diego Offices

687 S. Coast Highway 101,
Suite 110
Encinitas, California 92024

2280 Historic Decatur Road,
Suite 200
San Diego, California 92106

Project Manager and Point of Contact

Joe Schneider, PE
Project Manager/Principal
Electrical Engineer
760.479.4275
jschneider@dudek.com
3133 West Frye Road,
Suite 101, PMB 1225,
Chandler, Arizona 85226



- Dudek's regularly scheduled staff meetings and project team meetings to coordinate work efforts, monitor task completion, and review budget conformance

2. Experience and Technical Competence

Dudek has completed dozens of pump station projects over the last decade. The section below provides the details of five relevant projects, no older than 7 years, for which similar services have been provided.

Relevant Project Experience

MOONLIGHT BEACH SEWER PUMP STATION PUMP REPLACEMENT EVALUATION

Client: SEJPA

Dates: June 2019--March 2025

Reference: Christopher Trees, PE, Director of Operations; 760.238.5400; treesc@sejpa.org

Key Personnel: Michael Metts served as project manager and Joe Schneider served as lead electrical and controls engineer.

SEJPA asked Dudek to perform an evaluation and alternative analysis for the rehabilitation of the 1.1 mgd Moonlight Beach Sewer Pump Station. The Dudek team performed a field investigation of the pump station to evaluate the existing condition of mechanical equipment, mechanical piping layout, and operational and maintenance accessibility. The evaluation and analysis included recommendations for the retrofit of solids-handling, dry-pit submersible pumps to replace the existing vertical (extended drive shaft) centrifugal pumps and in-line sewage grinders; an analysis of the forced-air ventilation system; recommendations on suction and discharge piping redesign; and a life-cycle cost analysis for the alternative improvements. After the pump station rehabilitation design was completed by others for the facility, Dudek was contracted to provide the Engineering Services During Construction (ESDC) during construction of the improvements. Joe served as the ESDC lead electrical and controls engineer for the electrical and controls modifications. The ESDC covered the replacement of the existing vertical extended drive shaft centrifugal pumps with dry-pit submersible pumps; the removal of the grinders; the addition of a new jockey pump and variable frequency drive (VFD); the modification of the existing pump VFDs and motor control center (MCC); and the addition of disconnect switches at each pump. The ESDC scope included submittal review, responses to Requests for Information (RFIs), and a review of commissioning reports.

INSTALLATION OF ELECTRICAL CONDUITS FOR A NEW GENERATOR AND FUEL STATIONS PROJECT

Client: Valley Sanitary District

Dates: April 2025--April 2026 (Design)

Reference: Ron Buchwald, District Engineer; 760.238.5400 ext. 108; rbuchwald@valley-sanitary.org

Key Personnel: Joe Schneider serves as project manager.

Dudek's in-house electrical, instrumentation, and controls team leader served as the project manager, and the team designed the installation of the pre-purchased 500-kW diesel standby generator and automatic transfer switch (ATS) at the District's water reclamation facility headworks electrical building to replace the existing ATS and standby power circuit. The design included new concrete equipment pads, underground duct banks, and the



modification of the existing headworks MCC. This design is complete, and bid phase assistance and ESDC for this project are forthcoming. This is a task under the District's On-Call Engineering Services contract.

LIFT STATION NO. 11 REHABILITATION

Client: South Coast Water District

Dates: April 2024–Ongoing

Reference: Taryn Kjolsing, Principal Engineer; 949.499.4555 ext.317; tkjolsing@scwd.org

Key Personnel: Joe Schneider serves as lead electrical and controls engineer.

Dudek provided engineering services and is currently providing ESDC for the rehabilitation of an existing lift station. Dudek's in-house electrical, instrumentation, and controls engineers' electrical design included replacing all electrical and controls in the drywell and wetwell, including two pumps, an air supply fan, a sump pump, lighting, instrumentation, and all exposed conduits and junction boxes in the dry well. The design also included replacing the existing Modicon Momentum programmable logic controller (PLC) with a Modicon M580 PLC, adding an operator interface terminal into the pump control panel, removing the existing pump control module, migrating pump control to the new PLC, and modifying the existing pump control panel relay logic for the new pumps and PLC.



WATER RECLAMATION FACILITY NO. 1 GENERATOR AND ATS EVALUATION PROJECT



Client: City of Corona

Dates: November 2024–May 2025

Reference: Rodney Williams, Maintenance Superintendent; 951.903.9618; Rodney.Williams@CoronaCA.gov

Key Personnel: Joe Schneider served as project manager.

Dudek evaluated the main 480V switchboards, generators, and ATSs for the City of Corona's Water Reclamation Facility No. 1 (WRF1). The evaluation included a site observation visit; a discussion of staff concerns; a review of repair, maintenance, and test data; coordination with manufacturers on the equipment's remaining useful life; a check on the availability of parts; and the identification of the timeline before equipment is no longer supported. A technical memorandum was submitted to the City, detailing the findings and providing recommendations for equipment upgrades and replacement.

MACARTHUR PUMP STATION REHABILITATION

Client: Orange County Sanitation District

Dates: May 2026–Ongoing

Reference: Omeed Pour, Project Manager; 714.593.7226; opour@ocsan.gov

Key Personnel: Joe Schneider serves as lead electrical and controls engineer and Brian Robertson serves as lead project engineer.

Dudek is providing engineering design services for the rehabilitation of the MacArthur Pump Station, a critical wastewater conveyance facility located in Newport Beach, California. Originally constructed in 1960, the pump station requires significant mechanical, electrical, structural, and ventilation upgrades to address aging infrastructure and improve long-term reliability. The project includes the replacement of internal mechanical equipment; the rehabilitation of the existing wet well; electrical system modernization; ventilation improvements; and structural repairs within the dry well and electrical room. A key project objective is maintaining continuous pump station operations throughout construction through detailed phasing, temporary bypass pumping, and temporary power strategies that minimize operational and environmental risks. The electrical and controls design includes the replacement of all electrical and controls equipment, including the main switchboard, distribution switchboard, MCCs, portable generator connection, instrumentation, distributed control system, fiber optic communications, and supply and exhaust fan system.



3. Project Organization and Key Personnel

Dudek provides SEJPA with a focused team of experts, many of whom are already familiar with SEJPA processes and priorities. **Project Manager Joe Schneider, PE**, will serve as the main point of contact and has 28 years' experience in water infrastructure planning and design.

Supporting Joe is **Principal-in-Charge Michael Metts, PE**, and **QA/QC Manager Neil Harper, PE**. Michael has 43 years' experience in civil engineering, specializing in water, wastewater and recycled water engineering design, permitting, water resources planning, facility design, and construction management and assistance. Neil has 27 years' experience delivering water, wastewater, and recycled water infrastructure throughout Southern California. Michael and Neil will provide senior oversight, technical guidance, and quality assurance throughout the project.

Our staff has the appropriate qualifications, and our key team members are sufficiently committed to the project to complete the work specified in the schedule.

Figure 1 below depicts roles, responsibilities, and lines of communication across the Dudek team.

Figure 1. Organization Chart



Brief biographies of key team members are shown in Table 1. Resumes for all team members are found in Appendix A.

Table 1. Qualifications and Experience of Key Personnel

Name / Project Role / License and Certifications / Home Office	Qualifications	Experience
Joe Schneider, PE Project Manager/Principal Electrical Engineer Registered Electrical Engineer (PE), CA E19636 3133 West Frye Road, Suite 101, PMB 1225, Chandler, AZ 85226	28 years' professional experience in electrical, instrumentation, and control (EI&C) engineering. - Over 18 years specializing in EI&C design for water/wastewater treatment and distribution facilities.	- Moonlight Beach Sewer Pump Station Modifications, SEJPA - Installation of Electrical Conduits for a New Generator and Fuel Stations Project, Valley Sanitary District - Lift Station No. 11 Rehabilitation, South Coast Water District
Michael Metts, PE Principal in Charge Professional Civil Engineer (PE), CA No. 42586 687 S. Coast Highway 101, Suite 110, Encinitas, California 92024	43 years' experience in civil engineering. - He has provided project management and principal-in-charge services throughout the southwestern United States.	- Management Services, Ramona Municipal Water District, Ramona, California - District Engineer, Joshua Basin Water District, Joshua Tree, California - Chino Product Water Pipeline Horizontal Directional Drilling Crossing of the Santa Ana River, Chino Basin Desalter Authority, Norco, California

Table 1. Qualifications and Experience of Key Personnel

Name / Project Role / License and Certifications / Home Office	Qualifications	Experience
Neil Harper, PE Quality Assurance/Quality Control Manager Professional Civil Engineer (PE), CA No. C63288 687 S. Coast Highway 101, Suite 110, Encinitas, California 92024	27 years' project management and QA/QC leadership in water, wastewater, and reuse systems. - Provides oversight from planning and design through construction for pump stations, reservoirs, and treatment facilities.	E. Reservoir Replacement and Pump Station, Vista Irrigation District - Golden Lantern Pressure-Reducing Valve Station, South Coast Water District, Dana Point - Lift Station 11 Conceptual Cost Evaluation, South Coast Water District, Dana Point
Brian Robertson, PE, QSD Senior Project Engineer Professional Civil Engineer (PE), CA No. C77990 Certified QSD 687 S. Coast Highway 101, Suite 110, Encinitas, California 92024	19 years' experience in the planning and design of water and wastewater infrastructure for municipalities and special districts. - Serves as project manager and engineer on a range of project scales from condition assessments and rehabilitation designs to major capital improvement projects.	- MacArthur Pump Station Rehabilitation, Orange County Sanitation District (OC San), Newport Beach - Highbury Pump Station Rehabilitation, Wastewater Conveyance Division, Los Angeles Bureau of Engineering - Houston Creek Wastewater Treatment Plant, Crestline Sanitation District, Crestline
Servando Diaz Project Engineer Professional Civil Engineer (PE), CA No. 90015 27271 Las Ramblas, Suite 340, Mission Viejo, CA 92691	18 years' experience focused on water, wastewater, and recycled water projects. - Project experience includes pipelines, pump stations, treatment facilities, and reservoirs.	- Perimeter Booster Pump Station Upgrades, City of San Bernardino, California - Slater Pump Station Rehabilitation, OC San, Huntington Beach - Victoria Recharge Basin, Western Municipal Water District, Riverside, California
Matt Allen Senior Electrical Engineer Engineer-in-Training (EIT), CA No. 162516 3133 West Frye Road, Suite 101, PMB 1225, Chandler, AZ 85226	- Electrical and controls engineer. - Experience includes design/specification, field investigation, construction drawings, one-line diagrams, equipment schedules, and more.	- Pump Station Standby Power and Electrical Improvements - Municipal Water/Wastewater Electrical Design Projects - Main Switchboard, MCC, and Existing Equipment Replacement Support

4. Project Approach

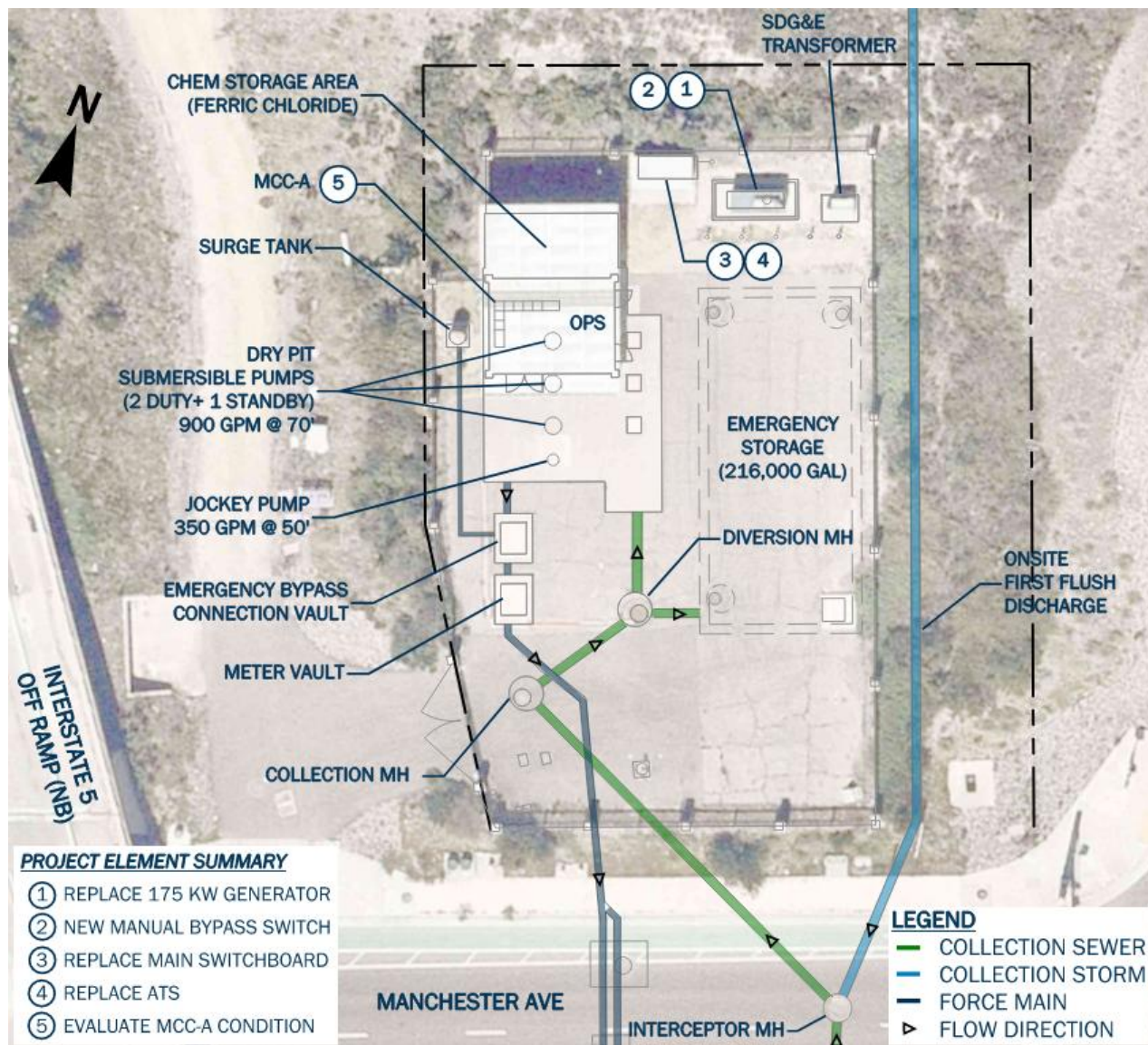
Project Understanding

The Olivenhain Pump Station (OPS) is a regional wastewater conveyance facility operated by SEJPA on behalf of the City of Encinitas, located on leased land within the California Department of Transportation (Caltrans) Interstate 5 northbound off-ramp at Manchester Avenue in Cardiff-by-the-Sea. Positioned between the upstream collection system and the San Elijo Water Campus (SEWC), OPS serves as a key transfer point for wastewater

conveyed through the Olivenhain Trunk Sewer basin and Rancho Santa Fe Community Services District service area, along with smaller tributary areas within the Cardiff Sanitary Division and the City of Solana Beach's San Elijo Hills Sewer Basin, before treatment at SEWC. The station receives flow into an on-site wet well and pumps wastewater through three variable-speed, 40-horsepower pumps (two duty, one standby) and one 12.5-horsepower jockey pump to a 14-inch force main running westbound in Manchester Avenue to the SEWC headworks. The facility also includes emergency storage, bypass pumping infrastructure, surge protection, and standby power systems that support reliable operation.

Figure 2 below summarizes the site layout, major facilities, and the primary project elements this effort addresses.

Figure 2. Site and Project Overview



Because OPS is a critical link in SEJPA's wastewater conveyance system, its standby power and electrical distribution equipment are essential to maintaining uninterrupted service. The existing 175 kW standby generator was installed in 1997 and has reached the end of its useful life. SEJPA has been experiencing age-related deterioration, increasing maintenance demands, and corrosion-related concerns, and has indicated that the Air Pollution Control District of San Diego County may not allow its continued use. The existing main switchboard includes an ATS within. Although installed more recently than the generator, the main switchboard and ATS are experiencing corrosion-related observations and concerns associated with the site's transportation and coastal environment. Staff also indicated that the existing ATS enclosure does not seem to keep the dust, dirt, and spiders out of the enclosure. As configured, the existing electrical distribution system does not provide the District a way to maintain or repair the main switchboard or ATS without shutting down normal and standby power to the site.



SEJPA would also like to add a manual transfer switch (MTS) so a portable temporary generator can be connected to the system, providing standby power during maintenance or repair of the permanent generator. We understand SEJPA's goal is to replace this aging equipment with a standby power system that improves resiliency, safety, and long-term maintainability, keeping the station running on temporary generator power while the main switchboard, ATS, or standby generator is out of service. This effort includes evaluating generator sizing; coordinating with vendors on emissions requirements; performing a condition assessment of the existing main switchboard, ATS, and MCC; and comparing equipment footprint, functionality, lead time, and cost across one or more options that provide greater operational flexibility during both planned maintenance and emergency events.

We recognize that maintaining continuous pump station operation is especially critical at a low-lying, coastal site subject to flooding and wet-weather flows, where a loss of standby power carries direct consequences for the surrounding environment. Successful delivery will require careful assessment of the existing electrical systems, a phased and constructible replacement approach, and temporary power and pumping solutions that minimize risk to ongoing operations. Executed on the project's 4-month schedule, this pre-design effort will establish a clear basis for the final design and construction that will modernize the station's standby power system and improve its resilience and long-term maintainability.

Project Approach

Dudek begins each design with a clear understanding of the project's goals and the site conditions that shape them, then carries that understanding through the technical decisions that follow. The subsections below present

our approach to the project's key issues: electrical modifications, generator options, construction schedule management, MCC evaluation, and work phasing, with temporary bypass pumping addressed as an optional task.

Electrical Modifications

Based on the Request for Proposal (RFP), SEJPA would like to replace the existing generator due to its age and maintenance costs and frequency, and would like the existing main switchboard and ATS evaluated and assessed to determine if components of or all of the main switchboard and ATS should be replaced. SEJPA would also like a condition assessment of the existing MCC-A inside the building. MCC-A is newer and protected in the building, and no corrosion or maintenance issues were noted by SEJPA for MCC-A. Dudek will likely recommend the replacement of all conductors associated with a replaced piece of equipment, such as the generator, and we will discuss our recommendations with SEJPA prior to completing the Basis of Design Memorandum (BODM).

Visual inspection of the electrical equipment exterior will be performed and photos of the inside of the energized equipment provided by SEJPA will be reviewed as part of the condition assessment effort. Dudek will observe and measure on site, if possible, conduit stub-up locations under the generator and main switchboard within the existing equipment concrete slabs. In addition to visual assessment, Dudek will determine if the manufacturers support the existing equipment or if they are at or close to end-of-life support.

Electrical modification recommendations will also take into consideration work phasing, and include improvements to provide SEJPA with the ability to maintain the generator, ATS, and main switchboard while maintaining pump station operation. At the site visit, SEJPA and Dudek discussed the desire for the ATS to be replaced with a bypass ATS, for an added MTS to allow switching between the new generator and a portable generator connection, and SEJPA's desire to replace the generator and main switchboard on the same existing concrete slabs, if possible. SEJPA also advised that they want the engineer to specify around their preferred generator and ATS manufacturer; however, multiple manufacturers will be listed. Generator standardization is important to SEJPA because maintaining multiple manufacturers increases software, training, spare parts, and troubleshooting requirements. Lead times will be obtained from the manufacturers and will be discussed/considered with SEJPA, and may affect the proposed modifications and/or manufacturers.

Generator Options

Dudek will perform generator sizing calculations to determine the generator size (kW) needed for the site. It is possible that the generator size will change. Dudek anticipates that a similarly sized or larger new generator's footprint may be larger than the existing generator due to the presence of emissions equipment to comply with the latest air quality board emissions requirements, and the possibility that the new generator and sound enclosure footprint is larger. In addition, if the existing generator concrete slab is used, the generator may need to be shifted to provide access to the existing conduit stub-ups for the new MTS. The tier rating of the diesel generator will be determined by the air quality board emissions requirements, which will be coordinated with the generator manufacturers during the preliminary design phase. Generator enclosure, exhaust, and the silencer type specified will be verified against the City's noise ordinance. Generator fuel tank size is recommended for a minimum of 24 hours of runtime at full load. The existing generator tank size will be reviewed, and runtime requirements will be discussed with SEJPA.

Construction Schedule Management

As part of the BODM, Dudek may recommend a pre-purchase drawing and specification package during detailed design to allow some or all of the major equipment to be purchased by SEJPA while the design is completed—to

reduce equipment lead time impact to the construction schedule. In Dudek's experience, the switchboard lead time is currently approximately 26 weeks, the generator lead time is approximately 52 weeks, and the bypass ATS lead time can be up to 52 weeks but will be verified during design. Dudek will also consider that SEJPA has advised that on previous projects with San Diego Gas & Electric Company (SDG&E) that when they replaced a switchboard on an existing slab and reused the utility conduits, the work went through SDG&E's maintenance department and the process took less time. When SEJPA had a project where a switchboard was installed on a new slab, SDG&E ran the project through their Engineering Department, and the design and construction schedule was much longer for SDG&E.

MCC Evaluation

Visual inspection of the MCC exterior and photos of the inside of the MCC provided by SEJPA will be reviewed as part of the condition assessment effort. Photos are assumed to include any corrosion or other condition concerns, as well as the major components and their nameplates (such as VFDs). In addition to visual assessment, Dudek will determine if the major component manufacturers (VFDs) support the existing equipment or if they are at or close to end-of-life support from the manufacturer. Any observations regarding the MCC's location will be noted as well.

Work Phasing

Construction sequencing is a key design driver that must be developed during pre-design since it defines the options and constraints that shape the electrical replacement approach. Establishing the preliminary sequence in the BODM avoids rework during the final design and reduces the risk of surprises during construction. Dudek has engineered many wastewater projects around sequencing that keeps facilities in service and minimizes electrical outages, either by building new equipment before existing equipment is taken out of service or by using temporary generator power during cut-overs. The choice of slab approach sets a key tradeoff: Installing new equipment on new concrete slabs before de-energizing the existing equipment shortens the time the site runs on temporary power, while reusing the existing slabs can the lower construction cost (excluding generator rental and fuel) but extends that duration. Both options will be evaluated during the preliminary design phase. SEJPA indicated that night work for power cut-overs may be considered in the sequencing plan, using the existing emergency storage tank.

Bypass Pumping (Optional Task):

Should temporary bypass pumping be determined to be needed for MCC-A recommended work, Dudek's pump station design crew will specify temporary bypass pumping systems and suggest sequencing to maintain pump station operations, while allowing the de-energization of motor control and electrical equipment for construction activities. Two scenarios could develop from the condition assessment and recommendations in the BODR that would lead to the need for bypass pumping:

- Replacement of VFDs in MCC-A (only if entire MCC must be de-energized to replace one VFD at a time)
- Replacement of MCC-A

For either improvement condition, skid-mounted temporary bypass pumping units can be mobilized on site in the area south of the existing emergency storage basin. The 20-inch diameter influent gravity main to the existing wet well can be plugged temporarily at the outlet of the diversion manhole (shown in Figure 2) in addition to the existing wet well influent isolation slide gate for redundancy. This diversion manhole will serve as a temporary wet well, where the temporary bypass pumps will pull suction; the temporary bypass pumping system discharge will be connected to the 12-inch diameter bypass assembly within the existing emergency bypass connection vault. From a cursory review of the upstream piping tributary into the OPS, Dudek anticipates that there is adequate storage volume within the

diversion manhole structure and the upstream sanitary sewer pipes to allow for the water level to be temporarily held at elevation +3', possibly higher. This water level would be vetted by Dudek during the development of the temporary bypass pumping specification. With the existing grade at an approximate elevation of +20', the suction lift required would be around 19.5' taking into consideration the height of the pumps. Godwin Dri-Prime bypass pumps are able to automatically prime 28' of suction lift from dry, which is adequate in this application. To mitigate the chances of a sanitary sewer overflow, the temporary bypass system would be specified to include 100% redundant bypass pump skids on site, with an additional temporary fuel storage tank and 24/7 manned observation and temporary high-water-level alarms. Additionally, the existing diversion manhole includes an emergency overflow at elevation +7.50, which allows for overflow into the adjacent existing emergency storage basin.

Dudek's development of the temporary bypass pumping specification will include a detailed example construction sequencing and phasing plan. Furthermore, the specification will define several requirements for the temporary bypass pumping system including, but not limited to:

- Minimum capacity and head requirements for the bypass pumps
- Temporary operating levels, including a high-level alarm level in the diversion manhole
- Recommended minimum fuel storage capacity
- Temporary alarm and communication systems
- Temporary control and VFD requirements for bypass pump skids

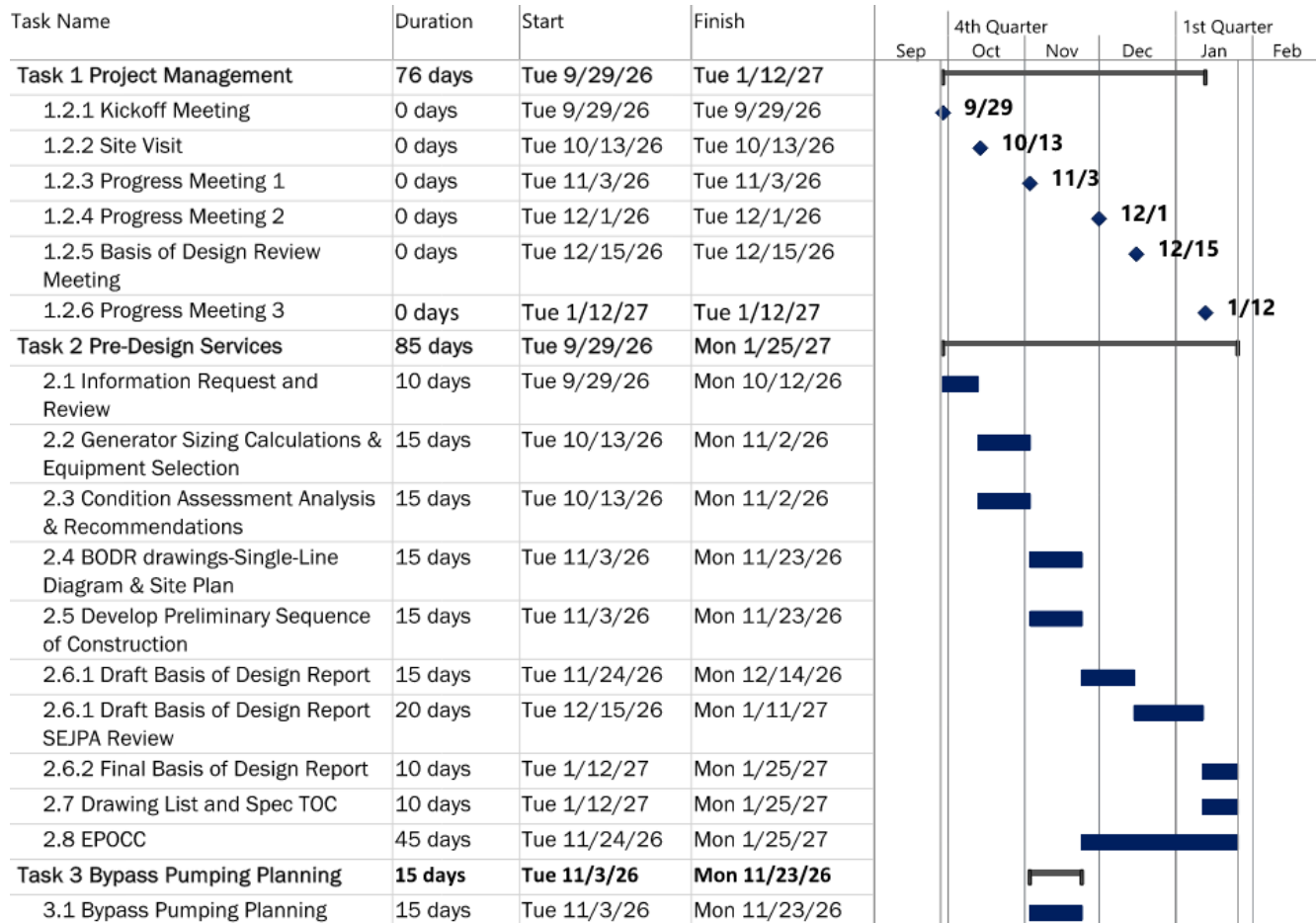
Scope of Work

Project organization will be consistent with the scope of work tasks described in the RFP and outlined in our project schedule and fee. Dudek agrees with the tasks outlined in the RFP Attachment 2—Scope of Services section and has provided additional enhancements, clarifications, additions, assumptions, and/or limits of work in this section.

- **Attachment 2 Scope of Services paragraph 2.1.c:** Photos of the interior of MCC-A and the main switchboard will be provided by SEJPA for use in determining the condition of the interior of the live electrical equipment.
- **Attachment 2 Scope of Services paragraph 2.1.c:** Condition assessment and evaluation of equipment is limited to the main switchboard with the ATS, standby generator, and MCC-A. The PLC control panel and instrumentation are not included.
- **Attachment 2 Scope of Services paragraph 1.2:** The site visit will be in-person. All other meetings will be virtual, unless the kickoff meeting is combined with the site visit.
- **Attachment 2 Scope of Services paragraph 2.1 c and d:** Evaluation of the existing generator and main switchboard concrete pad will be based on record drawings from when the equipment was installed, provided by SEJPA and visual observation on site. Excavation to determine pad thickness and structural testing is not included.
- **Attachment 2 Scope of Services Additional Services (Optional):** The development of temporary bypass pumping requirements and bypass construction sequencing will allow for the replacement of VFDs in MCC-A or allow for the full replacement of MCC-A, if necessary. Deliverables will include a temporary bypass pumping specification, which includes a detailed temporary bypass pumping construction phasing and sequencing plan.

5. Consultant Schedule Estimate

Dudek has prepared the following Gantt chart formatted schedule per the RFP and consistent with the scope of work. This outlines task durations, deliverables, milestones, and SEJPA review periods, as requested.



6. Consultant Comments to Sample Agreement

To facilitate SEJPA's review, Dudek has included Appendix B containing our red-line comments on the sample Professional Services Agreement. The appendix identifies specific provisions for which Dudek requests clarification, modification, or alternative language, and is intended to support contract discussions should Dudek be selected for award.

7. Consultant Fee Estimate

Dudek proposes a not-to-exceed fee of **\$65,250** for completion of the non-optional Tasks 1 and 2 listed in the scope of work. We have also included a breakdown of our proposed Optional Services as outlined in Task 3. This fee proposal shall be valid for 12 months from the time of proposal or completion of design services, whichever is longer.

Dudek Labor Hours and Rates											
Project Team Role:		PIC	Project Manager	QA/QC	Senior Engineer	Sr Elec Engineer	CAD Designer	TOTAL DUDEK HOURS	DUDEK LABOR COSTS	OTHER DIRECT COSTS	TOTAL FEE
Team Member:		Mike Metts	Joe Schneider	Neil Harper	Robertson /Diaz	Matt Allen	Nikki Hunter				
Billable Rate :		\$350	\$300	\$300	\$275	\$270	\$210				
Task 1	Project Management										
1.1	Project Management	4	16					20	\$ 6,200	\$ 800	\$ 7,000
1.2	Meetings and Site Visit		20		4	4		28	\$ 8,180		\$ 8,180
1.3	Quality Control			4				4	\$ 1,200		\$ 1,200
	Subtotal Task 1	4	36	4	4	4		52	\$ 15,580	\$ 800	\$ 16,380
Task 2	Pre-Design Services										
2.1	Information Request and Review		4		4	8		16	\$ 4,460		\$ 4,460
2.2	Generator Sizing Calculations & Equipment Selection		8			16		24	\$ 6,720		\$ 6,720
2.3	Condition Assessment Analysis, and Recommendations		10			12		22	\$ 6,240		\$ 6,240
2.4	BODR drawings-Single-Line Diagram and Site Plan		10		6	12	8	36	\$ 9,570		\$ 9,570
2.5	Develop Preliminary Sequence of Construction		8		2	12		22	\$ 6,190		\$ 6,190
2.6	Basis of Design Report		12		4	24		40	\$ 11,180		\$ 11,180
2.7	Drawing List and Spec TOC		2		1	4		7	\$ 1,955		\$ 1,955
2.8	EPOCC		4		1	4		9	\$ 2,555		\$ 2,555
	Subtotal Task 2		58		18	92	8	176	\$ 48,870	\$ -	\$ 48,870
	Total Non-Optional Hours and Fee	4	94	4	22	96	8	228	\$ 64,450	\$ 800	\$ 65,250
Optional Services											
Task 3	Bypass Pumping Planning										
3.1	Bypass Pumping Planning		2		24	4	8	38	\$ 9,960		\$ 9,960
	Subtotal Task 3		2		24	4	8	38	\$ 9,960	\$ -	\$ 9,960
	Total Optional and Non-Optional Hours and Fee	4	96	4	46	100	16	266	\$ 74,410	\$ 800	\$ 75,210

Appendix A

Resumes

Joseph A. Schneider, PE

PROJECT MANAGER

Joe Schneider (*JOE sh-NEYE-der; he/him*) is a principal electrical engineer with 28 years' professional experience as an electrical, instrumentation, and controls engineer, and 20 years' experience specializing in instrumentation and control system design and electrical distribution system design for water treatment, wastewater treatment, water distribution facilities, and wastewater collection facilities.

Joe's instrumentation and control system design experience consists of the design of programmable logic controller (PLC)-based plant control systems and instrumentation, specification creation, and construction administration duties. His electrical design experience includes the evaluation of sitewide electrical systems and medium and low-voltage electrical distribution system design up to 12.47 kilovolts (kV). These designs include redundant power options and emergency generators, lighting design, grounding system design, specification creation, construction administration duties, and start-up.

Joe is experienced in managing multiple concurrent projects and meeting multiple deadlines. He utilizes his experience as an electrical system owner to understand client operations and concerns and provide design solutions to meet their needs.



Education

*Arizona State University,
BSE, Electrical
Engineering, 1999*

*Keller Graduate School of
Management of DeVry
University,
MBA, Project
Management, 2005*

Certifications

*Registered Electrical
Engineer, CA E19636*

Relevant Project Experience

Moonlight Beach Sewer Pump Station Modifications, San Elijo Joint Powers Authority, Encinitas, California. Served as the lead electrical and controls engineer for the Engineering Services During Construction (ESDC) for a pump station modification project designed by another firm. The project included the replacement of the existing vertical extended drive shaft centrifugal pumps with dry-pit submersible pumps; the removal of the grinders; the addition of a new jockey pump and variable frequency drive (VFD); the modification of the existing pump VFDs and motor control center (MCC); and the addition of disconnect switches at each pump. The scope included submittal review, responses to Requests for Information (RFIs), and the review of commissioning reports.

Water and Sewer Master Plans and Rate Studies, City of El Centro, California. Served as the lead electrical and controls engineer in the condition assessment of the City's water treatment plant and distribution system, as well as the City's sewer lift stations. Assessed each site's electrical system, control system, and telemetry age and condition. Discussed concerns and issues with City staff. Recommended upgrades with priority rankings and ROM costs in the reports.

Water Reclamation Facility 1 Generator and Automatic Transfer Switch Condition Evaluation Project, City of Corona, California. Served as the lead electrical and controls engineer in the evaluation of the main 480-V switchboards, generators, and automatic transfer switches (ATSs). The evaluation included a site observation visit; discussion of staff concerns; review of repair, maintenance, and test data; and coordination with manufacturers

on the equipment's remaining useful life, the availability of parts, and the timeline before equipment is no longer supported. Submitted a technical memorandum that details the findings and provides recommendations for equipment upgrades and replacement to the City.

Installation of Electrical Conduits For a New Generator and Fuel Stations Project, Valley Sanitary District, Indio, California. Served as the project manager and as the lead electrical and controls engineer in the design of the installation of a pre-purchased 500kW diesel standby generator and pre-purchased ATS at the District's water reclamation facility's headworks electrical building to replace the existing ATS and standby power circuit. The design at the headworks area included civil engineering work, concrete equipment pads, underground duct banks, and the modification of the existing motor control center. The fuel station design for two fuel stations included power to new fuel station control panels and pumps, and empty conduit duct banks to the fuel station control panel and to the fuel tank—to support additional power and controls work by a fuel tank vendor. The project is in the bid phase, and bid phase assistance and ESDC for this project are forthcoming. This is a task under the City's On-Call Engineering Services contract.

Lift Station No. 11 Rehabilitation, South Coast Water District, Dana Point, California. Currently serving as the lead electrical and controls engineer for the rehabilitation design of an existing lift station. The electrical design includes replacing all electrical and controls in the drywell and wetwell, including two pumps, an air supply fan, a sump pump, lighting, instrumentation, and all exposed conduits and junction boxes in the dry well. The design also includes replacing the existing Modicon Momentum PLC with a Modicon M580 PLC, adding an operation interface terminal into the pump control panel, and removing the existing pump control module, migrating pump control to the new PLC, and modifying the existing pump control panel and its control relay logic for the new pumps. The project is under construction, and Dudek is providing engineering services during construction.

Hillsborough Pump Station Electrical Upgrades, City of Newport Beach, California. Serving as the lead electrical and controls engineer in the design of electrical, instrumentation, and controls to replace the existing 480-V power distribution system for the Hillsborough Pump Station, including replacing the utility meter service entrance switchboard, motor control center, lighting panelboard, and associated dry-type transformer with new. The electrical design also includes adding a manual transfer switch with receptacle for a portable generator. The electrical layout was challenging due to limited space in the pump building and the City's request that no electrical equipment be located outdoors. After multiple options, the team settled on an option that kept all equipment indoors and did not require underground trenching. The site is manually operated and does not have a local control panel with PLC and telemetry. The controls design includes a new PLC local control panel to monitor and control the site over a fiber optic cable connection. The design is proceeding to a 95% design submittal. This is a task under the City's On-Call Engineering Services contract.

Zones 3 and 4 Booster Pump Stations Upgrades, City of Newport Beach, California. Serving as the lead electrical and controls engineer in the design of electrical, instrumentation, and controls to replace the existing 480-V power distribution system for the Zones 3 and 4 booster pump stations, and replacing all existing motor controllers with VFDs. The design also includes reconfiguring the Zone 4 power distribution system, which also powers other site loads, and adding an ATS and diesel generator standby power for the Zone 4 power distribution system. The booster stations include two 300-horsepower pumps, three 150-horsepower pumps, and two 75-horsepower pumps. The electrical building layout was challenging due to limited space in the pump building, the location of existing conduit stub-ups in the building, and the City's request that no electrical equipment be located outdoors. After multiple options, the team settled on an option that kept all equipment indoors, provided the working space the City desired, and minimized the number of underground conduits to be abandoned and re-routed overhead.

Michael Metts, PE

PRINCIPAL IN CHARGE

Michael Metts is a principal engineer and the manager of Dudek's engineering services. He has 43 years' experience in civil engineering and is a registered engineer in the State of California. Michael's engineering experience encompasses water, wastewater, and recycled water engineering design; permitting; water resources planning; facility design; and construction management and assistance. He has provided project management and principal-in-charge services throughout the southwestern United States. Michael's project experience encompasses the evaluation and expansion of existing facilities as well as the design of new facilities, allowing him to anticipate project challenges to the benefit of his clients. He is committed to maintaining clear and open communication with the client, while maintaining control of the project budget and schedule, as well as proactively delivering cost-effective and innovative project solutions.

Relevant Project Experience

Management Services, Ramona Municipal Water District, Ramona, California.

Provides district engineering and Engineering Department management services under the direction of the general manager. Services included evaluating and recommending improvements to the Ramona Municipal Water District's (RMWD) Engineering Department operations, including evaluating and conducting performance reviews of RMWD staff, to maximize efficiency and streamline daily functions. Provided day-to-day management of RMWD engineering operations, including capital budget, water resources planning, support facilities planning, environmental services, quality control, construction, and developer designed and constructed facilities. Negotiated developer-funded improvements and agreements; managed Legislative Code revisions; coordinated with other RMWD departments and outside agencies; assisted with rate and fee studies, urban water and stormwater management plans, mitigation programs, assessment district formation, and the evaluation of grant and loan applications; and attended board meetings.

District Engineer, Joshua Basin Water District, Joshua Tree, California. Has served as district engineer for Joshua Basin Water District (District) since 2004. In this role, attends District board meetings, performs plan reviews, aids in the review of proposals and selection of consultants, prepares construction documents, manages construction, and oversees regulatory compliance for District capital improvement program (CIP) projects. Dudek performs engineering services for the District, including water pump station and reservoir design, well design and implementation, water recharge program implementation, funding assistance, and other tasks necessary for the overall implementation of the engineering and capital project of the District. Dudek prepared the District's wastewater treatment strategy that blueprints the long-term conversion of the District's septic systems to local treatment facilities and, ultimately, to a regional treatment facility and provides the funding mechanisms to assure implementation over time.



Education

*University of Kentucky
BS, Civil Engineering,
1983*

Certifications

*Professional Civil
Engineer (PE),
CA No. 42586*

Professional Affiliations

*American Public Works
Association (APWA)
American Society of Civil
Engineers
American Water Works
Association
California Water
Environment Association
National Society of
Professional Engineers
Water Environment
Federation*

Chino Product Water Pipeline Horizontal Directional Drilling Crossing of the Santa Ana River, Chino Basin Desalter Authority, Norco, California. Served as principal engineer for the design of approximately 1,500 lineal feet of new 30-inch diameter cement mortar-lined and coated welded steel water pipeline and 36-inch DR9 HDPE pipeline and appurtenances, including a 1,000-lineal-foot crossing beneath the Santa Ana River. The completion of this portion of the pipeline will allow the Chino Basin Desalter Authority (CDA) to provide Western Municipal Water District with its complete allocation of product water from the Chino II Desalter Facility. This portion of the Product Water Pipeline has remained uncompleted since 2014 when, during construction, a microtunneling installation of a 42-inch steel casing was halted by an unknown obstruction just below the northwestern bank of the Santa Ana River. This obstruction prevented completion of the crossing and, ultimately, CDA decided to redesign the crossing using horizontal directional drilling (HDD) techniques to complete the installation of the Product Water Pipeline. The project includes preparation of the HDD design, which will incorporate an extensive geotechnical evaluation, including the use of a pilot bore, to provide confidence in the feasibility of an HDD crossing.

Inland Empire Brine Line Reach V Rehabilitation and Improvements, Santa Ana Watershed Project Authority, Riverside, California. Serves as the project manager and principal in charge directing the design effort, providing quality assurance reviews on deliverables and engineering efforts; meeting with regulatory agencies for permitting and approvals; ensuring that the proper firm resources were applied to maintain the budget and schedule; coordinating the bidding process, construction review, and inspection; ensuring project resources were provided to meet budget and schedule constraints; and providing ongoing and regular communication with the client. The project involved providing new access structures to Reach V of the Inland Empire Brine Line, as well as cured-in-place pipe lining of approximately 23,000 linear feet of 24-inch PVC pipeline. Special features involved the fact that the existing pipeline, due to poor original construction, was out of round between 2% and 10% throughout the reach. Dudek developed innovative solutions for design and construction that reduced the project cost from \$17,000,000 to \$12,500,000, as well as reduced the design fee from \$1,000,000 to \$450,000. Coordination was necessary with the City of Corona, the County of Riverside, and the California Department of Transportation (Caltrans) for traffic control, pipeline flow bypass, and excavation permitting. Additionally, shutdown of the pipeline for bypass installation was coordinated with Eastern Municipal Water District and its customers to complete work within a limited 3-day shutdown constraint.

Chino II Desalter–Riverside/Hamner, Chino Desalter Basin Authority, Chino, California. Served as project manager for the design of a new product water pipeline to convey product water from the Chino II Desalter Plant to a connection with another product water pipeline in the intersection of Riverside Drive and Hamner Avenue in the City of Eastvale. Dudek identified a new 11,000-foot alignment of 30-inch-diameter welded steel pipe within the City of Eastvale and the City of Jurupa Valley to connect to the new product water pipeline, which was also currently in design. The new alignment crosses through existing Caltrans right-of-way on Riverside Drive beneath Interstate 15. Dudek was able to negotiate the use of open-cut construction through the Caltrans right-of-way to avoid additional project costs and schedule delays associated with microtunneling construction.

Salt Creek Gravity Sewer Interceptor, Chula Vista, California. Served as principal in charge for this 15-mile trunk sewer that traverses Chula Vista. The alignment posed numerous challenges related to environmentally sensitive habitat, dense urban areas, and freeway crossings. A capacity issue with the original concept for connecting to the San Diego sewer was discovered. Worked with City of Chula Vista staff to develop an alternative to resolve the capacity issue. The developed alternative involved a new alignment and partially microtunneling the pipe under Interstate 5. This new approach saved the City of Chula Vista approximately 2 million dollars in construction costs. (APWA Project of the Year.)

Awards

- APWA Outstanding Service in the Private Sector. (2000)
- APWA Project of the Year—Salt Creek Gravity Sewer Interceptor. (2005)

Neil Harper, PE

QUALITY ASSURANCE (QA/QC) MANAGER

Neil Harper is a Professional Engineer (PE) with 27 years' experience in project management, engineering, planning, design, and construction support services for a variety of municipal and public agency clients. Specific areas of practice include water, wastewater, and water reuse systems, and relevant experience includes water distribution and treatment facilities, pumping facilities, and reservoirs.

He successfully manages projects and communicates regularly with clients to develop a thorough understanding of the project and the client's needs. Neil focuses on tracking project milestones and their relation to the project schedule and budget, allowing for ongoing knowledge of project status.

Relevant Project Experience

Morro Hills Nos. 1 and 2 Reservoir Repairs and Booster Pump Station, City of Oceanside, California. Served as project manager for the detailed design of repairs to an existing 5 MG pre-stressed concrete reservoir and a 5 MG welded steel reservoir on a common site. Improvements to the reservoirs included replacing piping, buried and exposed valves, and appurtenances; adding inlet and outlet flow meters; and recoating. In addition, the pre-stressed concrete Morro Hills No. 1 Reservoir required repairs of concrete spalling and cracks, rewinding of and anchorage to address seismic deficiencies, and a new underdrain system. To accommodate the seismic retrofit, removal and replacement of the inlet/outlet vault and Morro Hills booster pump station was required. The new booster pump station consists of three 60-horsepower (hp) multistage vertical pumps with a design capacity of 1.5 MG per day at a 320-foot total dynamic head. The pump station includes an emergency generator and water quality instrumentation, and was designed to the City of Oceanside's specifications for architecture and operations and maintenance access to the pumps and appurtenant electrical and control equipment. The project also included site grading, drainage, and fencing improvements.

Morro Hills Pump Station Replacement, City of Oceanside, San Diego County, California. Served as project manager for the preliminary and final design of the Morro Hills replacement pump station. This existing pump station required relocation for the construction of upgrades to the Morro Hills No. 1 Reservoir. Several analyses and scenarios were modeled that concluded with the recommendation for an 1,100 gpm pump station composed of two duty and one standby 60 hp pumps situated within a 20- by 15-foot Concrete Masonry Unit (CMU) building and operated with variable frequency drives (VFDs). The project also involved upgrades to two 5 MG reservoirs; two valve vaults; piping; new fencing; and an upsized and relocated 480V, three-phase electrical service.



Education

California Polytechnic
State University,
San Luis Obispo
BS, Bio-Resource and
Agricultural Engineering

Certifications

Professional Civil
Engineer (PE),
CA No. C63288

Professional Affiliations

Orange County Water
Association (2002–
Present); Board of
Directors (2014–2017);
President (2017)

American Society of
Civil Engineers

Dolphin Well, Tamura Well, and 16th Street Pump Station Upgrades, City of Newport Beach, Orange County, California. Served as project manager for preliminary design, final design, and construction support services for upgrades to all three facilities. Work at the Dolphin and Tamura Wells consisted of replacing four solid state soft start motor controllers with 18-pulse VFDs and inverter duty motors. The new VFDs at each well site were 400 hp and 250 hp and allowed the wells to pump at a constant rate without the use of a pulsed flow control type diaphragm check valve. Work at the 16th Street pump station consisted of replacing two constant-speed, 1,200-revolution-per-minute (RPM), 350-hp vertical turbine booster pumps with two variable-speed, 1,800-RPM, 300-hp pump assemblies. Additional work at the pump station included replacing the solid state soft start motor controllers with 18-pulse variable frequency drives and replacing the diaphragm type booster pump check valves with slanted disc check valves. The purpose of this project was to reduce energy consumption and was partially paid for with Southern California Edison (SCE) rebates.

Equipping of Well 28, City of Corona, Riverside County, California. Served as project engineer for the design of a well, vertical turbine well pump, well head facilities, CMU building, pump-to-waste system, piping/valving, metering, on-site piping, and connection to the City of Corona's water distribution system, motor control center (MCC), including a 200-hp VFD, and supervisory control and data acquisition (SCADA)/Telemetry.

Equipping of Well 29, City of Corona, Riverside County, California. Served as project engineer for the design of a well, vertical turbine well pump, well head facilities, CMU building, pump-to-waste system, piping/valving, metering, on-site piping, and connection to the City of Corona's water distribution system, MCC (including a 250-hp VFD), and SCADA/telemetry.

Equipping of Well 30, City of Corona, Riverside County, California. Served as project engineer for the design of a well, vertical turbine well pump, well head facilities, prefabricated well head cover, pump-to-waste system, piping/valving, metering, on-site piping, and connection to the City of Corona's water distribution system, MCC (including a 250-hp VFD), and SCADA/telemetry.

Equipping of Wells C, D, E, and H at Green River Golf Course, Orange County Public Works, Riverside and Orange Counties, California. Served as project engineer for the equipping of irrigation wells, which included the selection of a vertical turbine well pump and the design of well head facilities, piping/valving, metering, on-site piping, and connection to the golf course's water distribution system, MCC (including VFDs), electric services, and SCADA/telemetry.

Equipping of Well 13E, City of Glendora, Los Angeles County, California. Served as project engineer for the design of a vertical turbine well pump, well head facilities, prefabricated well head cover, pump-to-waste system, piping/valving, metering, on-site piping, and connection to the City of Glendora's water distribution system, MCC (including VFD), 800A electric service, and SCADA/telemetry.

Golden Lantern/Stonehill Pressure-Reducing and Sustaining Station, South Coast Water District, City of Dana Point, Orange County, California. Served as project manager for the design of a pressure-reducing and sustaining station located within a vault. This facility relieved a bottleneck that routinely experienced negative system pressure during high demand (high-irrigation flows). The new facility consisted of several Cla-Val-type control valves that stabilized pressures and relieved the local bottleneck in concert with the new 3,500-linear-foot 12-inch-diameter pipeline and other local pipeline interconnection improvements.

Brian Robertson, PE, QSD

SENIOR PROJECT ENGINEER

Brian Robertson (*BRY-an ROB-urt-son he/him*) is a licensed civil engineer with 19 years' experience in the planning and design of water and wastewater infrastructure for municipalities and special districts throughout California. His project experience spans treatment facilities, pump stations, sewer and water pipelines, and stormwater systems, with a consistent focus on delivering complete design packages on schedule and within budget. Brian has served as project manager and project engineer on a range of project types and scales, from condition assessments and rehabilitation designs to major capital improvement projects. His technical work encompasses hydraulic analysis; pipe sizing; alternatives evaluation; plans, specifications, and estimates (PS&E) preparation; permitting coordination; and construction support. He is recognized for clear communication with clients; effective coordination across multidisciplinary teams and utilities; and thorough, constructible design packages that reduce contractor risk and support successful project delivery.



Education

Cal Poly State University,
San Luis Obispo
BS, Civil Engineering,
2006

Certifications

California Civil PE C77990
Certified QSD

Relevant Project Experience

Highbury Pump Station Rehabilitation, Bureau of Engineering, Wastewater

Conveyance Engineering Division, Los Angeles, California. Project engineer for the rehabilitation of an aging wastewater pump station to improve reliability, safety, and capacity for future flows. Work included replacing four submersible dry-pit pumps with a two-small/two-large pump configuration, integrating new variable frequency drives with bypass starters, and upgrading suction and discharge piping and valves. Electrical improvements included a new motor control center, an automatic transfer switch (ATS) with arc-flash mitigation, conduit and cable upgrades, and a 200-kilowatt Tier 4-compliant standby generator. Instrumentation and controls were modernized with a programmable logic controller-based panel, human machine interface, ultrasonic level sensors, pressure transmitters, and magnetic flow meter replacement. Additional scope addressed National Fire Protection Association 820 hazardous area compliance, ventilation upgrades, wet well liner and structural repairs, lead paint abatement, and site civil improvements.

MacArthur Pump Station Rehabilitation, Orange County Sanitation District, Newport Beach, California. Technical manager and project engineer for the rehabilitation of an existing wastewater pump station, including the replacement of pumps, piping, ventilation systems, electrical equipment, instrumentation and controls, and wet well rehabilitation within the existing facility footprint. Responsible for coordinating civil, structural, mechanical, and electrical, instrumentation, and control (E&IC) design disciplines; managing technical development and quality control of project deliverables; and serving as a primary client-facing technical resource to ensure compliance with Orange County Sanitation District standards, preferences, and operational requirements. Support development of E&IC design documents, piping and instrumentation diagrams (P&IDs), and construction documents while leading the evaluation of constructability, temporary bypass pumping, temporary power systems, and phased construction strategies to maintain continuous operation during rehabilitation. Collaborate in the early development of commissioning and construction sequencing plans that prioritize the installation of new electrical infrastructure; transition temporary facilities from diesel-powered to permanent power sources; and address procurement and implementation constraints associated with long-lead equipment, including switchgear,

motor control centers, and related electrical systems, to reduce project risks, construction impacts, and operational disruptions

Headworks Screening System Improvements, Olivenhain Municipal Water District, Encinitas, California. Lead mechanical engineer for the preliminary design of upgrades to the wastewater treatment facility headworks, including the replacement of screening equipment, grit handling equipment, instrumentation, controls, and associated electrical improvements. Coordinated with Olivenhain Municipal Water District staff and multidisciplinary design teams to support equipment selection, operational requirements, and facility layout development. Led bypass phasing development, maintenance-of-plant-operation planning, and full plant influent bypass evaluations to support implementation planning and preliminary cost estimating.

Separate Industrial Water Reclamation Facility, City of Gonzales, California. Technical manager and civil/mechanical engineer supporting final design and Engineering Services During Construction (ESDC) for wastewater treatment facility improvements, including a new 750-kW emergency generator, ATS, switchboard, Pacific Gas and Electric Company electrical service, pad-mounted transformer, and associated electrical infrastructure. Responsibilities included mechanical process design; coordination of equipment loads, instrumentation, and control requirements; design of equipment pads and site grading improvements to elevate critical infrastructure above the 100-year flood elevation; and coordination of structural, electrical, utility, and civil improvements. Managed the integration of process, electrical, and utility requirements into final design packages and provided construction-phase support through the review of electrical equipment submittals, equipment pad designs, and utility service requirements, and the implementation of standby power and electrical distribution improvements.

Huston Creek Wastewater Treatment Plant Dewatering Building and Primary Clarifier, Crestline Sanitation District, Crestline, California. Project manager for engineering services during construction for wastewater treatment plant improvements, including the installation of a new standby generator, ATS, switchboard, utility service equipment, and associated electrical infrastructure. Managed the review and coordination of electrical equipment submittals, Requests for Information, and contractor design clarifications, with an emphasis on proactively identifying and resolving long-lead procurement issues that could impact the project schedule. Coordinated with the contractor, electrical design team, and Southern California Edison regarding new electrical service requirements, pad-mounted transformer installation, utility responsibilities, and service connections. Supported technical review of the generator, ATS, switchboard, transformer, and equipment pad submittals while facilitating construction sequencing, scheduling, and the implementation of critical electrical improvements.

Edinger Pump Station Rehabilitation Study, Orange County Sanitation District, Huntington Beach, California. Technical manager and project engineer for a rehabilitation study evaluating alternatives for the rehabilitation, replacement, relocation, or abandonment of an aging wastewater pump station. Managed preparation of the Preliminary Design Report and coordinated civil, mechanical, electrical, structural, geotechnical, and code-compliance evaluations. Led condition assessments, alternatives analysis, conceptual layouts, life cycle cost evaluations, and stakeholder workshops with engineering and operations staff to identify a preferred alternative. Developed recommendations addressing facility reliability, maintainability, constructability, operational continuity, and long-term capital planning for the pump station and associated conveyance infrastructure.

Slater Pump Station Valve Replacement and Wet Well Access Improvements, Orange County Sanitation District, Huntington Beach, California. Project manager for pump station improvements, including valve replacement, wet well rehabilitation, and access improvements within an active wastewater facility. Led the development of bypass phasing and maintenance-of-operation requirements in coordination with Orange County Sanitation District engineering and operations staff. Coordinated bypass alternatives and constructability considerations with Charles King Company and Rain for Rent to maintain reliable pump station operation throughout construction.

Servando Diaz, PE

PROJECT ENGINEER

Servando Diaz (*ser-VAN-doh DEE-az; he/him*) is a project engineer with 18 years' experience focused on water, wastewater, and recycled water projects, with an emphasis on infrastructure planning and improvements. Servando's project experience includes pipelines, pump stations, treatment facilities, and reservoirs. He has been involved in all stages of the engineering process, from conceptual planning, preliminary design, and final design to construction assistance services.

Relevant Project Experience

Victoria Recharge Basin, Western Municipal Water District, Riverside, California. Part of a project team responsible for the design of a 10-acre recharge basin with supply and overflow facilities. Primary duties involved daily site visits for monitoring water level during pilot testing.

Mountain Avenue West Basin Final Design, Eastern Municipal Water District, Perris, California. Served as project engineer for the preparation of construction documents for a 50-acre recharge facility. The facility is located close to the residential neighborhoods and a public park, as well as critical transportation and utility infrastructure, so reducing operational risks associated with the recharge facility was paramount. The project features three separate basin facilities—one for de-silting and flow distribution and two for recharge operations—capable of recharging up to 37,000 acre-feet per year. Project tasks included the design of flow control and metering facilities for 43 cubic feet per second of raw water and 22 cubic feet per second of future water supplies.

Perimeter Booster Pump Station Upgrades, City of San Bernardino, California. Served as project engineer for preliminary and final design of a 100-horsepower (hp) vertical turbine pump, discharge piping and valves, 100-hp solid-state soft starter, 250-kW generator set, and a 600-amp automatic transfer switch. The selected pump was required to pump to the interim and future hydraulic grade, which differed by approximately 25 feet, and hydraulic calculations were developed to determine the impacts to the two existing pumps for both hydraulic scenarios. The project also required enlarging the pump station enclosure to accommodate the generator, which consisted of an additional concrete block wall, relocating a 10-foot gate, and asphalt paving.

Capital Improvement Plan, Olivenhain Municipal Water District, Encinitas, California. Part of the project team for the Capital Improvement Plan for the 4S Ranch and Rancho Cielo wastewater systems. The Capital Improvement Plan identified capital projects through asset management, condition assessment, operational evaluation, and failure modes and effects analysis. The project identified over 70 projects, from annual replacement projects to multimillion-dollar process upgrades, over a 20-year planning horizon.



Education

California Polytechnic State University, San Luis Obispo BS, Bioresource and Agricultural Engineering, 2009

Certifications

Professional Civil Engineer (PE), CA No. 90015

Professional Affiliations

Orange County Water Association

Engineers without Borders—USA

Slater Pump Station Valve Replacements and Wet Well Improvements, Orange County Sanitation District, Huntington Beach, California. Served as project engineer for the planning and design of pump station rehabilitation improvements, including large valve replacements, wet well repairs, stop log and isolation gate improvements, and force main bypass connections. Prepared bypass pumping evaluations, construction sequencing, traffic control coordination, and constructability reviews for a constrained operating facility. Leveraged prior experience as engineering staff for Rain for Rent to develop temporary pumping alternatives and phased construction approaches that minimized operational impacts and reduced construction risk.

Anaheim South Recycled Water Project, City of Anaheim, California. Served as project engineer for the preliminary design of a recycled water distribution pipeline and pump station. Based on the hydraulic parameters, a 4,000-gpm pump station was designed to include three 100-hp pumps, two 50-hp pumps, a 127,000-gallon forebay, and a surge facility to accommodate fluctuations in system demand pressures.

16th Street Pump Station and Dolphin/Tamura Water Wells, City of Newport Beach, California. Served as project engineer for the design of upgrades to the 16th Street Pump Station and the water wells at Dolphin and Tamura Streets. Improvements included increasing pumping capacity to two of the existing five pumps at the 16th Street Pump Station. The design also included an upgrade to the control systems and station upgrades. Assisted in the development of the construction plans and specifications in addition to the engineer's estimate.

Rockport Ranch Lake and Well Design, Lennar Homes, Menifee, California. Part of the project team for the design of two recreational lakes for a new housing development planned in Menifee, California. The design consisted of lake liner design, lake edge design, and water quality measures in the form of mechanical and biological treatments. Servando's primary role included the design of four lake water recirculation submersible pump station/wet well and distribution piping to the biofilters located along the lake edge. Other design components included an intake bay/skimmer system, water jets through the lake edge, up-flow biofiltration units, and an aeration system. The project also included the design of shallow well and above-grade facilities to provide local groundwater to lake.

University Well Treatment Upgrade, Goleta Water District, Goleta, California. The Goleta Water District contracted Dudek to design a variety of well site improvements, including a new treatment system for the removal of iron and manganese. The iron and manganese treatment system comprised a filter vessel, steel backwash tank, backwash reclaim system, backwash overflow to storm drain line, pre-packaged sludge lift station, aboveground and belowground piping, valves, operators, and flow meters. Project challenges that were successfully addressed included maximizing the site space constraints for the large filter vessel and backwash tank and the interconnection to the existing well site infrastructure. Other on-site upgrades included modification to the existing chemical storage room and replacement of the on-site fencing and landscaping.

San Jacinto Valley Enhanced Recharge and Recovery Program, Eastern Municipal Water Department, San Jacinto, California. Served as project engineer responsible for the preliminary design of a treatment facility for iron and manganese removal and the blending, disinfection, and storage of extracted groundwater. The centralized treatment facility was designed to process up to 18,300 gpm from 11 groundwater extraction wells constructed across three phases. The design includes chemical oxidation of the iron and manganese for removal by media filtration. The treatment system also included the application of a blending strategy to mix high-quality water (low iron and manganese concentration) with poor-quality water (high iron and manganese concentrations).

Matt Allen, EIT

SENIOR ELECTRICAL ENGINEER

Matt Allen is an electrical and controls engineer with experience in power distribution, motor controls, standby power systems, generators, automatic transfer switches (ATSs), main switchboards, motor control centers (MCCs), variable frequency drives (VFDs), uninterruptable power supplies (UPSs), programmable logic controllers (PLCs), supervisory control and data acquisition (SCADA), instrumentation, and industrial communication systems. His experience includes design/specification, field investigation, construction drawings, one-line diagrams, equipment schedules, load calculations and schedules, submittal review, installation support, commissioning, maintenance, and troubleshooting. His standby power experience includes diesel and natural gas generators ranging approximately from 200 kW to 750 kW, with ATS and load bank applications primarily supporting pump station facilities.

Project Experience

Electrical Power Distribution and Standby Power

Pump Station Standby Power and Electrical Improvements. Served in electrical design and field support roles for pump station standby power and electrical improvements. Experience included the design and specification of diesel and natural gas standby generators in the approximate 200 kW to 750 kW range; ATS design/specification; the review of equipment submittals; and the coordination of generator and transfer switch requirements with pump station power distribution systems. Work also included one-line diagrams, load calculations and schedules, conduit and conductor routing, construction drawings, and support for installation and commissioning.

Municipal Water/Wastewater Electrical Design Projects. Served as an electrical engineer supporting capital improvement projects involving power distribution, MCCs, motor controls, PLCs, SCADA, piping and instrumentation diagrams (P&IDs), conduit schedules, emergency/standby power, UPS systems, and lighting. Produced electrical plans, specifications, construction cost estimates, site investigation reports, and design reports. Provided construction support through contractor submittal reviews, construction coordination meetings, and the resolution of interdisciplinary design conflicts.

Main Switchboard, MCC, and Existing Equipment Replacement Support. Performed field investigations and construction support involving existing main switchboards, MCCs, service equipment, and associated power distribution components requiring replacement or upgrade. Tasks included documenting existing conditions, reviewing equipment condition and constraints, coordinating replacement requirements with operational needs, preparing drawings and equipment schedules, supporting load calculations, and assisting during construction to address equipment fitment, routing, and installation questions.



Education

*University of Kansas
BSE, Engineering
Physics—*

*Electromechanical Control
Systems, 2017*

*Augusta Technical College
AS, Industrial Systems
Technologies, 2011*

Certifications

*Engineer-in-Training (EIT),
No. 162516*

Pump Stations and Collection Systems

Pump Station Electrical and Controls Design Support. Supported pump station electrical and controls work involving ATSSs, standby generators, MCCs, VFDs, pump motor controls, instrumentation, UPS systems, and SCADA/telemetry interfaces. Experience included design/specification; field investigation of existing electrical and control systems; the preparation of construction drawings, load calculations, one-line diagrams, and equipment schedules; and construction-phase support, including submittal review and coordination with contractors and operations staff.

VFD-Based Pump, Conveyor, and Centrifuge Control Applications. Designed, installed, commissioned, maintained, and troubleshot VFD-based motor control systems for pumps, conveyors, and centrifuges in industrial and municipal water/wastewater applications. Experience included Allen-Bradley, ABB, and Yaskawa VFD platforms; integration with PLCs, HMIs, instrumentation, and motor control panels; field troubleshooting of communication and control issues; and the optimization of equipment performance and reliability.

Instrumentation and Controls

Hydrogen Electrolysis Test Station Controls and Commissioning. Served as a research technologist responsible for designing, building, and commissioning electro-mechanical test stations for hydrogen proton exchange and anion exchange electrolysis research. Work focused on safety, repeatability, and reliable data acquisition. Tasks included AutoCAD Electrical and P&ID schematics; bill of material (BOM) generation and management; PLC programming; PID control loops for temperature and pressure; pumps; level and flow control; instrumentation integration; test station layout; and commissioning support.

Packaged Wastewater Equipment Controls and Field Startup. Designed, tested, installed, and supported electrical control systems for packaged wastewater treatment and process equipment. Equipment included pumping and filtering systems; chemical dosing systems; filter presses; dredges; conveyors; centrifuges; motors; VFDs; PLCs; HMIs; analog and digital instrumentation; pneumatics; mechanical drive systems; and motor control panels. Responsibilities included customer field installation support; troubleshooting; calibration; startup; plant communication coordination with SCADA systems; maintenance; retrofits; and customer training.

SCADA Server Life Cycle Replacement Support. Supported on-site efforts for a utility SCADA server life cycle replacement project. Responsibilities included field coordination, documentation support, troubleshooting of equipment communication issues, and coordination with project stakeholders during implementation activities. Experience from this work complements broader SCADA, PLC, telemetry, and industrial network experience across water/wastewater, utility, laboratory, and industrial equipment projects.

Cross-Discipline Project Support

Industrial Wastewater Equipment Controls and Automation. Oversaw the manufacture, maintenance, and troubleshooting of control systems for electrically, hydraulically, and pneumatically operated wastewater and industrial equipment, including centrifuges, presses, chemical dosing systems, diesel-driven dredges, filter presses, conveyors, pumps, and diesel engines. Created standard operating procedures and preventive maintenance schedules; redesigned pumps to improve performance and control; and supported mechanical and electrical troubleshooting across field-deployed equipment.

Appendix B

Redline Sample Agreement

Attachment 1 - Example PSA

PROFESSIONAL SERVICES AGREEMENT
BETWEEN SAN ELIJO JOINT POWERS AUTHORITY
AND _____
FOR _____

This Professional Services Agreement (“**Agreement**”) is made on this ____ day of _____, 20__, (“**Effective Date**”) between SAN ELIJO JOINT POWERS AUTHORITY (“**SEJPA**”), and _____ (“**CONSULTANT**”), an independent CONSULTANT, with a principal place of business in _____, California.

SECTION 1 SERVICES TO BE PERFORMED BY CONSULTANT

1.01 CONSULTANT will perform the deliverables within the scope described in **Attachment A**. CONSULTANT will provide SEJPA with periodic reports regarding the progress of services performed, at SEJPA’s request. Any changes to the scope of services or timeframes identified in **Attachment A** must be authorized by SEJPA in writing and shall be set forth as an amendment to this Agreement. Consultant shall perform the services under this Agreement in a manner that is consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances in the same or similar locality at the time of performance.

1.02 CONSULTANT will determine the method, details, and means of performing the above-described services.

SECTION 2 TERM OF CONTRACT

2.01 This Agreement will become effective on the date stated above, and will continue in effect until the earlier of the completion of services provided for in this Agreement, [Month Date, Year], or until terminated as provided in this Agreement.

SECTION 3 COMPENSATION

3.01 Compensation for all work performed under this Agreement, including labor, equipment, materials and services which CONSULTANT is obligated to perform, including all applicable taxes, for the services described in **Attachment A** shall not exceed _____ Dollars (\$_____). This amount shall not be exceeded unless there is a change in scope of work, and agreed to in writing by both parties, and set forth in an amendment to this Agreement. Such amendment shall identify any change in compensation as a result of the change in scope of work. CONSULTANT and SEJPA agree that this fee was arrived at through arm’s length negotiations between the parties. SEJPA shall make payments to CONSULTANT in response to duly submitted invoices in accordance with this Section.

3.02 Prepayments will not be made, at any time, during the execution of this Agreement. CONSULTANT shall submit monthly invoices to SEJPA for payments. Such invoices shall represent the value of the items delivered or services provided during the billing period. Such invoices shall be prepared in such form and supported by documentation as SEJPA may reasonably require including a brief narrative description of the work performed.

~~third-party~~ claims, demands, losses, costs, expenses, obligations, liabilities, damages, recoveries, and deficiencies, including interest, penalties, reasonable attorneys' fees, and costs (collectively referred to as "**Liabilities**") that such entities or persons may incur ~~to the extent caused by that arise out of, pertain to, or relate to~~ the negligence, recklessness, or willful misconduct of CONSULTANT, including CONSULTANT's officers, officials, directors, employees, sub-CONSULTANTS, agents, representatives, volunteers, successors, assigns or anyone for whom CONSULTANT is legally responsible. In no event shall the cost to defend charged to the design professional exceed the design professional's proportionate percentage of fault. However, notwithstanding the previous sentence, if, in the event SEJPA brings an action pursuant to this Agreement, 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. Notwithstanding the foregoing, with respect to any professional liability claim or lawsuit, this indemnity does not include providing the primary defense of SEJPA, provided, however, CONSULTANT shall be responsible for SEJPA's defense costs to the extent such costs are incurred as a result of CONSULTANT's negligence, recklessness or willful misconduct.

CONSULTANT shall cooperate with and do whatever is necessary to protect Indemnified Parties from any such Liabilities.

7.04.2 CONSULTANT shall defend Indemnified Parties, at CONSULTANT's own cost, expense and risk, from any and all such aforesaid Liabilities asserted in claims, demands, actions, causes of action, arbitration, mediations or other proceedings of any kind that may be brought or instituted against Indemnified Parties. CONSULTANT and Indemnified Parties shall be jointly represented by legal counsel, unless there is a conflict of interest, and CONSULTANT shall pay Indemnified Parties' reasonable attorneys' fees and costs as they are incurred. Indemnified Parties shall be consulted regarding, and approve, the selection of legal counsel. Should separate legal counsel be necessary for Indemnified Parties, as determined by SEJPA, CONSULTANT shall pay for the reasonable attorneys' fees and costs including expert witness fees, as such fees and costs are incurred and within thirty (30) days of receipt of an invoice, for Indemnified Parties' legal counsel in addition to CONSULTANT's own legal fees and costs. In all circumstances, Indemnified Parties reserve the right to retain their own attorneys. CONSULTANT shall not agree without Indemnified Parties' prior written consent to any settlement on behalf of Indemnified Parties. The cost to defend charged to CONSULTANT shall not exceed the CONSULTANT's proportionate percentage of fault, except that in the event that one or more defendants is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, CONSULTANT must meet and confer with the other parties regarding unpaid defense costs.

7.04.3 If CONSULTANT is obligated to defend Indemnified Parties pursuant to this Article 7, Section 7.04, and fails to do so after reasonable notice from SEJPA, Indemnified Parties may defend themselves and/or settle such claims, suit or assertion, and CONSULTANT shall pay to Indemnified Parties any and all Liabilities incurred in relationship with Indemnified Parties' defense and/or settlement of such proceeding.

9.01.3 Automobile Liability Insurance [form number CA 0001, covering code 1 (any auto)] covering bodily injury and property damage, with a combined single limit of no less than One Million Dollars (\$1,000,000) per claim for bodily injury and property damage.

9.01.4 Employer's Liability Insurance with a combined single limit of no less than One Million Dollars (\$1,000,000) per claim for bodily injury or disease.

9.01.5 Error and Omissions Insurance appropriate to CONSULTANT's services, with a combined single limit of no less than Two Million Dollars (\$2,000,000) per claim, and Two Million Dollars (\$2,000,000) ~~policy-annual~~ aggregate.

9.01.6 [IF APPLICABLE] Pollution Legal Liability. If the Project involves environmental hazards, CONSULTANT shall procure and maintain for the duration of the Contract, pollution legal liability insurance coverage with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.

9.01.7 [IF APPLICABLE] Ocean-Related Insurance. If the performance of the Agreement requires work on or adjacent to navigable waters, the CONSULTANT'S insurance shall include coverage for liability under the Longshore and Harbor Worker's Compensation Act (33 U.S.C. § 901 et seq.), Outer Continental Shelf Lands Act (43 U.S.C. § 1331 et seq.) and liability for admiralty benefits and damages under the Jones Act (46 U.S.C. 30104 et seq.), with a limit of not less than Two Million Dollars (\$2,000,000) per claim.

9.01.8 [IF APPLICABLE] Hull and Machinery. If the performance of this Agreement Requires the use of water-craft, CONSULTANT shall carry Hull and Machinery (including Collision Liability) insurance (Charter's and/or Owner's Limitation Clause to be deleted) in an amount not less than the market value of the watercraft, and Protection and Indemnity insurance (Charterer's and/or Owner's Limitation Clause to be deleted) in an amount not less than the market value of the watercraft.

9.02 The following are required provisions:

9.02.1 CONSULTANT will provide additional insured insurance coverage and policy endorsements for SEJPA, its Member Agencies (to include the City of Solana Beach and the City of Encinitas), and each of their respective officers, officials, directors, employees, volunteers or agents (collectively referred to as the "**Insured Parties**") under the general liability and automobile liability policies, [including hull and machinery insurance and protection and indemnity insurance [if applicable]]. The coverage shall contain no special limitations on the scope of protection afforded to the Insured Parties. General liability coverage can be provided in the form of an endorsement to

CONSULTANT's insurance (at least as broad as ISO Form CG 20 10, 11 85, or both CG 20 10, CG 20 26, CG 20 33, or CG 20 38; and CG 20 37 forms if later revisions used).

9.02.2 CONSULTANT's general liability and automobile liability insurance shall be primary insurance as respects Insured Parties, and each of them. Any insurance, self-insurance or other coverage maintained by Insured Parties shall be excess of CONSULTANT's insurance and shall not contribute to it.

9.02.3 Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to Insured Parties.

9.02.4 CONSULTANT'S insurance shall apply separately to each insured against whom a claim is made or suit is brought, except with respect to the limits of insurer's liability.

9.02.5 Liability insurance shall include indemnification against loss from liability imposed by law upon, or assumed under contract by, CONSULTANT or its sub-CONSULTANTS for damages on account of bodily injury, including death resulting therefrom, suffered or alleged to have been suffered by any person or persons, other than employees, resulting from the performance or execution of this Agreement by CONSULTANT or its sub-CONSULTANTS.

9.02.6 Liability insurance shall cover accidents arising out of the use and operation of owned, non-owned and hired automobiles, trucks and/or other mobile equipment.

9.02.7 Each insurance policy required by this Agreement shall be endorsed to state that coverage shall not be cancelled or materially modified by the insured or insurer without thirty (30) days prior written notice by certified mail to SEJPA.

9.02.8 ~~All~~ Except for Professional Liability, all policies shall specifically cover any contractual liability incurred hereunder.

9.03 Except for Professional Liability, CONSULTANT hereby agrees to waive rights of subrogation which any insurer of CONSULTANT may acquire from CONSULTANT by virtue of the payment of any loss. CONSULTANT agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of Insured Parties for all work performed by CONSULTANT, its employees, agents and sub-CONSULTANTS.

9.04 Insurance will be purchased from insurance companies with a current A.M. Best's rating of no less than A:VII, unless otherwise agreed to in writing by SEJPA.

9.05 Any deductibles or self-insured retention limits must be disclosed to and approved by SEJPA prior to the execution of this Agreement. At the option of SEJPA, either: the insurer shall reduce or eliminate such deductibles as respects the Insured Parties; or CONSULTANT shall provide a financial guarantee satisfactory to SEJPA guaranteeing payment of losses and related investigations, claim administration, and defense expenses.

9.06 CONSULTANT will furnish SEJPA with certificates of insurance prior to the commencement of work under this Agreement, and as may be periodically requested by SEJPA. CONSULTANT shall include all endorsements necessary to comply with this Agreement, including additional insured endorsements, signed by the insurer's representative. Such evidence shall include confirmation that coverage includes or has been modified to include all provisions required by this Agreement. CONSULTANT shall, upon request of SEJPA at any time, deliver to SEJPA complete, certified copies of the ~~policies of insurance, including endorsements, and receipts for payment or premiums thereon~~, required by this Agreement. Failure to obtain the required documents prior to the work beginning shall not waive CONSULTANT's obligation to provide them.

9.07 If any of the required coverages expire during the term of this Agreement, CONSULTANT shall deliver the renewal certificate(s) including the general liability and auto liability additional insured endorsements to SEJPA at least ten (10) days prior to the expiration date.

9.08 In the event that CONSULTANT employs sub-CONSULTANTS to perform any portion of the services to be performed pursuant to this Agreement, it shall be CONSULTANT's responsibility to require and confirm that each sub-CONSULTANT meets the minimum insurance requirements specified in this Agreement.

9.09 Claims Made Policies. If any of the required policies provide coverage on a claims-made basis:

9.09.1 The Retroactive Date must be shown and must be before the date of the Agreement or the beginning of contract work.

9.09.2 Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.

9.09.3 If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the CONSULTANT must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.

SECTION 10 CONFLICT OF INTEREST

10.01 Upon the award of this Agreement and periodically thereafter, CONSULTANT or an employee or principal of Consultant may be required to complete and file with SEJPA a Conflict of Interest form, to be provided to CONSULTANT by SEJPA.

SECTION 11 ASSIGNMENTS/SUBCONSULTANTS

11.01 Neither this Agreement nor any duties or obligations under this Agreement may be assigned or subcontracted by CONSULTANT without the prior written consent of SEJPA. SEJPA has entered into this Agreement in order to receive the professional services of CONSULTANT. SEJPA shall have the right to approve any sub-CONSULTANT agreements, in addition to the written consent required by this Section. The provisions of this Agreement shall apply to any approved sub-CONSULTANT to CONSULTANT.

SECTION 12 SAFETY

12.01 CONSULTANT shall be solely and completely responsible for the safety of all CONSULTANT personnel, including personnel of any sub-CONSULTANTS, during performance of the services. CONSULTANT shall fully comply with all applicable laws, rules, regulations and ordinances relating to safety of the public and workers, whether federal, state or local. CONSULTANT shall also comply with all contract provisions and SEJPA's policies, procedures, departmental rules and other directives, as provided by SEJPA's Project Manager to CONSULTANT, relating to the safety of the public and workers, including, but not limited to, SEJPA's CONSULTANT Safety Policies and Procedures and any project specific requirements.

SECTION 13 TERMINATION OF AGREEMENT

13.01 Termination for Default. If CONSULTANT defaults in the performance of this Agreement or materially breaches any of its provisions, SEJPA may immediately terminate this Agreement by giving written notification to the breaching party. Termination will take effect immediately on receipt of notice by the breaching party or five (5) days after mailing of notice, whichever occurs first. For the purposes of this paragraph, material breach of this Agreement includes, but is not limited to, the following:

13.01.1 CONSULTANT's failure to complete the services specified in Section 2 of this Agreement.

13.01.2 CONSULTANT's material breach of any representation or term contained in this Agreement.

13.02 Termination for Convenience. Either party may terminate this Agreement without cause upon thirty (30) days written notice.

13.03 Compensation Upon Termination. Upon termination by either party under Sections 13.01 or 13.02 above, SEJPA will pay to CONSULTANT any outstanding service fees minus any costs reasonably incurred by SEJPA related to CONSULTANT's services under this Agreement prior to effective date of termination.

SECTION 14 PROPRIETARY RIGHTS AND CONFIDENTIALITY

14.01 Any written, printed, graphic, or electronically or magnetically recorded information furnished by SEJPA for CONSULTANT's use are the sole property of SEJPA. This proprietary information includes, but is not limited to, customer requirements, customer lists,

15.03 CONSULTANT will not be responsible for damages or be in default by reason of delays caused by factors beyond CONSULTANT's reasonable control.

~~15.03~~15.04 Severability. If any non-material provision of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions will continue in full force and effect without being impaired or invalidated in any way.

~~15.04~~15.05 Attorney's Fees. If any legal action, including an action for declaratory relief, is brought to enforce or interpret the provisions of this Agreement, the prevailing party will be entitled to reasonable attorneys' fees, which may be set by the court in the same action or in a separate action brought for that purpose, in addition to any other relief to which that party may be entitled.

~~15.05~~15.06 Patent and Copyright Indemnity. CONSULTANT represents that it knows of no allegations, claims, or threatened claims that the materials, services, hardware or software ("CONSULTANT Products") provided to SEJPA under this Agreement infringe any patent, copyright or other proprietary right. CONSULTANT shall defend, indemnify and hold harmless SEJPA from and against all losses, claims, damages, liabilities, costs expenses and amounts (collectively, "Losses") arising out of or in connection with an assertion that any CONSULTANT Products or the use thereof, infringe any patent, copyright or other proprietary right of any third party. SEJPA will: (1) notify CONSULTANT promptly of such claim, suit or assertion; (2) permit CONSULTANT to defend, compromise, or settle the claim; and, (3) provide, on a reasonable basis, information to enable CONSULTANT to do so. CONSULTANT shall not agree without SEJPA's prior written consent to any settlement which would require SEJPA to pay money or perform some affirmative act in order to continue using CONSULTANT Products.

15.05.1 If CONSULTANT is obligated to defend SEJPA pursuant to this Section 15.05 and fails to do so after reasonable notice from SEJPA, SEJPA may defend itself and/or settle such proceeding, and CONSULTANT shall pay to SEJPA any and all losses, damages and expenses (including attorney's fees and costs) incurred in relationship with SEJPA's defense and/or settlement of such proceeding.

15.05.2 In the case of any such claim of infringement, CONSULTANT shall either, at its option, (1) procure for SEJPA the right to continue using CONSULTANT Products; or (2) replace or modify CONSULTANT Products so that that they become non-infringing, but equivalent in functionality and performance.

15.05.3 Notwithstanding this Section 15.05, SEJPA retains the right and ability to defend itself, at its own expense, against any claims that CONSULTANT Products infringe any patent, copyright, or other intellectual property right.

15.05.4 All provisions of Section 7.04, including the subsections thereunder, shall apply to CONSULTANT's obligation pursuant to this Section 15.05.

Formatted: Font: 12 pt

Formatted: Justified, Indent: Left: 0", Hanging: 0.25", Right: 0", Space Before: 12 pt, No bullets or numbering, Tab stops: Not at 1.25"

~~15.06~~15.07 Audits. If this Agreement involves an expenditure of public funds in excess of Ten Thousand Dollars (\$10,000), the Agreement is subject to examination and audit of the State Auditor, at the request of SEJPA or as part of any audit of SEJPA, for a period of three (3) years after final payment under the Agreement. CONSULTANT shall cooperate with SEJPA, including any authorized representative of SEJPA, regarding such audit at no charge to SEJPA.

~~15.07~~15.08 Counterparts. This Agreement may be executed in counterparts, each of which shall constitute an original, but all of which together shall constitute one and the same agreement, and the signature of any party to any counterpart shall be deemed a signature to, and may be appended to, any other counterpart. A faxed, .pdf, or other electronic copy of the fully executed original version of this Agreement shall have the same legal effect as an executed original for all purposes. Electronic signatures shall be acceptable and shall have the same legal effect as an original signature.

~~15.08~~15.09 Provisions Required by Law. Each and every provision of law and clause required by law to be inserted in this Agreement shall be deemed to be inserted herein, and the Agreement shall be read and enforced as though they were included herein. If through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the request of either party, the Agreement shall forthwith be physically amended to make such insertion.

~~15.09~~15.10 Governing Law. This Agreement and all questions relating to its validity, interpretation, performance, and enforcement (including, without limitation, provisions concerning limitations of actions), shall be governed by and construed in accordance with the laws of the State of California, notwithstanding any conflict-of-laws doctrines of such state or other jurisdiction to the contrary and without the aid of any canon, custom, or rule of law requiring construction against the draftsman.

15.10 Jurisdiction, Forum, and Venue. The proper jurisdiction, forum and venue for any claims, causes of action or other proceedings concerning this Agreement shall be in the state and federal courts located in the State of California, County of San Diego. SEJPA and CONSULTANT agree not to bring any action or proceeding arising out of or relating to this Agreement in any other jurisdiction, forum or venue. SEJPA and CONSULTANT hereby submit to personal jurisdiction in the State of California for any action or proceeding arising out of or relating to this Agreement including, but not limited to, the enforcement of this Agreement, and hereby waive any and all personal rights under the law of any state, county, or other jurisdiction to object to jurisdiction within the State of California for the purposes of any legal action or proceeding arising out of or relating to this Agreement, including, but not limited to the enforcement of this Agreement, whether on grounds of inconvenient forum or otherwise.

15.11 Signature Authority. SEJPA and CONSULTANT do covenant that the individual executing this Agreement on their behalf is a person duly authorized and empowered to execute this Agreement for such party.

BY SIGNING BELOW THE PARTIES VOLUNTARILY ENTER INTO THIS AGREEMENT AND ACKNOWLEDGE THAT THEY HAVE READ AND

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Deputy General Manager

SUBJECT: AMEND PROFESSIONAL SERVICES AGREEMENT FOR AS-NEEDED
CONSULTING ENGINEERING SERVICES

RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the General Manager to amend Professional Services Agreement with Thayer Water to an amount not-to-exceed \$187,200 for as-needed engineering and project management services; and
2. Discuss and take action as appropriate.

BACKGROUND

The San Elijo Joint Powers Authority (SEJPA) is entering a period of organizational transition concurrent with implementation of several important capital improvement and asset management initiatives. With the planned retirement of the General Manager and forthcoming transition of the Deputy General Manager to the General Manager position, SEJPA is reorganizing the engineering responsibilities to maintain sufficient in-house technical capability and project delivery capacity.

SEJPA's near-term capital program includes a series of moderate-sized rehabilitation, replacement, and modernization projects addressing aging infrastructure, electrical and control systems, treatment processes, and recycled water facilities. Maintaining progress on these initiatives requires dedicated engineering and project management resources to develop project scopes, coordinate technical evaluations, manage design consultants, support procurement and construction, and provide Owner's Engineer oversight.

SEJPA's staffing strategy is to establish a technically focused in-house engineering team supported by specialized consultants as needed. This structure is intended to provide long-term capacity for capital program delivery, plant engineering, asset management, and implementation of operational and technology improvements while maintaining flexibility to augment staff for periods of elevated project workload or specialized technical needs.

DISCUSSION

SEJPA has initiated recruitment for budgeted in-house engineering positions to support the Agency's long-term engineering and capital program needs. These positions are intended to provide requisite capacity for capital project delivery and execution while strengthening SEJPA's in-house capability for plant engineering, asset management, technical assessments, and facility improvement initiatives.

While recruitment is underway, several priority capital projects are advancing and require continued project management and Owner's Engineer support. Staff recommends continuing to retain part-time professional engineering services to support SEJPA's current and anticipated engineering workload during the Agency's organizational transition. The consulting engineer would provide specialized engineering services and coordinate with Agency staff, design consultants, contractors, and other project stakeholders as necessary to perform the contracted services.

John Thayer, Principal and Owner of Thayer Water, Inc. is an independent consultant and California-licensed Professional Civil Engineer with more than 30 years of experience in the southern California water industry. His experience includes a proven track record managing multidisciplinary engineering projects, with particular expertise in treatment plants, pump stations, and related wastewater and recycled infrastructure. Mr. Thayer is currently supporting SEJPA under an as-needed professional services agreement initially authorized within the General Manager's contracting authority.

Mr. Thayer's support would focus primarily on project management and Owner's Engineer responsibilities for priority initiatives including, but not limited to:

- **Olivenhain Pump Station Generator and Electrical Upgrades** – support preliminary engineering, design development, project coordination, and implementation of generator, electrical, and related facility upgrades. (Refer to Staff Report 7G).
- **Tertiary Treatment Pre-Filter Chlorination Study** – manage the technical evaluation of treatment modifications intended to improve disinfection system performance and establish the basis for potential future improvements.
- **Primary Area Rehabilitation** – develop and advance rehabilitation projects addressing aging infrastructure within the primary treatment area.
- **DAFT Area Rehabilitation** – develop and advance rehabilitation and asset replacement improvements associated with the dissolved air flotation thickening facilities.
- **Recycled Water Valve Replacement Program** – support development and implementation of a systematic program for replacement and rehabilitation of aging and critical valves within the recycled water distribution system.

Consultant support for these projects will complement, rather than replace, project management by SEJPA staff. In-house engineering staff will continue to directly manage the Capital Program and capital projects beyond Mr. Thayer's assigned scope, including for example, the Recycled Water Pipeline Replacement Project (consultant selection addressed under Staff Report No. 9B), Lomas Santa Fe Booster Pump Station Rehabilitation, Effluent Pump Station Rehabilitation, and Recycled Water Control Building Electrical and Control System Upgrades.

This division of responsibilities provides additional near-term capacity to maintain momentum across the capital program while SEJPA completes recruitment and develops its long-term engineering organization. It also allows Agency staff to retain direct ownership of key projects

while using experienced consultant resources to manage additional concurrent initiatives and provide specialized engineering support where needed.

Staff anticipates that the consultant engineer will remain a flexible, part-time resource, with actual time charged based on project workload and Agency priorities. The proposed authorization extends the existing agreement through June 30, 2027, and establishes a total as-needed contract authorization not to exceed \$187,200.

FISCAL IMPACT

The proposed professional services agreement will result in a not-to-exceed contract value of \$187,200 through June 30, 2027. Consultant costs will be assigned to the applicable capital projects or budgeted operating expenses based on the services performed.

Funding is available within existing capital program and operating budgets; therefore, no additional appropriation is requested at this time.

RECOMMENDATION

It is therefore recommended that the Board of Directors:

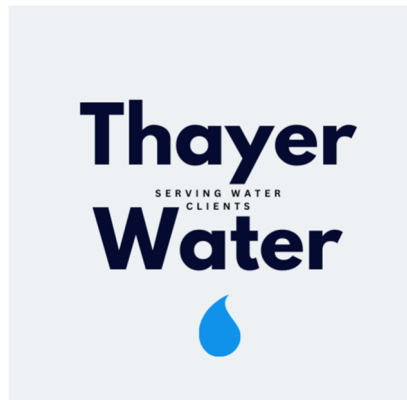
1. Authorize the General Manager to amend Professional Services Agreement with Thayer Water to an amount not-to-exceed \$187,200 for as-needed engineering and project management services; and
2. Discuss and take action as appropriate.

Respectfully submitted,



Thomas C. Falk, P.E., PMP
Deputy General Manager

Attachment 1: Proposal, Qualifications, and Rate Schedule – Thayer Water



September 2, 2026

Tom Falk, P.E., PMP
Deputy General Manager
San Elijo Joint Powers Authority
2695 Manchester Avenue
Cardiff, CA 92007

***Re: Proposal for As-Needed Engineering Services
Thayer Water, Inc.***

Thank you for the opportunity to provide professional as-needed engineering services to support SEJPA's capital improvement program. Enclosed herewith is the scope and rate schedule for as-needed engineering services provided by Thayer Water, Inc.

Background

Thus far, I have been working for approximately three months providing as-needed engineering services to SEJPA in support of the following projects:

- Olivenhain Pump Station Generator Replacement
- Recycled Water Pipeline Replacement at San Elijo Water Campus (Project Scoping)
- 2026 San Elijo Water Reclamation Facility (SEWRF) – Plant Rehabilitation
- Aeration Basin Mixing Improvements at SEWRF
- Pre-Filter Chlorination Study at SEWRF
- SEWRF Primary Sedimentation Basin and Dissolved Air Flotation Tank Rehabilitation

The scope of my services includes project management, procurement of consultants and contractors, and technical review services. I am also available to provide pre-design, design, technical evaluation, and report writing for wastewater and recycled water projects that require engineering services.

I have been a licensed Civil Engineer in California since 1999. The scope of my civil engineering experience includes 27 years of design and planning of infrastructure for treatment, conveyance, storage, and pumping of water, wastewater, and recycled water. My detailed resume and project experience list is included as Attachment A to this proposal. I have provided similar as-needed engineering services for San Diego County agencies whose reference contact information is provided in Attachment A.

Thayer Water, Inc. is an S-Corp, incorporated in California and headquartered in San Diego, with current business licenses in the City of Encinitas and the City of San Diego.

Scope of Services

Task 1 – Project Management Services

Thayer Water will prepare Requests for Proposals, perform consultant and contractor procurement activities, and manage design and planning contracts on behalf of SEJPA. These services include meeting coordination, preparation of meeting materials, leading meetings, reviewing technical work products, field activity logistics, scheduling, and acting as a SEJPA agency advocate and project manager to promote quality, timely project delivery, and project value for SEJPA.

Task 2 – Technical Review Services

Thayer Water will provide technical review of design and construction work products from consultants and contractors. Examples of work products to be reviewed include technical reports, design drawings, design specifications, proposals, field changes during construction, and construction-phase documentation. These services include field observation of existing facilities and facilities under construction. However, Thayer Water is not providing construction inspection services.

Assumptions for Tasks 1 and 2

- Thayer Water is not the stamping engineer for any of the relevant deliverables of other Consultants, but Thayer Water will offer comments and technical evaluation when tasked by SEJPA to perform technical reviews. Thayer Water is acting as SEJPA extension-of-staff and is representing the SEJPA's interest in having consultants and contractors deliver value and quality in support of SEJPA objectives.

Task 3 – Pre-design, Design, Planning, and Other Technical Services

Thayer Water is available to provide pre-design, design, planning and other technical services pertaining to SEJPA infrastructure for treatment, conveyance, storage, and pumping of wastewater and recycled water. Potential services include report writing, design tasks, hydraulic and process calculations, facility layouts/schematics, equipment selection, and other tasks as determined by the Deputy General Manager, General Manager, and SEJPA Engineering, Operations, and Maintenance Staff.

Assumptions for Task 3

- For Task 3 activities requiring subcontracted services such as AutoCAD, Thayer Water will obtain SEJPA approval before arranging for subcontractors to work on SEJPA projects. Subcontractor markup is disclosed in the Attachment B rate sheet.

Budget

Thayer Water will perform the aforementioned services, with an average anticipated weekly commitment of 20 hours devoted to SEJPA projects. John Thayer's hourly billing rate is \$180 per hour for a 20-hour per week commitment, with an annual rate escalation not to exceed 5% after each 12-month period of elapsed contract duration. The Thayer Water, Inc. Standard Rate Schedule is included in Attachment B.

Thayer Water is available to begin work upon the SEJPA's written authorization to proceed. If you have any questions about the scope or would like to discuss further, please contact me at 858-354-7856 or johnbthayer@msn.com.

Thank you for the opportunity to be of service.

Sincerely,



John Thayer, P.E.
President
Thayer Water, Inc.

Attachments:

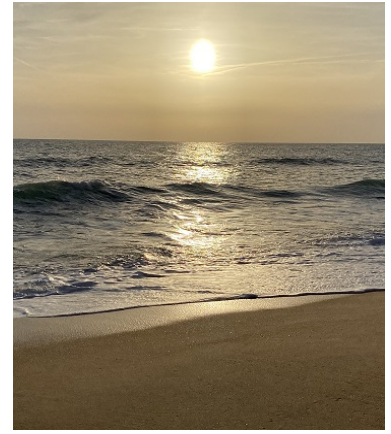
Attachment A – Thayer Water, Inc. Statement of Qualifications

Attachment B – Thayer Water, Inc. Standard Rate Schedule

ATTACHMENT A



Statement of Qualifications



April 2026

BACKGROUND

Thayer Water, Inc. is a water infrastructure design and planning firm founded in September 2024. John Thayer is a California-registered, San Diego-based Civil Engineer with 27 years of experience in engineering consulting. John's expertise includes the following:

- Wastewater Treatment Plant Design
- Water Treatment Plant Design
- Staff Augmentation Services for Municipal Water and Wastewater Districts
- Sewer Pump Station Design
- Water Pump Station Design
- Pump Station Hydraulic Capacity Evaluations
- Condition Assessments for Treatment Plants and Pump Stations
- Well Equipping Design
- Water Reservoir Design
- Planning and Pre-Design Services
- QA-QC Review of Drawings and Specifications for Water and Wastewater Infrastructure
- Office Engineering During Construction and Construction-Phase Submittal Review
- Stormwater Detention and Pumping

DETAILED EXPERIENCE LIST

A detailed resume is provided as an attachment to this Statement of Qualifications. The resume describes some of the projects that John has managed and engineered between 1996 and 2026.

FIRM NAME

Thayer Water, Inc. is a California S-Corp with business licenses in the City of Encinitas and City of San Diego. **Thayer Water** is a DBA designation filed with County of San Diego.

PARTNERS

John partners with specialty subconsultants who he has developed relationships with, including specialists in the following areas:

- Structural engineering
- Electrical engineering and instrumentation
- Geotechnical engineering
- Corrosion engineering and cathodic protection
- Architecture
- Hydrogeology
- Environmental permitting and CEQA
- Surveying
- HVAC

RATES

Hourly rates for John's services are established through discussion with clients based on the scope of work required. A rate sheet dated April 2026 is attached to this Statement of Qualifications.

INSURANCE

Thayer Water, Inc. maintains coverage for professional liability, general liability, and business auto insurance.



John B. Thayer, P.E.
President and Lead Engineer
Thayer Water, Inc.

EDUCATION

B.S. Civil Engineering,
June 1994,
California Polytechnic
State University, San Luis
Obispo, California, USA
Grade point average 3.46

M.Eng. Geological Sciences,
August 1995,
Cornell University, Ithaca,
New York, USA
Grade point average 3.9

M.Sc. Wind Engineering
July 2015,
Kiel University of Applied
Sciences, Kiel, Germany
Grade point average 1.3
(German system – 1.0 best, 5.0
worst)

CERTIFICATION

Registered Professional Civil
Engineer, State of California,
License No. C59270
Obtained February 26, 1999

PERSONAL DETAILS

Address: P.O. Box 1235, Cardiff,
CA 92007

Tel : 858 354 7856

Email: johnbthayer@msn.com

Languages:

English – Fluent, Native Speaker.
French – Conversational.
German, Spanish – Basic
Speaking ability.

Computer Skills:

Proficient in Word, Excel,
PowerPoint, Bluebeam Revu

KEY EXPERIENCE & QUALIFICATIONS

Mr. Thayer has 27 years of experience as a civil engineer and Principal in engineering consulting, designing and planning infrastructure for wastewater treatment, water treatment, pumping, conveyance, storage, wells, and other water-related projects. His experience encompasses detailed civil and mechanical design of infrastructure and equipment, public agency engagement and interaction, project management, construction management, technical writing, marketing, business development, cost estimation, permitting, subcontractor/subconsultant management, proposal writing, and client service for capital improvement projects.

Mr. Thayer has experience managing specialty technical subdisciplines including structural, electrical, instrumentation, SCADA, geotechnical, corrosion/cathodic protection, site civil, mechanical piping and pumping, architectural, HVAC/plumbing, CEQA permitting, and surveying. He has interacted with many public agencies in his 27 years designing projects and serving municipal water and sewer districts.

PROFESSIONAL HISTORY

September 2024 to Present – President, Thayer Water, Inc., San Diego, California.: Civil and environmental engineering services for water, wastewater, and recycled water infrastructure.

2019 to 2024 – Principal Engineer, Murraysmith-Consor (Murraysmith, Inc. acquired by Consor Engineers in December 2020)

2017 to 2019 – Senior Project Manager, KEH & Associates, Inc. (company acquired by Gannett Fleming, Inc. in September 2018).

2015 to 2017 – Certified Project Manager, Arcadis, Inc., San Diego, California.

2012 TO 2015 – Wind Engineering Masters Student, Kiel University of Applied Sciences, Kiel, Germany (thesis research in Orléans, France).

2008 TO 2012 – Senior Engineer, RMC Water & Environment, Santa Monica, California.

2000 TO 2008 – Senior Engineer and Design Group Manager, Dudek, Inc., Encinitas, California.

1995 TO 2000 – Project Engineer, Malcolm Pirnie, Inc., Newport News, Virginia.

SOFT SKILLS

Active listening, mentoring engineers, people management, respect for diversity, negotiation, cultural awareness, bringing out the power of the team.

OUTSIDE INTERESTS

Exercise, reading, Latin music and dance, hiking, international travel, film, ocean swimming.

John B. Thayer, P.E.
President
Thayer Water, Inc.
Select Project Experience

P.O. Box 1235
Cardiff, CA 92007
E-mail: johnbthayer@msn.com
Tel. 858-354-7856

Water

Vallecitos Water District Coggan Pump Station Electrical Upgrades, San Marcos, CA (2025-2026)

Consultant Project Manager. Managing preliminary design for electrical upgrades to a 4,000-gpm water booster station. Project includes storage analysis, generator sizing, and planning for a new 900 kW generator, new automatic transfer switch, new MCCs, motor refurbishment for 450 Hp motors, and vertical turbine pump re-builds.

Vallecitos Water District Via Vera Cruz Reservoir Rockfall Evaluation, San Marcos, CA (2025-2026)

Consultant Project Manager. Managing conceptual design of rock netting solutions for controlling rockfall on an 80-feet-tall reservoir cut slope.

Vista Irrigation District Four Reservoirs Seismic and Structural Analysis, Vista, CA (2020)

Project Manager and Principal in Charge. Led and coordinated a team responsible for inspection, condition assessment and structural assessment of four existing circular concrete water reservoirs (including one prestressed reservoir). Analysis combined floating inspections and dry inspections, condition assessment, and structural findings to arrive at preferred reservoir upgrade and replacement alternatives. Provided reservoir improvement recommendations to Senior District Management and established a 10-year District-wide capital improvement program for reservoirs.

City of San Diego Miramar Water Treatment Plant, San Diego, CA. (June 2016-Sept 2017)

Construction Phase Project Manager. Coordinated team responsible for submittal review, design modifications, RFIs, and construction phase correspondence for a 215 MGD chlorine contact chamber, low lift vertical turbine pump station with installed pump horsepower of 800 Hp, treated water flow control/metering, and chemical feed and mixing system for aqua ammonia, caustic, and hydrofluorosilicic acid. Led and coordinated technical reviews for pumping equipment, large diameter valves, large diameter steel piping, concrete dimensions, stainless steel slide gates, electrical equipment, and associated electric motor actuators and instrumentation.

Wastewater

Vallecitos Water District Meadowlark Water Reclamation Facility Sodium Hypochlorite Conversion Design, Carlsbad, CA (2021-26):

Project Manager and Principal in Charge: Led design team for conversion design from chlorine gas to sodium hypochlorite feed at a 6.5 MGD tertiary wastewater treatment plant. Designed chemical containment canopy facility for storage and feed of sodium hypochlorite and polymer-alum blend to various chemical injection

points throughout the facility. Conducted field proof-of-concept testing to validate concept and evaluate total coliform removal using liquid hypochlorite. Coordinated subconsultant work for CEQA, structural, electrical, and geotechnical. Project construction began in July 2024. Reviewed construction phase submittals and prepared design field drawings for owner-furnished equipment. Construction is 80% complete as of January 2026, with startup anticipated in Summer 2026.

Vallecitos Water District Lake San Marcos Pump Station Hydraulic Capacity Study, San Marcos, CA (2025):

Project Manager and Principal in Charge: Performed field and office study to determine the hydraulic capacity of a 1,900-gpm nominal capacity sewer lift station built in the late 1990s. Ran pumps at different speeds alongside District operators, recording pressure and flow data. Performed analyses to determine the field-based pumping capacity of the pump station through the existing discharge force main. Analyzed peak wet-weather flow data from the last two years from extreme wintertime rainfall events to determine the design inlet peak wet-weather flow of the station. Made pump replacement and force main modification recommendations in summary report describing improvements to increase the hydraulic capacity of the pump station.

Vallecitos Water District Project Management Services for Wastewater Infrastructure, San Marcos, CA (2025-2026)

Consultant Project Manager. Managing projects and performing technical review services for wastewater infrastructure projects including:

- **Land Outfall Replacement:** Technical review for design of new piping to replace 1,500-lf of 30-inch VCP gravity sewer and 19,000-lf of 24-inch PVC and ductile iron sewer siphon piping.
- **Mission and Richland Sewer Basin Alternatives Analysis:** Technical review of capacity-up sizing alternatives study for approximately 8,000-lf of replacement sewer ranging in diameter from 12 inches to 24 inches.
- **Meadowlark Water Reclamation Facility Process Control Spreadsheets:** Developed process control spreadsheets for operators to make period adjustments to Solids Retention Time and dissolved oxygen setpoint for a 5.0-MGD municipal wastewater treatment plant.
- **Meadowlark Water Reclamation Facility RAS Valve Actuator Project:** Managed technical consultant preparing retrofit recommendations for a system of modulating telescoping valves used for RAS sludge withdrawal from six sedimentation basins.

City of Woodburn I-5 Pump Station and Force Main, Woodburn, OR (2020-2022).

Technical Lead. Design of a 6 MGD triplex submersible sewer pump station in a 40-foot deep, 15-foot diameter wet well. Project also included 6,000 feet of 12-inch and 16-inch ductile iron sewer force main in City streets. Construction was completed in 2023.

Secondary Clarifiers and Strainers Improvements, Encina Wastewater Authority, Carlsbad, CA (2018-2019).

Project Manager. Coordinated field condition assessment and preliminary design of the rehabilitation and equipment replacement for the eight secondary clarifiers and the 3W strainer system. Clarifiers 1 through 4 require new effluent launders and supports, effluent gates, influent gates, and additional internal rehabilitation, while Clarifiers 5 through 8 will require the highly corroded tank internals (energy diffuser inlets, feedwells, center drive mechanisms, rake arms, and scum removal equipment) to be replaced. These improvements are essential to preserving and prolonging the asset life of the secondary process at the Encina Water Pollution Control Facility (EWPCF). Work includes site investigations, condition assessment, preliminary design report preparation, sub coordination, project management, and meetings with the client.

As-needed Water Reclamation Engineering Design Services Task Order – RWCWRF Headworks Improvements, Otay Water District, Spring Valley, CA, (2018-2019).

Project Manager. Led project management and review services for structural and electrical engineering design of headworks modifications at the Ralph Chapman Water Reclamation Facility. Construction was completed in early 2019.

Wastewater Treatment Plant Master Plan, Otay Water District, Spring Valley, CA (2017).

Project Manager. Developed comprehensive treatment plant master plan that identified, described, and categorized required capital improvements at a 1.3-mgd tertiary wastewater plant. Work included development of drawings, a facilities plan report, and cost estimates for approximately 40 capital improvement plan (CIP) improvements throughout the plant pertaining to aeration systems, pumping systems, lighting, security systems, electrical, filtration, chemical feed, plant process water, fiber optic, electric motor actuation, supervisory control and data acquisition (SCADA), stormwater runoff, surge control, variable frequency drives (VFD), detention basin improvements, and piping modifications.

Gafner Water Reclamation Facility Expansion, Leucadia Wastewater District, Carlsbad, California (2001)

Project Manager. Design of 1.0-mgd (3785 m³/day) expansion of a tertiary recycled water production plant. Design of influent pumping facilities, continuous backwash sand filters, chlorine contact basin, a microfiltration/reverse osmosis membrane system for TDS removal, a clarifier bypass, and a new 2.0-mgd (7571 m³/day) vertical turbine recycled water pump station. Project plans consisted of 200 engineering drawings.

Recycled Water

City of Los Angeles Recycled Water Master Plan, Los Angeles Department of Water and Power, Los Angeles, California (2009-2012)

Technical Lead. Developed advanced tertiary wastewater treatment (microfiltration/reverse osmosis/advanced oxidation) design alternatives to maximize recycled water production at the Hyperion, Los Angeles-Glendale, and Terminal Island Treatment Plants. These project concepts prepare the City to maximize reuse to 250,000 acre-feet per year (842500 m³/day) within a 30-year planning horizon. Prepared technical reports and documents detailing design concepts and findings. Prepared alternatives analysis and pre-design for a 10 mgd (37854 m³/day) tertiary treatment system at Hyperion Treatment Plant. Prepared long-term facilities plan for expanding Terminal Island Treatment Plant for increased recycled water deliveries to the Dominguez Gap Barrier. Presented findings at meetings with Los Angeles Bureau of Engineering, Bureau of Sanitation, and Department of Water and Power.

Project Award

2025 Engineering Achievement Award, California Water Environment Association, San Diego Section: Vallecitos Water District, Meadowlark Water Reclamation Facility, Tertiary Disinfection Plant Upgrade. John was the Engineer of Record for the design of the new sodium hypochlorite storage and feed facilities at the Meadowlark Treatment Plant. [awarded January 2026]

References from municipal water and wastewater agencies and from engineering consulting firms are available upon request.

References

John B. Thayer, P.E.

1. Marissa Padilla
Capital Facilities Engineer
Vallecitos Water District
San Marcos, CA
tel.: 760-744-0460, ext. 161
e-mail: mpadilla@vwd.org
2. Alison Fisher
Capital Facilities Assistant Engineer
Vallecitos Water District
San Marcos, CA
tel.: 760-744-0460, ext. 251
e-mail: afisher@vwd.org
3. Heather Burns, P.E.
Senior Engineer
Consor Engineers
Tacoma, WA
tel.: 253-830-2110
e-mail: heather.burns@consoreng.com
4. Greg Keppler, P.E., QSD
Engineering Project Manager
Vista Irrigation District
Vista, CA
tel.: 760-597-3100
e-mail: gkeppler@vidwater.org
5. Tom Falk, P.E., P.M.P.
Deputy General Manager
San Elijo Joint Powers Authority
Cardiff, CA
tel.: 760-753-6203
e-mail: falkt@sejpa.org
6. Adam Schuyler, P.E., P.M.P.
Senior Vice President
Consor Engineers
Seattle, WA
tel. 206-462-7030
e-mail: adam.schuyler@consoreng.com

ATTACHMENT B



Rate Sheet – April 2026

Thayer Water, Inc. was founded in September 2024. John Thayer is the only employee so far. Hourly rates are as follows:

Rates for Individual Project Task Orders and Project-Specific Contracts		
	Principal PM	\$235 per hour
	Technical Lead	\$190 per hour
Rates for Staff Augmentation Assignments – See Note 1		
	Senior Engineer (12-20 hours/week)	\$180 per hour
	Associate Engineer (greater than 20 hours/week)	\$170 per hour

Notes:

1. Staff augmentation assignments are minimum 60 calendar-day commitments in which John Thayer works at agency facilities for a minimum of 12 hours per week with no individual task orders or project-specific contracts. Weekly hours are established by discussion and agreement with agency management.
2. Specialty engineering subconsultant markup: 10 percent
3. Subcontracted CAD/Drafting services markup: 15 percent
4. Mileage for Individual Project Task Orders: IRS mileage rate
5. No mileage charge for commute miles from home to agency facilities in North San Diego County as part of staff augmentation assignments.
6. Markup for mailing, reproduction, project-specific expenses and supplies: 5 percent

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Deputy General Manager

SUBJECT: PROJECT MANAGEMENT AND ENGINEERING SERVICES FOR LOMAS
SANTA FE BOOSTER PUMP STATION REHABILITATION

RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the General Manager to execute Professional Services Agreement with Scheidel Engineering in an amount not-to-exceed \$82,054 for project management and engineering services for the Lomas Santa Fe Booster Pump Station Rehabilitation Project; and
2. Discuss and take action as appropriate.

BACKGROUND

The Lomas Santa Fe Booster Pump Station (LSF BPS), located in Solana Beach, was constructed in 2000 as a packaged pump station manufactured by SyncroFlo. The station draws recycled water from the Lomas Santa Fe Reservoir and pressurizes a localized distribution zone serving the Lomas Santa Fe Country Club and St. Francis Court landscaping. The station includes three primary booster pumps and a smaller jockey pump.

As part of SEJPA's facility planning, Black & Veatch conducted a condition assessment of the station and recommended targeted rehabilitation rather than wholesale replacement. The major mechanical components were found to be in generally good condition considering approximately 25 years of service, with rehabilitation focused on rebuilding the pumps and replacing selected piping, valves, gauges, and other worn components.

More substantial modernization is required for the original electrical and control system. The programmable logic controller (PLC), variable frequency drive (VFD), and other electrical and control components are beyond their typical service life, with several components now obsolete. The existing packaged panel also houses 480-volt motor control equipment and low-voltage control hardware within a common enclosure, which does not meet SEJPA's current standards for electrical safety and maintainability. Furthermore, the station also relies on a single common

VFD to operate all three primary pumps, creating a single point of failure. The VFD has failed twice previously, resulting in loss of station operation and interruption of recycled water service.

Following the condition assessment by Black & Veatch, SEJPA tasked Scheidel Engineering under an as-needed professional services agreement to perform preliminary engineering, including station evaluation, comparison of rehabilitation alternatives, and investigation of equipment availability. This work helped SEJPA confirm the rehabilitation scope and establish the proposed project delivery strategy.

DISCUSSION

Based on the Facility Plan recommendations and subsequent preliminary engineering, SEJPA staff recommends rehabilitation of the pump station through three coordinated work efforts:

1. **Electrical and Control Equipment Pre-Procurement.** Competitively procure the new electrical and control panels directly from a qualified system integrator. The new equipment will replace the existing packaged panel with separate electrical and control enclosures, a modern PLC, individual VFDs for each pump, and contemporary motor protection devices and control hardware.
2. **Installation Design and Construction.** Prepare final design and competitive construction bid documents for installation of the pre-procured electrical and control equipment, including required electrical, instrumentation, mechanical, and site modifications. Incorporating the selected system integrator's equipment into the final design will provide clear equipment interfaces and installation requirements for the construction contractor.
3. **Pump Rebuilds.** Competitively procure pump services for the inspection and rebuilding of the three existing booster pumps through a performance-based equipment specification. The work will include disassembly and inspection of the pumps, identification of required repairs and replacement components, refurbishment, reassembly, and testing to restore equipment condition and performance.

SEJPA requested that Scheidel Engineering provide engineering and project management services to implement the three coordinated work efforts. Scheidel will develop and administer the required procurement and construction documents, coordinate the system integrator and eventual construction contractor, and provide engineering oversight through equipment procurement, final design, construction, startup, and commissioning.

This project delivery approach allows SEJPA to competitively procure the major equipment and pump rehabilitation services while maintaining coordinated engineering oversight throughout the Project. Pre-procurement of the electrical and control equipment establishes SEJPA's equipment and performance requirements early, allows final installation documents to be developed around the selected equipment, and enables fabrication to proceed in parallel with final design. This approach reduces equipment interface and constructability risks and minimizes potential construction delays associated with long-lead equipment.

The proposed professional services agreement is consistent with SEJPA's Purchasing Policies and Procedures, Resolution No. 2022-01. Paragraph 2.6.h provides an exception from competitive quotation requirements for professional services contracts.

Retaining Scheidel Engineering is in SEJPA's best interest for this relatively small and specialized rehabilitation project. Through its preliminary engineering work, Scheidel has

developed detailed knowledge of the existing station, its operational limitations, and SEJPA's rehabilitation strategy. Continuing with Scheidel avoids duplication of engineering effort, maintains project momentum, and provides technical continuity through procurement, design, construction, and commissioning.

FISCAL IMPACT

Scheidel Engineering has proposed a not-to-exceed fee of \$82,054 for the professional engineering and project management services described above.

Funding for the Lomas Santa Fe Booster Pump Station Rehabilitation Project is included in SEJPA's approved Recycled Water Capital Improvement Program. This project was included in the Cost of Service Study with an anticipated project budget of \$750,000. Sufficient funding is available for this professional services agreement.

RECOMMENDATION

It is therefore recommended that the Board of Directors:

1. Authorize the General Manager to execute Professional Services Agreement with Scheidel Engineering in an amount not-to-exceed \$82,054 for project management and engineering services for the Lomas Santa Fe Booster Pump Station Rehabilitation Project; and
2. Discuss and take action as appropriate.

Respectfully submitted,



Thomas C. Falk, P.E., PMP
Deputy General Manager

Attachment 1: Proposal – Scheidel Engineering, Inc.

September 8, 2026

Tom Falk, PE, PMP
San Elijo Joint Powers Authority
2695 Manchester Avenue
Cardiff by the Sea, CA 92007

Subject: Lomas Santa Fe Booster Pump Station Electrical and Controls Upgrade Project

Dear Mr. Falk:

Thank you for the opportunity to be of continued service to the San Elijo Joint Powers Authority (SEJPA). As requested by SEJPA, Scheidel Engineering is providing the following proposal for engineering design services associated with the replacement and modernization of the electrical, variable frequency drive (VFD), control, and instrumentation systems at the Lomas Santa Fe Booster Pump Station (LSFBPS). The existing electrical and control systems, originally furnished as part of the packaged SyncroFlo pump station in approximately 2001, are now approximately 25 years old and contain obsolete and aging components that are increasingly difficult to maintain and support. The existing packaged control system does not meet current SEJPA standards for critical pump station electrical systems, controls, instrumentation, and SCADA integration.

As identified during the preliminary engineering phase, the project will retain the existing pumps, motors, and mechanical piping while replacing the electrical and controls infrastructure. To reduce implementation and schedule risk associated with long-lead electrical and control equipment, the project is being delivered in two phases. Phase 1 includes engineering, competitive procurement, detailed equipment design, fabrication, testing, and delivery of the new VFD and control panel package. Phase 2 includes preparation of plans and specifications for installation, integration, testing, and commissioning of the pre-procured equipment. A portion of the preliminary engineering and draft equipment procurement package for Phase 1 was developed as part of the preliminary engineering effort. This proposal addresses the remaining Phase 1 services including finalization of the procurement documents, competitive procurement support, and post-award manufacturing support, as well as all Phase 2 design services and public bidding support. Construction-phase engineering services are not included in this scope of work and will be negotiated and authorized separately.

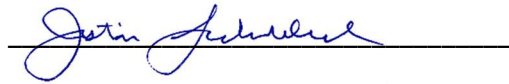
Assumptions:

- *Coordination of work effort will be completed through SEJPA's Deputy General Manager or the assigned Project Manager.*
 - *Work will be billed on a time and materials basis utilizing Scheidel Engineering's 2026 Standard Schedule of Charges.*
 - *Existing pumps, motors, and mechanical piping will be retained; the project scope is limited to electrical, controls, instrumentation, and associated systems.*
 - *Construction-phase engineering services are excluded from this scope of work and will be negotiated and authorized separately prior to construction.*
-

- *The proposed fee includes three (3) site visits by Wright Engineering, billed as a per-visit expense. If all three site visits are not utilized, the total fee will be reduced accordingly.*
- *SEJPA will be responsible for formal advertisement, receipt of bids, contracting, and other administrative procurement functions.*

We truly appreciate the opportunity to be of continued service to SEJPA. If you have any questions or concerns regarding our proposal, please do not hesitate to call or email me at your convenience at 760-846-5089 or justin@scheideleng.com.

Sincerely,



Justin Scheidel, PE
Principal
Scheidel Engineering
140 Lomas Santa Fe Drive, Ste 202
Solana Beach, CA 92075

1 Scope of Services

TASK 1 PROJECT MANAGEMENT

As part of this task, Scheidel Engineering will conduct overall management of the project including invoicing, progress reports, schedule updates, staff management, subconsultant coordination, and internal QA/QC. Scheidel Engineering will serve as the prime consultant and single point of contact with SEJPA for all project-related coordination and communications. Scheidel Engineering will oversee Wright Engineering's EIC design effort, coordinate and compile all project submittals into packaged deliverables for SEJPA review, and lead delivery of the final contract documents.

TASK 2 PHASE 1: PROCUREMENT AND MANUFACTURING SUPPORT

During the preliminary engineering phase, Wright Engineering, under Scheidel Engineering's direction, completed the preliminary engineering and developed the draft equipment procurement package for the LSFBS control panel replacement. This included field investigations to document existing electrical, controls, instrumentation, and equipment interfaces, confirmation of existing motor characteristics and electrical loads, development of the control panel scope of work and technical specifications, and preparation of electrical schematics and single-line diagrams. SEJPA has completed a preliminary review of the draft procurement documents. The following scope addresses the remaining Phase 1 services.

Procurement Document Finalization

Scheidel Engineering will coordinate with SEJPA to complete an in-depth review of the draft procurement documents, including the control panel scope of work, technical specifications, and Request for Proposal (RFP). Any revisions required by SEJPA will be incorporated into the final procurement package prior to posting for competitive bid through PlanetBids.

Procurement Support

Following issuance of the RFP, Scheidel Engineering will assist SEJPA through competitive procurement of the control panel package, including:

- Responding to proposer technical questions and requests for clarification
- Preparing technical addenda as required
- Reviewing proposals for technical compliance with the procurement documents and technical specifications
- Assisting SEJPA with evaluation of proposed equipment substitutions, exceptions, and qualifications
- Providing a technical recommendation regarding award

Equipment Design, Submittals, and Manufacturing Support

Following award of the equipment procurement contract, Scheidel Engineering will serve as SEJPA's technical lead during detailed equipment design, fabrication, and delivery. Services will include:

- Conducting equipment design coordination meetings with SEJPA and equipment supplier
- Reviewing shop drawings, product data, control diagrams, wiring diagrams, panel layouts, equipment schedules, and other required submittals
- Coordinating detailed equipment design with existing facility conditions and the anticipated Phase 2 installation
- Participating in Factory Acceptance Testing (FAT) and documenting deficiencies requiring correction prior to shipment
- Maintaining a record of final approved equipment submittals to be incorporated into the Phase 2 construction documents
- Reviewing PLC/HMI architecture, control narratives, communications interfaces, alarm configuration, and SCADA integration requirements
- Reviewing equipment supplier responses to comments and confirming resolution of technical issues
- Monitoring equipment fabrication progress and schedule
- Coordinating equipment delivery requirements with SEJPA

TASK 3 PHASE 2: INSTALLATION DESIGN AND CONSTRUCTION BID DOCUMENTS

Scheidel Engineering will prepare the construction plans and technical specifications for installation and integration of the pre-procured VFD and local control panel (LCP) equipment. Scheidel Engineering will provide engineering oversight, coordinate design review meetings with SEJPA, and compile and deliver all design submittals.

Detailed Design

Scheidel Engineering will prepare construction drawings and technical specifications. The design will retain the existing pumps, motors, and mechanical piping except for incidental modifications necessary to accommodate the electrical and controls improvements. The construction documents will include, as applicable:

- Existing conditions and demolition plans
- Electrical site and equipment plans
- Coordination requirements between the installation contractor, equipment supplier, SEJPA, SCADA integrator, and other parties
- Testing, startup, and commissioning requirements
- Process and Instrumentation Diagram(s) (P&IDs)
- PLC, communications, and SCADA interface requirements
- Integration of the pre-procured VFD/control package into the existing pump station
- Panel and equipment schedules

- Electrical single-line diagrams
- Conduit and wire schedules
- Electrical and instrument details
- Grounding and bonding requirements

Scheidel engineering will also develop a specification to rehabilitate the pumps and motors of Pumps 2 and 3. Rehabilitation efforts will mirror the recent rehabilitation work completed for Pump No. 1, and will generally include rehabilitation and recoating of the pump bowls, replacement of all bearings and seals, inspection and replacement of impellers as required, and rehabilitation of the electrical motors including reconditioning of the windings. Based on this specification, Scheidel Engineering will solicit rehabilitation quotes from multiple pump companies for SEJPA's consideration. This rehabilitation effort may be completed either before or after the installation of the proposed electrical improvements.

Construction Sequencing and Temporary Facilities

Because the LSFBS must remain operational during implementation, construction sequencing and temporary operating requirements will be developed to maintain required pumping service during replacement of the existing electrical and control systems. This will include:

- Development of specifications requiring detailed contractor shutdown and sequencing plans for SEJPA review prior to implementation
- Establishment of requirements for temporary electrical power, controls, bypass pumping, temporary panels, manual operation, or other interim facilities as necessary to maintain service
- Identification of allowable shutdown durations and required advance coordination with SEJPA Operations
- Evaluation of feasible sequencing for removal and replacement of existing equipment

The design will emphasize minimizing facility outages and reducing the risk of loss of pumping capability during cutover and commissioning.

Construction Bid Documents

Complete plans and technical specifications will be prepared suitable for competitive bidding as a public works construction project. The final approved pre-procured equipment package will be incorporated into the construction documents with clearly established contractor responsibilities for receipt, storage, installation, wiring, integration, testing, startup, and commissioning of Owner-furnished equipment. Design submittals will be provided at approximately the 60%, 90%, and Final design stages. Each design submittal will include plans, specifications, an updated construction cost estimate, and an updated project schedule appropriate to the level of design. Design review meetings will be conducted with SEJPA staff, and SEJPA comments will be incorporated into subsequent submittals.

TASK 4 PUBLIC BIDDING SUPPORT

Scheidel Engineering will provide technical support to SEJPA during public bidding of the Phase 2 construction contract. Services will include attending a pre-bid meeting and/or site walk if requested, responding to bidder technical questions and requests for information, preparing technical clarifications and addenda, reviewing proposed substitutions and requests for approved equals, assisting SEJPA in evaluating bids for technical completeness and conformance with the construction documents, and providing a recommendation regarding technical responsiveness as requested.

ESTIMATED FEE

The following fee estimate summarizes the fees for the project and depicts labor category, hourly rate, number of hours, sub-consultant fees, and the total fee amount for each task. Scheidel Engineering proposes a total not-to-exceed fee of \$82,054 based on the anticipated level of effort required.

		Labor Hours and Rates			Subconsultant			
		Project Team Role:	Project Manager	Senior Engineer	TOTAL	LABOR	Electrical Engineer	OTHER DIRECT COSTS
		Team Member:	J. Scheidel	T. Eckermann			Wright Engineering	
		Billable Rate :	\$225	\$200	HOURS	COSTS	Fee	TOTAL FEE
Task 1	Equipment Pre-Procurement							
1.1	Project Management and Preliminary Engineering		8	4	12	\$ 2,600	\$2,951	\$ 3,060
1.2	Equipment Procurement Package		2	4	6	\$ 1,250	\$5,891	
1.3	Procurement Support		2	4	6	\$ 1,250	\$4,799	
1.4	Equipment Design, Submittals and Manufacturing Support		2	4	6	\$ 1,250	\$3,938	
	Subtotal Task 1		14	16	30	\$ 6,350	\$ 17,577	\$ 3,060
Task 2	Installation Design and Public Works Bid Package							
2.1	Detailed Design		6	16	22	\$ 4,550	\$25,169	
2.2	Construction Sequencing and Temporary Facilities		4	16	20	\$ 4,100	\$4,064	
2.3	Construction Bid Document Development		8	16	24	\$ 5,000	\$3,938	
	Subtotal Task 2		18	48	66	\$ 13,650	\$ 33,170	\$ -
Task 3	Public Bidding Support							
3.1	Public Bidding Support		2	4	6	\$ 1,250	\$3,938	\$ 3,060
	Subtotal Task 3		2	4	6	\$ 1,250	\$ 3,938	\$ 3,060
Total Non-Optional Hours and Fee			34	68	102	\$ 21,250	\$ 54,684	\$ 6,120
								\$ 82,054

2026 STANDARD SCHEDULE OF CHARGES

Engineering Services

Principal Engineer	\$225/hr
Project Manager	\$210/hr
Senior Engineer	\$200/hr
Project Engineer	\$175/hr
Engineering Assistant	\$125/hr
Senior Designer	\$155/hr
Designer	\$140/hr
Drafter	\$125/hr

Construction Management Services

Principal Manager	\$210/hr
Senior Manager	\$190/hr
Construction Manager	\$170/hr
Resident Engineer	\$160/hr
Construction Engineer	\$150/hr
Prevailing Inspector	\$170/hr
Inspector	\$130/hr
Administration	\$115/hr

Environmental Services

Project Director	\$200/hr
Project Manager	\$190/hr
Senior Specialist	\$155/hr
Specialist	\$145/hr
Analyst	\$135/hr
Technician	\$105/hr

Material and Outside Services - Subcontractors, rental and special equipment, special reproductions and blueprinting, etc. are charged at 1.10 times direct cost.

Emergency and Holidays - Minimum charge of two hours will be billed at 1.75 times the normal rate.

Annual Increases - unless identified otherwise, these standard rates will increase 3% annually.

Travel Expenses - Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: NOTICE OF EMERGENCY SITUATION AND AWARD OF CONSTRUCTION
CONTRACT FOR REPAIRS TO RECYCLED WATER PIPELINE LATERAL ON
SAXONY ROAD IN ENCINITAS

RECOMMENDATION

It is recommended that the Board of Directors:

1. Review and Confirm this Emergency Condition pursuant to San Elijo Joint Powers Authority's Resolution 2022-01 "Purchasing Policies and Procedures" and Public Contract Code 22050, and ratify the General Manager's execution of an emergency repair agreement with Burtech Pipeline for repairs to buried recycled water pipeline lateral on Saxony Road; and
2. Discuss and take action as appropriate.

BACKGROUND

On September 8, 2026, at approximately 11:00 a.m., staff was notified of water surfacing through the asphalt pavement above a buried recycled water lateral at approximately 171 Saxony Road in Encinitas. Staff promptly investigated and conferred with both the City of Encinitas' Engineering Department and San Dieguito Water District. Staff determined the leak to be limited in magnitude but requiring prompt repair due to its location within a public street and uncertainty regarding the integrity of the buried lateral connection. Burtech Pipeline was contacted at approximately 12:00 p.m. to request support.

When situations such as this arise, immediate attention and action are necessary for the protection of personnel and property. Such work is commonly completed under the Emergency Work provisions of SEJPA's Resolution 2022-01 "Purchasing Policies and Procedures", Part 3.1.d which states:

The General Manager is authorized to purchase and enter into contracts for urgent maintenance and for necessary equipment, services and supplies in the case of an emergency, without giving notice for bids and in any necessary amount. Urgent sewer maintenance or repair work is work that is required as a result of a physical condition which threatens public health or safety or the environment and requires immediate remedial action to mitigate said threat. Following the

exercise of this authority, the General Manager or designee shall follow the procedures required by Section 22050 of the Public Contract Code.

Section 22050 of the Public Contract Code (PCC) stipulates requirements for reporting the action to the governing Board

22050, Paragraph (c)(1) ...[following action by General Manager under authority delegated in SEJPA's Procurement Policy]...the governing body shall initially review the emergency action not later than seven days after the action, or at its next regularly scheduled meeting if that meeting will occur not later than 14 days after the action, and at least at every regularly scheduled meeting thereafter until the action is terminated, to determine, by a four-fifths vote, that there is a need to continue the action, unless ...[General Manager as delegated authority]...has terminated that action prior to the governing body reviewing the emergency action and making a determination pursuant to this subdivision. If the governing body meets weekly, it may, after the initial review, review the emergency action in accordance with this paragraph every 14 days.

DISCUSSION

Immediate action was required to protect public infrastructure and the environment and minimize service interruptions to recycled water customers. Under SEJPA's Resolution 2022-01 and PCC 22050, the General Manager authorized emergency repairs without competitive bidding. This authority allows for urgent maintenance and repair contracts as necessary to address conditions that threaten public health, safety, or the environment.

Burtech is submitting documentation to secure a Construction Public Right-of-Way (PROW) permit from the City of Encinitas and preparing a crew to excavate, dewater the trench and repair the damaged pipeline in an expeditious manner. The work in the public street will be completed to the City's standards including pavement restoration. Once all work is completed, SEJPA will reconcile time and materials charges with Burtech and close out the emergency declaration.

FINANCIAL IMPACT

The cost of the emergency repairs will be funded through the Recycled Water Program's operating reserves. The recommended contract with Burtech Pipeline for this work is for an amount not to exceed \$50,000, pending final accounting of charges.

RECOMMENDATION

It is recommended that the Board of Directors:

1. Review and Confirm this Emergency Condition pursuant to San Elijo Joint Powers Authority's Resolution 2022-01 "Purchasing Policies and Procedures" and Public Contract Code 22050, and ratify the General Manager's execution of an emergency repair agreement with Burtech Pipeline for repairs to buried recycled water pipeline lateral on Saxony Road;
2. Discuss and take action as appropriate.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "M. Thornton", written over a horizontal line.

Michael T. Thornton, P.E.
General Manager

Attachment 1: Technical Services Agreement – Burtech Pipeline, September 9, 2026

**TECHNICAL SERVICES AGREEMENT
BETWEEN SAN ELIJO JOINT POWERS AUTHORITY
AND BURTECH PIPELINE
FOR RECYCLED WATER PIPELINE (@ 171 SAXONY) EMERGENCY REPAIRS**

RECITALS

- A. This Technical Service Agreement ("Agreement") is made and entered into this 9th day of September, 2026 ("Effective Date"), by and between the SAN ELIJO JOINT POWERS AUTHORITY ("SEJPA") and BURTECH PIPELINE, ("CONTRACTOR"), an independent contractor, with a principal place of business at 1325 Pipeline Drive, Vista, CA 92081.
- B. CONTRACTOR has submitted to SEJPA a proposal to provide emergency repair services for the Recycled Water Pipeline at 171 Saxony Road, Encinitas, CA, 92024. SEJPA has been determined that it is in the best interests of SEJPA to enter into the Agreement hereinafter contained.
- C. In consideration of the mutual promises, conditions and covenants herein contained, the parties hereto agree to the terms and conditions set forth in this Agreement.

AGREEMENT

SECTION 1 SCOPE OF WORK

A. CONTRACTOR shall provide labor and services to complete the Scope of Work specified in **Attachment A** to this Agreement. CONTRACTOR shall furnish all materials, equipment, supplies and incidentals necessary to perform the work, except those which are expressly designated to be furnished by SEJPA. All work performed and materials supplied in the execution of this Agreement shall comply with applicable laws, standards, codes and regulations governing such materials, items and work. All material is guaranteed to be as specified in the Scope of Work. Any alteration or deviation from the specifications, which involve extra costs, must be approved by SEJPA in advance.

B. CONTRACTOR represents that it is skilled in the technical expertise necessary to provide the services required under this Agreement. CONTRACTOR shall be licensed under the classification of Class A as the date of this Agreement and shall maintain such license until final completion and acceptance of the work specified in the Agreement. CONTRACTOR agrees to perform its work hereunder in a competent manner acceptable to SEJPA and in conformity with the requirements of this Agreement. CONTRACTOR will employ only competent workers to complete the work under this Agreement.

C. CONTRACTOR shall secure and maintain in good standing for the term of this Agreement any and all permits, licenses and certifications required to perform the Scope of Work. CONTRACTOR shall provide proof of any such permits and licensure upon request by SEJPA.

SECTION 2 TIME OF PERFORMANCE

A. CONTRACTOR agrees to complete said work by September 18, 2026 to the entire satisfaction of SEJPA before final payment is made. Time is of the essence. The time for performance of any work under this Agreement may be extended, or suspended, in the reasonable discretion of SEJPA, based on unavoidable disruption of work due to strikes, lockouts, government acts, epidemics/pandemics, acts of God and other similar conditions shown by CONTRACTOR to be beyond the control of CONTRACTOR.

SECTION 3 COMPENSATION

A. Compensation for all of the labor, equipment, material and services which CONTRACTOR is obligated to perform under the terms and conditions of this Agreement, including all applicable taxes, shall not exceed Fifty Thousand dollars (\$50,000), charged on time and materials basis in accordance with rates defined in Attachment A; CONTRACTOR shall notify SEJPA if efforts are projected to exceed this amount. SEJPA shall make payments to CONTRACTOR in response to duly submitted invoices in accordance with this Section.

B. Prepayments will not be made, at any time, during the execution of this Agreement. CONTRACTOR shall submit monthly invoices to SEJPA for payments. Such invoices shall represent the value of the items delivered or services provided during the billing period. Such invoices shall be prepared in such form and supported by documentation as SEJPA may reasonably require including a brief narrative description of the work performed.

C. Payment shall be made by SEJPA to CONTRACTOR within forty-five (45) days of receipt of an approved invoice. The amount of this payment will be less any amounts previously paid on the account.

D. SEJPA shall review each invoice as soon as practicable after receipt for the purpose of determining whether the invoice should be approved as a proper payment request. SEJPA shall return to CONTRACTOR any invoice determined not to be a proper payment request as soon as practicable. The returned payment request shall include a written explanation setting forth the reasons why the payment request is not proper, and a proposed revised invoice amount, if any, that SEJPA believes to be the proper amount.

E. If CONTRACTOR accepts the proposed revised invoice prepared by SEJPA, CONTRACTOR shall provide written notification to SEJPA's designated representative that CONTRACTOR accepts the proposed revised invoice, and the revised invoice shall be deemed received on the same business day CONTRACTOR's written notification is received. SEJPA shall thereafter have 45 days to make payment on the revised invoice.

F. All invoices shall be made in writing and must be delivered via email to apsejpa@sejpa.org. All payments shall be delivered U.S. mail to the address below:

Payment mailing address:

San Elijo Joint Powers Authority, Attention: Accounts Payable

P.O. Box 1077

Cardiff by the Sea, CA 92007

SECTION 4 TERM AND TERMINATION

A. The Agreement period will continue until CONTRACTOR's completion of the Scope of Work attached hereto as "**Attachment A**" and expiration of the warranty of work. CONTRACTOR's indemnification, hold harmless and defense obligation shall survive the termination or expiration of this Agreement.

B. SEJPA may cancel this Agreement at any time with no less than ten (10) days' prior written notice. CONTRACTOR shall discontinue all affected work on the indicated date of termination.

C. The time for performance of any work under this Agreement may be extended, at SEJPA's discretion, based on unavoidable disruption of work due to strikes, lockouts, government acts, pandemics/epidemics, acts of God and other similar conditions shown by CONTRACTOR to be beyond the control of CONTRACTOR.

SECTION 5 LEGAL RELATIONS

A. CONTRACTOR is for all purposes an independent contractor. All personnel provided by CONTRACTOR pursuant to this Agreement are to be employed by CONTRACTOR, or its subcontractors, for their account only. Neither CONTRACTOR, its employees nor subcontractors, shall be deemed to have been employees of SEJPA or to have been entitled to any rights or benefits as SEJPA employees. CONTRACTOR certifies that it is free from the control and direction of SEJPA in connection with the performance of the work. CONTRACTOR will supervise the work and control the means for accomplishment of the services and work to be performed hereunder. CONTRACTOR will be responsible for providing required and necessary protective gear for its personnel, including any subcontractor personnel, while on the job site, including safety equipment. No permitted or required approval by SEJPA of personnel, costs, schedules, documents or services of CONTRACTOR shall be construed as making SEJPA responsible for the manner in which CONTRACTOR performs its services. Such approvals are intended to give SEJPA the right to satisfy itself with the quality of work performed by CONTRACTOR. CONTRACTOR further certifies that it is customarily engaged in an independently established trade, occupation, or business of the same nature as that involved in the work performed under this Agreement. This Agreement is not exclusive, and as such CONTRACTOR certifies that it is free to perform work for others for the duration of this Agreement.

B. CONTRACTOR agrees to indemnify, defend, protect, and hold SEJPA, its Member Agencies (the City of Solana Beach and the City of Encinitas), and each of their respective officers, officials, directors, agents, employees, and volunteers (collectively, "Indemnified Parties") harmless from and against any and all liability, claims, demands, damages, loss, charge, civil fines or penalties, liens, actions and causes of action, including reasonable attorney's fees, costs and expenses (collectively, "Claims"), arising out of the negligent acts, errors, omissions or willful misconduct of CONTRACTOR, its associates, employees, subcontractors or other agents in the performance of this Agreement or out of operations conducted by CONTRACTOR. CONTRACTOR shall not be required to defend, indemnify or hold harmless Indemnified Parties

for Claims to the extent attributable to the sole negligence, active negligence or willful misconduct of Indemnified Parties. The indemnification, hold harmless and defense obligations set forth herein shall survive the termination or expiration of this Agreement.

SECTION 6 INSURANCE.

A. CONTRACTOR shall procure and maintain during the term of this Agreement all insurance required by federal, state, county and local laws, and such other and additional coverage adequate to protect CONTRACTOR and SEJPA from any liabilities and claims for injuries and damages to persons or property which may arise from, or in connection with, the performance of work hereunder by CONTRACTOR, its agents, representatives, employees or subcontractors. Specifically, CONTRACTOR and each of its subcontractors shall maintain throughout the term of this Agreement the following policies of insurance:

1. A general liability policy of insurance, including coverage for products and completed operations, bodily injury and/or death, personal and advertising injury, and property damage claims which may arise from or in connection with the performance of the work under this Agreement by CONTRACTOR and its subcontractors, and each of their agents, representatives, or employees. General Liability insurance shall be comprehensive in form and shall be on a "per occurrence" basis in a minimum amount of Three Million Dollars (\$3,000,000) per occurrence. Such coverage shall be written on Insurance Services Office ("ISO") Form CG 00 01, or equivalent.
2. An automobile liability policy of insurance to cover claims, injury, death, loss or damage, accidents from the use or operation of any automobiles, trucks and/or other mobile or stationary equipment, whether owned, non-owned or hire. Auto coverage shall be issued with a limit no less than One Million Dollars (\$1,000,000) per accident for bodily injury and property damage.
3. Workers' compensation insurance with limits no less than the statutory limits.

B. All policies of insurance required under this Section shall be from insurance providers who are either admitted or licensed to do business in California, or are Surplus Lines Carriers authorized to do business in California, and who have an A.M. Best Company rating of no less than A- and a financial size category of at least Class VII, unless otherwise acceptable to SEJPA.

C. All policies of insurance required under this Section, except for workers' compensation, shall be endorsed to name SEJPA, its member agencies the City of Solana Beach and City of Encinitas, and their directors, officers, employees and representatives (the "Additional Insureds") as additional insureds under each such policy and an additional insured endorsement at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10 and CG 20 37, if later revisions are used, shall be provided to SEJPA.

D. CONTRACTOR shall provide duly-authorized and, as applicable, executed original certificates and endorsements for all insurance required pursuant to this Agreement on forms

approved by SEJPA in conformity with all requirements of this Agreement prior to commencement of any work hereunder. If any of the required coverages expire during the term of this Agreement, CONTRACTOR shall deliver renewal certificates to SEJPA at least ten (10) days prior to the expiration date.

E. For any claims related to this Agreement, CONTRACTOR's insurance coverage shall be primary insurance as respects the Additional Insureds. Any insurance or self-insurance maintained by the Additional Insureds shall be excess of the CONTRACTOR's (and its subcontractor's) insurance, and shall not contribute to such insurance.

F. Any deductibles or self-insured retentions must be declared in writing and approved by SEJPA. At the option of SEJPA, either: the insurance provider(s) shall reduce or eliminate such deductibles or self-insured retentions as respects SEJPA and its directors, officers, employees, and representatives; or the CONTRACTOR shall provide a financial guarantee satisfactory to SEJPA guaranteeing payment of losses and related investigations, claim administration and defense expenses.

G. CONTRACTOR hereby agrees to waive rights of subrogation against SEJPA and the Additional Insureds which any of CONTRACTOR's insurers may acquire from CONTRACTOR by virtue of the payment of any loss. CONTRACTOR agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation.

H. CONTRACTOR shall provide thirty (30) days' advance written notice to SEJPA, of any cancellation or material alteration of any insurance policy required herein.

SECTION 7 ASSIGNMENTS/SUBCONTRACTS

CONTRACTOR shall not sublet or assign any of the work covered by this Agreement, except with the prior written approval of SEJPA and in strict compliance with the terms, provisions and conditions of this Agreement.

SECTION 8 CONTRACTOR'S PROJECT MANAGER

CONTRACTOR's designated project manager, Erick Garcia, shall be empowered to act for CONTRACTOR for all matters relating to this Agreement.

SECTION 9 SEJPA REPRESENTATIVE

SEJPA's designated representative, Tom Falk, PE, Deputy General Manager, will administer this Agreement.

SECTION 10 FREEDOM OF INFORMATION

SEJPA shall make freely available to CONTRACTOR for examination all non-privileged directly pertinent books, documents, papers and records of SEJPA involving transactions related to this Agreement. CONTRACTOR understands that information provided to SEJPA pursuant to this contract may become a public record and subject to disclosure pursuant to the California Public Records Act.

SECTION 11 PREVAILING WAGE LAWS

A. CONTRACTOR shall comply with the requirements of this SECTION 12 with respect to any installation, repair, maintenance or other work constituting a public works under California Labor Code sections 1720 et seq. and 1770 et seq., and California Code of Regulations, title 8, section 16000 et seq. (collectively, "Prevailing Wage Laws").

B. CONTRACTOR must be, and must require its subcontractors to, be registered with the California Department of Industrial Relations ("DIR") pursuant to Labor Code section 1725.5, prior to execution of this Agreement. No contractor or subcontractor may be listed on a bid proposal for a public works project, or may be awarded a contract for public work on a public works project, unless it registers with and pays an annual fee to the DIR. CONTRACTOR shall submit proof of current registration, and shall require subcontractors to submit proof of current registration, to SEJPA prior to commencing work on the project. For more information on how to become registered with the DIR, please go to <https://www.dir.ca.gov/Public-Works/Contractor-Registration.html>. [Option to remove this paragraph if the work is less than \$15,000. This registration requirement does not apply to work performed on a public works project for maintenance of fifteen thousand dollars (\$15,000) or less.]

C. CONTRACTOR agrees to comply with and require its subcontractors to comply with the requirements of Prevailing Wage Laws and any additional applicable California Labor Code provisions related to such work including without limitation payroll recordkeeping requirements. CONTRACTOR and its subcontractors shall pay not less than the prevailing rate of per diem wages as determined by the Director of the DIR for all services described in this Agreement and as required by law. The general prevailing wage determinations can be found on the DIR website at: <http://www.dir.ca.gov>. Copies of the prevailing rate of per diem wages may be accessed at SEJPA's administrative office, and shall be made available upon request. CONTRACTOR shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the services described in this Agreement available to interested parties upon request, and shall post and maintain copies at CONTRACTOR'S principal place of business and at all site(s) where services are performed. Penalties for violation of Prevailing Wage Laws may be assessed in accordance with such laws. For example, CONTRACTOR shall forfeit, as a penalty to SEJPA, Two Hundred Dollars (\$200) for each calendar day, or portion thereof, for each workman paid less than stipulated prevailing rates for services performed under this Agreement by him, or any subcontractor under him, in violation of Prevailing Wage Laws. CONTRACTOR shall defend, indemnify and hold the Indemnified Parties harmless from any claims, liabilities, costs, penalties or interest arising out of the failure or alleged failure of CONTRACTOR or its subcontractors to comply with Prevailing Wage Laws.

D. CONTRACTOR and each of its subcontractors shall keep accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by CONTRACTOR or subcontractor in connection with the services performed pursuant to this Agreement. Each payroll shall be certified and available for inspection as prescribed by Labor Code section 1776. CONTRACTOR shall keep SEJPA informed as to the location of the records and shall be responsible for the compliance with

these requirements by all subcontractors. CONTRACTOR shall inform SEJPA of the location of the payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of any change of location and address. Penalties for noncompliance include a forfeiture of One Hundred Dollars (\$100) per calendar day, or portion thereof, for each worker until strict compliance is effectuated, which may be deducted from any moneys due CONTRACTOR.

E. Eight (8) hours of work shall constitute a legal day's work. CONTRACTOR and any subcontractors shall forfeit, as a penalty to SEJPA, Twenty-Five Dollars (\$25) for each worker employed in the execution of services pursuant to this Agreement by CONTRACTOR or any of its subcontractors for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one (1) calendar day and forty (40) hours in any calendar week in violation of the provisions of the California Labor Code, in particular, sections 1810 to 1815, thereof, inclusive, except services performed by employees of CONTRACTOR and its subcontractors in excess of eight (8) hours per day at not less than one and one-half (1 ½) times the basic rate of pay, as provided in California Labor Code section 1815.

F. CONTRACTOR shall require any subcontractors performing services under this Agreement to comply with all of the above.

SECTION 12 NOTICE

Any notices required to be given under this Agreement by either party to the other must be effected by email, or by personal delivery in writing or by mail, first class, registered or certified, postage prepaid with return receipt requested. Mailed notices must be addressed to the parties at the addresses below, but each party may change the address by giving written notice in accordance with this paragraph. Emailed notices will be deemed communicated via same-day if sent before 5:00 PST. Notices delivered personally will be deemed communicated as of actual receipt; mailed notices will be deemed communicated as of the day of receipt or the fifth (5th) day after mailing, whichever occurs first.

To SEJPA: San Eljo Joint Powers Authority
Attention: Tom Falk
2695 Manchester Avenue
Cardiff-By-The-Sea, CA 92007
falkt@sejpa.org

To CONTRACTOR: Burtech Pipeline
Attention: Dominic J. Burtech_
1325 Pipeline Drive
Vista, CA 92081

SECTION 13 WORKING HOURS

All on site work is to be performed Monday through Friday between the hours of 7:30 a.m. and 5:30 p.m. or as otherwise agreed to by SEJPA. In the event these working hours conflict with

an ordinances of the City of Encinitas, CONTRACTOR shall perform site work in compliance with such ordinance. CONTRACTOR will also notify SEJPA's designated Project Manager or the Project Manager's assigned alternate of their daily schedule. Any change in the defined working times must have prior written approval from SEJPA's General Manager or his designated representative.

SECTION 14 WARRANTY OF WORK

A. CONTRACTOR guarantees all work pursuant to this Agreement against defective materials or workmanship for period of one (1) year from the date of completion of all work, except where longer warranty periods are specifically stated. Any defective material or workmanship which may be discovered before completion all work or within one (1) year thereafter shall be corrected immediately by CONTRACTOR at its own expense notwithstanding that it may have been overlooked in previous inspections and estimates. Any work to correct a defect in workmanship and/or replacement materials shall additionally be guaranteed by CONTRACTOR for a period of one (1) year from the date of completion of such corrective work or replacement of materials.

B. Failure to inspect the work at any stage shall not relieve CONTRACTOR from any obligation to perform sound and reliable work as herein described. It is CONTRACTOR'S ultimate responsibility to complete all work as required by this Agreement.

C. During the one (1) year warranty period, should CONTRACTOR fail to remedy defective material and/or workmanship, or to make replacements within five (5) days after written notice by SEJPA, it is agreed that SEJPA may make such repairs and replacements and the actual cost of the required labor or materials shall be chargeable to and payable by CONTRACTOR.

D. The warranty provided herein shall not be in lieu of, but shall be in addition to, any warranties or other obligations otherwise imposed by this Agreement or by law. The remedies provided herein shall not be exclusive and SEJPA shall be entitled to any and all remedies provided by law.

SECTION 15 WORK DURING DISPUTES

In the event of a dispute between the parties as to the performance of the work, the interpretation of this Agreement, or payment or nonpayment for work performed, the parties shall attempt to resolve the dispute. If the dispute is not resolved, CONTRACTOR agrees to continue the work diligently to completion and will neither rescind this Agreement nor stop the progress of the work, but may submit such controversy for determination in accordance with applicable law. In the event any litigation is commenced with respect to this Agreement, such litigation shall not serve to suspend CONTRACTOR'S obligation to continue performance of the work hereunder.

SECTION 16 MISCELLANEOUS

A. If CONTRACTOR is required by law to be licensed and regulated by a State License Board, or any other regulatory body, CONTRACTOR hereby warrants that it has complied

with any such licensing and regulatory authorities. CONTRACTOR shall provide proof of such licensure upon request by SEJPA.

B. All work performed and materials supplied in the execution of this Agreement shall comply with applicable laws, standards, codes and regulations governing such materials, items and work. All material is guaranteed to be as specified in the Scope of Work. Any alteration or deviation from the Scope of Work, which involve extra costs, may be executed by CONTRACTOR only after approval of SEJPA by written order, which will specifically state the change in the Scope of Work and the additional charges to be incurred. Unless otherwise directed by SEJPA, CONTRACTOR shall not be entitled to compensation for work requiring an approved written order if CONTRACTOR fails to obtain such an order prior to the execution of that work.

C. The "Hazard Communication Standard" requires that individuals (employees) working in an area where hazardous substances are being used must be informed of any potential dangers associated with working in that area. (29 C.F.R. § 1919.1220.) It is the responsibility of CONTRACTORS working at San Elijo Joint Powers Authority to read and acknowledge receipt of the information packet prior to the start of any scheduled work. Furthermore, CONTRACTOR shall make available all applicable information regarding hazardous substances and conditions to all CONTRACTOR employees and subcontractors.

D. CONTRACTOR will perform all work under this Agreement in good faith and in the best interests of SEJPA. CONTRACTOR shall be solely and completely responsible for the safety of all CONTRACTOR personnel, including personnel of any subcontractors, during performance of the work. In performing the work specified in this Agreement, CONTRACTOR agrees to comply with all laws, rules, regulations, ordinances, directives and orders, whether federal, state or local, and any and all of SEJPA policies and procedures, departmental rules and other directives applicable to the services to be performed, including, but not limited to, SEJPA's Contractor Safety Policies and Procedures. Any changes to SEJPA policies and procedures that relate to CONTRACTOR will be provided to CONTRACTOR in writing. CONTRACTOR agrees to review such policies, procedures, rules and directives the contents of which CONTRACTOR will be deemed to have knowledge.

E. If this Agreement involves an expenditure of public funds in excess of ten thousand dollars (\$10,000), the Agreement is subject to examination and audit of the State Auditor, at the request of SEJPA or as a part of any audit of SEJPA, for a period of three (3) years after final payment under the Agreement. CONTRACTOR shall cooperate with SEJPA regarding any such audit at no extra cost to SEJPA.

F. This Agreement represents the entire understanding of SEJPA and CONTRACTOR as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Agreement may not be modified or altered except in writing and signed by both parties.

G. This Agreement may be executed in counterparts, each of which shall be deemed an original and all of which together shall constitute one instrument. A faxed, .pdf, or other electronic copy of the fully executed original version of this Agreement shall have the same legal effect as an

executed original for all purposes. Electronic signatures shall have the same legal effect as an original signature.

H. Each and every provision of law and clause required by law to be inserted in this Agreement shall be deemed inserted herein, and the Agreement shall be read and enforced as though they were included herein. If through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party, the Agreement shall forthwith be physically amended to make such insertion.

I. In signing this Agreement, CONTRACTOR certifies that CONTRACTOR shall not submit a false claim in violation of the False Claims Act, section 12650 et seq. of the Government Code.

J. This Agreement shall be construed and enforced under and in accordance with the laws of the State of California. Venue to any action or proceeding arising out of this Agreement shall be in San Diego County, California.

K. In the event litigation or arbitration is commenced to interpret or enforce this Agreement, the prevailing party shall be entitled to recover its reasonable attorney's fees in addition to costs and expenses.

L. SEJPA and CONTRACTOR do covenant that the individual executing this Agreement on their behalf is a person duly authorized and empowered to execute this Agreement for such party.

BY SIGNING BELOW THE PARTIES VOLUNTARILY ENTER INTO THIS AGREEMENT AND ACKNOWLEDGE THAT THEY HAVE READ AND UNDERSTAND THE TERMS SET FORTH HEREIN AND AGREE TO BE BOUND THEREBY.
SAN ELIJO JOINT POWERS AUTHORITY: BURTECH PIPELINE:

Michael Thornton

Michael T. Thornton, P.E.

General Manager

09/09/2026

Date

[Signature]
Signature

President
Title

09/09/2026
Date

- 728202
Contractor's License No.

- 01/31/2028
License Expiration Date

Attachment A

Scope of Work

PROJECT LOCATION: 171 Saxony Road, Encinitas, CA, 92024

PROJECT SCOPE: Emergency repair scope to be completed under force account.

1. Prepare and submit for approval by the City of Encinitas, Traffic Control Plans and Construction Public Right of Way permit application.
2. Coordinate with SEJPA for shutdown and draining of mainline.
3. Erect and maintain safety procedures for affected work areas.
4. Remove asphalt, excavate, confer with SEJPA to determine repair solution for leaking recycled water service lateral at location identified by SEJPA. Piping, fittings, valves and appurtenances shall conform to applicable local standards and codes, as applicable.
5. Excavated material shall be hauled away and deposited in manner and location directed by SEJPA.
6. Complete repair as directed by SEJPA; pressure test; and support SEJPA in putting pipeline back in service.
7. Backfill with clean, compacted material to grade.
8. Restore pavement in accordance with City of Encinitas standards.
9. City of Encinitas' Right-Of-Way Construction Permit Standard Conditions are hereby incorporated by reference, attached.
10. City of Encinitas' Requirements for Proof of Insurance are hereby incorporated by reference, attached.
11. As applicable, the following standards shall apply: City of Encinitas Engineering Design Manual, The San Diego Water Agency Standards (WAS), Standard Specifications for Public Works Construction (SSPWC, "Greenbook").
12. Reference Documents:
 - a. SEJPA Record Drawings (Dudek, 2001); PK-1, P-3, P-5, and P-6
 - b. Excerpts of Irrigation Plans for subject lateral installation

TIME & MATERIAL DETAILS: *Costs to be tracked on time and materials basis (in accordance with owner-approved force account records) and as described in Burtech rate sheet (enclosed); equipment rates per current CalTrans rates.*

Attachment A: Rate Sheet



GENERAL ENGINEERING CONTRACTOR

Burtech Pipeline Emergency Work Compensation Rate Schedule

Title/Classification	Standard Rate (\$)/Hour	Overtime Rate (\$)/Hour	Doubletime Rate (\$)/Hour
Superintendent	135.00	202.50	272.00
Foreman	120.00	180.00	240.00
Equipment Operator	118.00	177.00	236.00
Truck Driver	108.00	162.00	216.00
Laborer/Pipelayer	90.00	135.00	180.00
Carpenter	94.00	141.00	188.00
Mechanic	115.00	172.50	230.00
Project Manager	162.00	243.00	324.00
Project Staff Engineer	120.00	NA	NA
SWPPP/QSP	115.00	NA	NA
Office Admin	90.00	NA	NA

1. These rates are specified as Burtech's established rates for calculating labor cost without allowance for overhead & profit. A 20% markup will be added to these costs for overhead & profit
2. For owned equipment, Caltrans Equipment rental rates in effect at the time the work is being performed will be used. A 15% markup will be added to these costs for overhead & profit.
3. For rented equipment, the cost will be the rental invoice plus consumables (fuel, grease, etc.) A 15% markup will be added to these costs for overhead & profit.
4. Materials & Dump Fees will be the amount of the invoice. A 15% markup will be added to these costs for overhead & profit.
5. Subcontractor costs will be the amount invoiced. A 10% mark up will be added to the invoice for overhead & profit.



RIGHT-OF-WAY CONSTRUCTION PERMIT STANDARD CONDITIONS

1. No access or work shall be performed within the City right-of-way without the full knowledge of the assigned City Inspector who shall be given not less than 48 hours advance notice of the initiation of permitted use at (760) 633-2796 or 633-2797, or as stated on the permit.
2. At least 48 hours prior to starting work, **Underground Service Alert (USA)** shall be notified for location of underground utilities at 1-800-422-4133. The proposed dig area must be marked in white paint prior to contacting (USA).
3. All work covered by this permit shall be performed by a contractor possessing a valid California contractor's license of the appropriate class.
4. All traffic control within the construction area shall be subject to an approved traffic control plan and shall be flagged and barricaded to the satisfaction of the City Inspector in compliance with the "Work Area Traffic Control Handbook", latest edition published by Building News, Inc. In the event that the Inspector determines proper traffic control is not in place, all work shall cease and permittee authorizes the City Engineer or a duly authorized representative to order, on the rental basis, such traffic control devices as shall be necessary and proper to protect the public safety and further agrees to pay any and all costs and charges that the City may incur in providing said traffic control.
5. Applicant agrees that it shall be his responsibility to provide the contractor, subcontractor, or any other agent responsible for construction of permitted works within the City right-of-way, with a copy of the permit including these standard conditions and a complete set of approved plans. The permit, plans and Work Area Traffic Control Handbook shall be available at the permit site whenever work is in progress.
6. Permitted works shall be constructed in accordance with the City specifications and approved plans, subject to inspection and approval by the City Engineer or a duly authorized representative. Certification for all materials and work, including compaction tests, shall be furnished by the applicant upon request by the City Inspector. Payment for any compaction testing shall be by the permittee. Certification shall be made by a certified testing agency or firm acceptable to the City.
7. No work within the public right-of-way is permitted on Saturdays, Sundays, or holidays. Any deviation from the work schedule presented in these conditions must receive prior, written approval of the City Engineer or a duly authorized representative. Any questions regarding days City Hall is closed, call (760) 633-2770.
8. No work on any public roadway, excluding prime arterials and major roads, shall be started before 7:30 A.M. or continue after 5:00 P.M. on weekdays.
9. No work shall begin before 9:00 A.M. or continue after 3:00 P.M. on prime arterials and other major roads, unless authorized on the permit by the City Engineer. All work on prime arterials and other major roads, all as shown on the Circulation Element of the City's General Plan, will require a traffic control plan acceptable to the City Traffic Engineer whose office can be contacted at (760) 633-2704.
10. The roadway shall be clean and free of all obstructions and completely open to traffic at the end of each working day. (No later than 3:00 P.M. on major roads, defined herein.)
11. Two-way traffic shall be maintained at all times. Minimum travel lane width for motor vehicles shall be 12 feet. If street width prevents maintaining two-way traffic, permittee and City Engineer shall agree on an adequate traffic control plan prior to starting work, which shall include the use of a full-time flagman.
12. All excavations in existing pavement shall be saw cut to neat lines and AC replacement shall be made to the satisfaction of the City Engineer or a duly authorized representative.
13. Open trench must be backfilled and capped with at least 2" of cold mix asphalt or metal plated according to City specifications during non-working hours. Metal plates are required to have cold mix asphalt ramps on all (4) sides and must be maintained. Refer to the City's Standard Drawing.
14. Native material may be used upon approval of the City Engineer or a duly authorized representative. Refer to the City's Standard Drawing for Trench Backfill and Resurfacing, Appendix 2.4 of the Engineering Design Manual.
15. Tunneling beneath curb and gutter is not permitted, unless otherwise authorized by the City Engineer. Curb, gutter, and sidewalk requiring removal shall be replaced joint to joint for a neat appearance.
16. Two sack sand-cement slurry mix shall be required as backfill on all lateral excavations within prime arterials, major roads and collectors as well as all locations where the inspector deems the native material to be unacceptable for use as backfill.
17. Care shall be exercised to prevent water, soil and debris from depositing in gutters, streets and storm drains. No washing out of mixers or concrete pumps will be allowed on City streets. Violations will be referred for NPDES enforcement and penalties.
18. Any roadway striping damaged or removed during the operations of this permit shall be matched and replaced by the applicant using the latest edition of State Department of Transportation specifications for paint, all to the satisfaction of the City Engineer or a duly authorized representative. Thermoplastic legends and crosswalk markings shall be replaced with thermoplastic, not paint, to the satisfaction of the City Engineer.
19. All concrete work shall be transit mixed and conform to the Standard Specifications for Public Works Construction, Latest Edition, Section 201, and be approved by the City Engineer or a duly authorized representative.
20. Trenching for installations across any intersecting roadway open to traffic shall be progressive. Not more than half of the width of a traveled roadway shall be disturbed at one time and the remaining width shall be kept open to traffic by bridging or backfilling.
21. Where street dimensions and State Department of Health Services regulations allow, all pipes and conduits laid parallel to the roadway shall be placed at least five (5) feet from the edge of the pavement or graded traveled roadway, unless otherwise

authorized in writing by the City Engineer. The shallowest portion of any pipeline or other facility shall be installed not less than thirty (30) inches below the roadway surface.

21(a). Where street dimensions and State Department of Health Services regulations allow, all pipes and conduits laid parallel to existing utilities shall maintain a minimum separation of three (3) feet measured from the nearest edge of the facility. Any deviation from this requirement is not allowed unless approved by the City Engineer or a duly authorized representative.

22. All excavated material shall be cast away from the improved portion of the highway. After the work has been completed, all excess material, including trench spoils, shall be removed from the right-of-way. The roadway shall be left in neat and orderly condition.
23. All roadside drainage ditches shall be restored to true grades and the intake and outlet ends at all culverts shall be left free from all excess materials and debris.
24. All approaches to private driveways and intersecting roads and streets shall be kept open to traffic at all times, unless otherwise approved by the City Engineer.
25. Clay and earth which adhere to the paved surface of the roadway shall be removed by hand scraping, washing and sweeping, or by any other method which will leave a clean non-skid surface without impairing, damaging, or loosening the surface.
26. Permittee shall comply with any and all directives issued by the City Engineer or a duly authorized representative in order to prevent dust or other materials from becoming a nuisance or annoyance.
27. Temporary patching of trench is required on lateral cuts in surfaced streets immediately after backfilling. After completion of the refilling and compacting of the backfill material in the excavation, all as specified in the Standard Drawing dated September 30, 1996, and the removal of obstruction(s), the permittee shall promptly replace with temporary or permanent patching material, or repair any portion of the highway surface removed or damaged by the excavation, obstruction, or construction operations, all to the satisfaction of the City Engineer, and as specified elsewhere herein. The City Engineer may, at his option, elect to do the surfacing or repairing himself; in such case, the permittee shall bear the cost of such work. Temporary patching material may be left in place for up to 30 days, but must be continually maintained.
28. Where the pavement, except Portland Concrete Cement pavement, or other type of surface has been removed by others, the permittee shall replace it with a standard repair of four (4) inches AC over approved backfill or repair section shall be one (1) inch AC greater than existing structural section, whichever is greater. Refer to the most current Standard Drawing. Repairs to PCC pavement shall be made pursuant to the specifications of the assigned Engineering Inspector.
29. If, after the refilling of an excavation, the permittee fails or refuses to resurface or repair that portion of the surface of the roadway damaged by him, or if the City Engineer has elected to do such resurfacing or repairing, the City Engineer shall cause the repair to occur; and the permittee shall be charged with the cost thereof computed by the City Engineer.
30. When shoring is required, an engineered detail drawing will be required for approval by the City Engineer. All OSHA regulations shall be met.
31. All directional bores shall be subject to approval of the method in the field by the assigned Engineering Inspector, acting as the duly authorized agent of the City Engineer. A thorough examination of the subsurface conditions is a prerequisite. The applicant shall identify the bore method on the permit application either as auger, hammer, hydraulic, etc., and show the bore pits. Grouting and intermediate bore pits may be required.
32. All subsurface utilities shall be accurately shown on the applicant's site plan for those excavations in excess of 250 linear feet, traversing signalized intersections, crossing interconnect wires, or otherwise where the City Engineer has a special concern.
33. Pavement cuts in streets rehabilitated or newly constructed within the past two years shall be categorically denied.
34. This permit may be immediately revoked for reasons in the best interest of the City, for violation of permit conditions, or for the creation of a nuisance, all upon notice given by the City Engineer or a authorized representative. In the event of such revocation, applicant shall immediately cease all operations and restore City right-of-way as directed by the City Engineer or a duly authorized representative. After notification, City may take full possession of the area. Applicant shall pay to the City any and all costs involved, in the event the City has to restore City property or remove any items installed by the applicant.
35. This permit may become void in the event the use permitted is not started within sixty (60) calendar days from the date of issuance or in the event the permitted use is abandoned for a period exceeding sixty (60) calendar days after construction has begun. In such event, it shall be necessary to obtain a new permit and pay additional fees. Upon commencement of work, all operations, including cleanup and restoration of City right-of-way, shall be completed within the time limit specified by the permit.
36. The permittee guarantees to save, indemnify and hold harmless the City of Encinitas and all its agents, officers, employees and officials against all liabilities, judgments, costs and expenses, which may in any manner or form arise in consequence of the issue of this permit or any work performed in consequence thereof.
37. The permittee guarantees all work constructed, installed and effected under this permit for a period of one year from the date of final inspection. Any repairs required during the guarantee period shall be made at the expense of the permittee. At the option of the City Engineer, repair work may be performed by either the permittee or the City.
38. Permittee has read, understands and agrees to comply with all construction permit provisions and standard conditions.

☐ By checking this box I agree to the conditions set forth in this document.

Name: _____

Date: _____



REQUIREMENTS FOR PROOF OF INSURANCE

The following information is applicable to Public Improvement Permits, Sewer Construction Permits, Construction Permits, Permanent Encroachment Permits, and Temporary Encroachment Permits.

PRIOR TO ISSUANCE OF A PERMIT TO WORK IN THE PUBLIC RIGHT-OF-WAY OR ANY PUBLIC EASEMENT, THE FOLLOWING REQUIREMENTS FOR PROOF OF INSURANCE AS SHOWN ON A VALID CERTIFICATE OF INSURANCE SHALL BE MET:

- 1.) Submittal of an original certificate of insurance document.
- 2.) Name, address, and telephone number of insurance agency.
- 3.) Name, address, and telephone number of insured who shall at all times be the contractor properly licensed to accomplish the work and identified as such on the permit to be issued. In cases of engineering investigations the Engineer of Work is considered the contractor for insurance purposes. Similarly, where permits are issued for temporary traffic control and a licensed professional need not do the work, the applicant is also the insured.
- 4.) Company (ies) affording coverage.
- 5.) Statement clearly certifying validity of document as proof of insurance coverage.
- 6.) Provision and identification of the type of insurance as General Liability with a minimum limit of \$1,000,000.00 for each occurrence and aggregate for combined bodily injury and property damage. The policy number, policy effective date and policy expiration date shall be provided. Coverage must be current, in force and the policy expiration date must not precede the permit expiration date.
- 7.) Provision and identification of the City of Encinitas as Additional Insured.

- 8.) Provision and identification of the City of Encinitas as Certificate Holder
using the following address:

City of Encinitas
Attn: Engineering Services
505 South Vulcan Avenue
Encinitas, CA 92024

- 9.) Notification regarding Cancellation Procedure limited to the following:

"Should any of the above described policies be canceled before the expiration date thereof the issuing company will mail 30 days written notice to the Certificate Holder named."

Any exceptions to the above declaration are unacceptable and shall be deleted or crossed out.

- 10.) Original signature of authorized representative of insurance carrier.

Facsimile copies of Certificate of Insurance are acceptable provided that the original document has been mailed and is forthcoming. Should the City of Encinitas fail to receive the original document the permit shall be declared invalid retroactive to the date of issuance and thereby revoked.

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Deputy General Manager

SUBJECT: AWARD OF ENGINEERING-DESIGN SERVICES FOR RECYCLED WATER
PIPELINE REPLACEMENT PROJECT

RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the General Manager to execute Professional Services Agreement with Hoch Consulting, Inc. in an amount not-to-exceed \$135,543 for the design of the Recycled Water Pipeline Replacement Project; and
2. Discuss and take action as appropriate.

BACKGROUND

San Elijo Joint Powers Authority (SEJPA) owns and operates a recycled water treatment and distribution system that was placed into service in 2000. The distribution system originates at the recycled water pump station on the San Elijo Water Campus (SEWC) and consists of approximately 21 miles of buried pipe conveying recycled water through the North System (serving Encinitas and Olivenhain) and the South System (serving Solana Beach and Del Mar).

Since 2013, SEJPA has experienced six significant leaks on buried ductile iron pipeline sections within the SEWC, including four failures during 2025 and 2026. The failures have generally consisted of holes through the pipe wall attributed to exterior soil corrosion. Each failure has required emergency contractor repairs, interruption of recycled water operations, and restoration of paved areas, costing SEJPA's recycled water program nearly \$200,000 over the past four years. The recent frequency of failures on this localized ductile iron pipe represents an unacceptable level of service.

The Recycled Water Pipeline Replacement Project (Project) will replace approximately 1,100 linear feet of existing 12-inch ductile iron pipe with a more corrosion-resistant material, anticipated to be PVC C900 or a similar plastic piping system.

A related asset management project, identified through recent facility planning, was incorporated into the Project scope. The existing filtered water piping is ductile iron and is located near recent recycled water pipeline failures, while the automated filtered water diversion valve is a critical buried asset adjacent to the recycled water pump station. Incorporating the replacement of these assets into the Project provides an opportunity to achieve economies of scale while proactively addressing identified high-priority asset management risks. The Project will replace a section of ductile iron filtered water piping between the tertiary filters and chlorine contact tank and relocate the diversion valve above grade to improve accessibility and maintainability.

DISCUSSION

On July 20, 2026, SEJPA publicly advertised a Request for Proposals (RFP) through its online procurement portal, PlanetBids, seeking qualified professional engineering firms to provide project management, pre-design investigations, engineering, final design, and related services for the Project.

Fourteen (14) engineering firms that registered as prospective proposers through PlanetBids. Five local engineering firms attended the pre-proposal meeting and site walk held at the SEWC on July 30, 2026. The meeting provided prospective proposers an opportunity to review existing site conditions, understand project constraints, and discuss the anticipated scope with SEJPA staff. SEJPA received two proposals on PlanetBids by the proposal deadline of August 20, 2026 from (alphabetically): Hoch Consulting, Inc. and Scheidel Engineering, Inc.

A selection panel consisting of SEJPA staff reviewed and scored the proposals in accordance with the evaluation process established in the RFP. The proposals were evaluated based on the rating criteria: the strength of the project team members, the firm's experience and technical competence, the approach to the project, and overall firm qualifications and strength. Consistent with the RFP, staff considered the proposed level of effort, distribution of labor hours, billing rates, and overall fee to determine whether the highest-ranked consultant's proposed compensation was fair and reasonable for the required services.

Table 1 – Proposal and Interview Rating (Consensus Scoring)

Rating Criteria	Max Score	Hoch	Scheidel
Strength of Project Team Members	40	34	29
Firm Experience and Technical Competence			
Approach to the Project			
Overall Firm Qualifications and Strength			
Level of Effort (Prime Consultant), Labor-Hours		570 ⁽¹⁾	505
<i>(1) Level of Effort, as negotiated</i>			

Based on the proposal evaluation, Hoch Consulting was identified as the highest-ranked firm. Hoch Consulting demonstrated strong relevant pipeline and process mechanical experience, an experienced and available project team, and a project-specific approach addressing pipeline material selection, routing, shutdown sequencing, constructability, and strategy for pre-procuring the filtered water diversion valve to manage project schedule risk. The proposed team and technical approach were determined to be best aligned with SEJPA's objectives for

completing design and positioning the Project for construction during the lower-demand operating season.

Staff subsequently met with Hoch Consulting to review the proposed scope, clarify assumptions and deliverables, and confirm expectations for Project execution. Staff also reviewed the proposed labor-hour level of effort and billing rates and determined that the negotiated scope and fee are reasonable and appropriate for the required professional services. Based on the qualifications-based selection process and subsequent scope and fee negotiations, staff recommends award of a Professional Services Agreement to Hoch Consulting in an amount not-to-exceed \$135,543 for design of the Recycled Water Pipeline Replacement Project.

FISCAL IMPACT

Due to the frequency of recent pipeline failures, the Project has been elevated in SEJPA's capital improvement program prioritization. In June 2026, the Board authorized the use of federal Title XVI grant proceeds associated with the Recycled Water Conservation and Production Upgrade Project to fund eligible recycled water pipeline replacement costs estimated at approximately \$1.2 million. The design costs will be funded through this capital reserve appropriation.

RECOMMENDATION

It is therefore recommended that the Board of Directors:

1. Authorize the General Manager to execute Professional Services Agreement with Hoch Consulting, Inc. in an amount not-to-exceed \$135,543 for the design of the Recycled Water Pipeline Replacement Project; and
2. Discuss and take action as appropriate.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "C. Falk", is positioned above a horizontal line.

Thomas C. Falk, P.E., PMP
Deputy General Manager

Attachment 1: Proposal, Scope and Fee Estimate – Hoch Consulting, Inc.



HOCH
CONSULTING

Attachment 1

AUGUST 20, 2026 | 2:00 PM



REQUEST FOR PROPOSAL FOR

Design of the SEWC Recycled Water Pipeline Replacement Program No. 13063

August 20, 2026

**San Elijo Joint Powers
Authority**

**Michael T. Thornton, P.E.
General Manager**

2695 Manchester Ave
Cardiff by the Sea, CA 92007



Sincerely,

Ray Fakhoury, PE

**Director of
Engineering**



HOCH CONSULTING

2141 Palomar Airport Road
Suite 100
Carlsbad, CA 92011

**RE: RESPONSE TO REQUEST FOR PROPOSAL | DESIGN
OF THE SAN ELIJO WATER CAMPUS RECYCLED WATER
PIPELINE REPLACEMENT PROJECT - PROGRAM NO. 13063**

Dear Mr. Thornton and Members of the Selection Committee:

Hoch Consulting is pleased to submit our proposal to provide professional engineering design services for the SEWC Recycled Water Pipeline Replacement Project. We understand the success of this project will depend on more than replacing approximately 1,100 feet of aging recycled water pipeline. The design must address the corrosion-related failure history, maintain recycled water and treatment operations, coordinate construction within an active and constrained facility, and position SEJPA to complete the work within its targeted construction window.

Hoch brings an uncommon level of familiarity to this assignment. Adam Hoch and Hoch Consulting have served SEJPA continuously since 2008, providing 18 years of direct experience with the San Elijo Water Campus, its facilities, staff, standards, review processes, and operating priorities. Combined with our extensive pressurized pipeline replacement experience, this means our team can begin with an understanding of SEWC and focus immediately on the decisions that will shape a successful project.

We Know SEWC. Our history with SEJPA includes engineering design and construction work performed directly at SEWC, along with construction management and inspection, stormwater compliance, recycled water system support, and coordination during active facility construction. That familiarity matters on a project where access, shutdowns, staging, tie-ins, and ongoing plant operations will directly influence the design. Jennifer Kerschbaum, PE, will lead day-to-day delivery as Project Manager, supported by Ken Wuntz and Richard Roth, with Adam Hoch, PE, providing QA/QC and constructability review. This gives SEJPA a streamlined team that already understands the facility and can carry that knowledge directly into design.

Experienced Pipeline Replacement Team. The Hoch team brings extensive experience delivering similar pressurized pipeline replacement projects and lives and works in close proximity to SEJPA's facilities, providing familiarity with the challenges of replacing aging infrastructure within active treatment facilities. Our experience includes PVC C900 and alternative pipe materials, restrained joints and thrust design, utility conflicts, complex connections, temporary highlining, and phased construction. We will apply this experience to evaluate the northern and southern reaches and select a piping system that addresses SEJPA's corrosion concerns while accounting for pressure cycling, surge conditions, constructability, and long-term reliability.

We Will Design Around Operations. The construction sequence cannot be an afterthought. Hoch will work with SEJPA O&M staff during preliminary design to establish shutdown limitations, temporary highline requirements, access and staging needs, tie-in sequencing, and the preferred pipeline alignments. We will also validate and refine the proposed above-grade filtered water diversion valve configuration with accessibility, operability, electrical/SCADA integration, and maintenance in mind. These requirements will be incorporated into the design so bidders clearly understand how the work must be constructed while SEWC remains operational.



We appreciate the opportunity to continue our long-standing relationship with SEJPA and look forward to supporting this important reliability improvement at the San Elijo Water Campus.

If you have any questions on our proposal, please contact Ray Fakhoury, Director of Engineering at 858-413-5430 or by email at rfakhoury@hochconsulting.com.

WHY HOCH?

WE START AHEAD.

18 years working with SEJPA means we already understand the facility, standards, staff, and operational constraints. That familiarity lets our team move directly into the decisions that matter most, from constructability and procurement to maintaining reliable recycled water service and continuous SEWC operations.

WE KNOW WHY PIPELINES FAIL.

Our replacement experience goes beyond pipe layout to corrosion, material selection, surge, restraint, tie-ins, and constructability.

WE DESIGN THE SHUTDOWN BEFORE THE CONTRACTOR DOES.

Highlining, tie-ins, access, staging, and sequencing are resolved during design, not left for construction.

WE KNOW WHAT HAS TO STAY OPERATIONAL.

Familiarity with SEWC allows design decisions to account for the filters, chlorine contact basins, recycled water service, O&M access, and future facility needs.

THE PEOPLE PROPOSING THE WORK WILL DO THE WORK.

Jennifer leads the design. Adam stays directly involved in QA/QC and constructability. Senior staff perform the engineering.

TAB 1: IDENTIFICATION OF
RESPONDER



IDENTIFICATION OF RESPONDER

Legal name and address of company.

Hoch Consulting, Inc.

2141 Palomar Airport Road
Carlsbad, CA 92011

Legal form of company
(partnership, corporation, joint venture, etc.)

S-Corporation

Identify any parent companies.

Hoch Consulting does not have any parent companies.

Addresses of office(s) in San Diego County.

2141 Palomar Airport Road
Carlsbad, CA 92011

Name, title, address, and telephone number of person to contact concerning the Proposal.

Ray Fakhoury, PE —
Director of Engineering

2141 Palomar Airport Road,
Suite 100
Carlsbad, CA 92011

P: 858-413-5430

Hoch Consulting is a Southern California consulting firm specializing in engineering, water resources, grant services, and construction management for public agencies.

Since 2012, we have partnered with water and wastewater agencies, municipalities, and special districts throughout Southern California to plan, design, fund, and deliver infrastructure improvements that support reliable public services.

Our team brings experience across the full project lifecycle, from planning



and preliminary engineering through final design, permitting, bidding, and construction. This breadth of experience gives our engineers a practical understanding of how design decisions affect constructability, operations, maintenance, schedule, and cost.

We are particularly experienced in water and recycled water infrastructure, including pipeline design and rehabilitation,

pump stations, treatment facility improvements, utility coordination, and construction-phase services. Our approach is grounded in close collaboration with agency staff and the development of solutions that are technically sound, practical to construct, and responsive to each agency's operational needs.

Our Experience

Water, wastewater, recycled water, and public infrastructure pipeline projects throughout Southern California.

Our Approach

Efficient solutions that integrate operational considerations, preserve space and maintain access to your facilities.

Our Team

Adam Hoch's oversight, Jennifer Kerschbaum's proven project leadership and pipeline experience, backed by trusted subconsultant partners.

Our Commitment

Responsive, accountable service built around the needs and priorities of our public agency clients.

3X HONOREE
**BEST PLACES
TO WORK**

*By San Diego Business Journal
2024 & 2025 & 2026*

SBE
**SMALL BUSINESS
ENTERPRISE**

*Flexibility of a small team, with the
strength to deliver.*

90%
**OF WORK FROM
REPEAT CLIENTS**

*A reflection of performance,
communication, and partnership.*

**TAB 2: EXPERIENCE AND
TECHNICAL COMPETENCE**



EXPERIENCE AND TECHNICAL COMPETENCE

Provide description of up to five (5) most relevant past and on-going projects, no older than 10 years (based on completion date), for which the proposed firm provided similar services.

LA GRANADA PIPELINE & PRS ELIMINATION SANTA FE IRRIGATION DISTRICT

BRIEF DESCRIPTION

Hoch is providing engineering and design services for the replacement of approximately **7,300 LF of aging 4- and 6-inch ACP water mains** with new 4-, 8-, and 10-inch PVC pipelines. The project also eliminates two existing pressure reducing stations and consolidates the 360 pressure zone into the 520 pressure zone to improve system reliability and fire-flow capacity. Design considerations include pipe and fitting selection, restrained joints, utility conflicts and potholing, trenching and geotechnical conditions, new valves and appurtenances, and pavement restoration. Construction sequencing incorporates **temporary HDPE high-lining and phased service conversions to maintain water service throughout construction.**

PROJECT RELEVANCE

The project combines replacement of aging pressurized pipelines with PVC pipe and ductile iron fittings, utility conflict resolution, temporary high-lining, and phased construction to maintain uninterrupted service.

DATE INITIATED May 2025	DATE OF DESIGN May 2026	DATE OF CONSTRUCTION August 2026	DATE OF COMPLETION May 2027 (anticipated)
OWNER Santa Fe Irrigation District	OWNER PROJECT MANGER Marissa Potter, PE — Director of Engineering P: 858-756-2424	KEY PERSONNEL Adam Hoch, PE — Principal in Charge / Jennifer Kerschbaum, PE — Deputy Project Manager / Richard Roth — Senior Designer	

RELEVANCE TO SEJPA

7,300 LF Pressurized Pipeline • PVC + DI Fittings • Temporary High-Lining • Phased Construction • Utility Potholing + Constructability

CORDIAL ROAD PIPELINE REPLACEMENT PADRE DAM MUNICIPAL WATER DISTRICT

BRIEF DESCRIPTION

Hoch provided engineering and design services for replacement of approximately **5,300 LF of 14- and 16-inch pressurized potable water pipeline** and decommissioning of approximately **3,250 LF of existing pipeline** following repeated main failures. The replacement incorporated ductile iron pipe, new valves and appurtenances, corrosion evaluation, utility investigations, traffic and easement coordination, and constructability reviews. The design also developed **construction phasing, temporary high-line systems, connection sequencing, flushing, and bacteriological testing procedures** to maintain customer service throughout construction while minimizing impacts to surrounding businesses and residents.

PROJECT RELEVANCE

The project addressed repeated failures of an aging pressurized water pipeline through full replacement, material selection, utility coordination, corrosion considerations, constructability review, and phased high-line strategies to maintain continuous service during construction.

DATE INITIATED July 2020	DATE OF DESIGN July 2020	DATE OF CONSTRUCTION November 2020	DATE OF COMPLETION June 2021
OWNER Padre Dam Municipal Water District	OWNER PROJECT MANGER Micael Hindle, PE — Engineering Manager P: 619-258-4632	KEY PERSONNEL Adam Hoch, PE — Principal in Charge / Project Manager / Richard Roth — Senior Design Engineer	

RELEVANCE TO SEJPA

5,300 LF Pressurized Pipeline Replacement • Repeated Pipeline Failures • Material + Corrosion Evaluation • High-Lining To Maintain Service • Constructability + Construction Phasing

MANCHESTER AVENUE PIPELINE DESIGN OLIVENHAIN MUNICIPAL WATER DISTRICT

BRIEF DESCRIPTION

Hoch provided preliminary engineering and final design for replacement of approximately **4,000 LF of aging 12-inch steel water main** with new PVC pipeline. The project included **10 major tie-ins and 36 meter reconnections**, along with evaluation of severely leaking existing valves that complicated shutdown planning and construction sequencing. Design considerations included alignment and constructability, utility and agency coordination, traffic control, permitting, and preparation of contract documents. Hoch developed a **phased implementation strategy to reduce customer outages, maintain system operations, and minimize impacts during construction**.

PROJECT RELEVANCE

The project involved replacement of an aging 12-inch pressurized water main with PVC pipeline, major tie-ins, leaking valves, phased construction sequencing, and operational planning to minimize shutdowns and maintain service in a constrained, high-traffic corridor.

DATE INITIATED June 2018	DATE OF DESIGN August 2018	DATE OF CONSTRUCTION February 2018	DATE OF COMPLETION September 2019
OWNER Olivenhain Municipal Water District	OWNER PROJECT MANGER Kimberly A. Thorner — General Manager P: 760-753-6466	KEY PERSONNEL Adam Hoch, PE — Principal in Charge / Project Manager / Richard Roth — Senior Project Designer	

RELEVANCE TO SEJPA

4,000 LF 12-inch Pipeline Replacement • 10 Major Tie-Ins + 36 Service Reconnections • Leaking Valve Constraints • Phased Sequencing To Minimize Shutdowns • Maintaining System Operations

FY2023 RECYCLED WATER PIPELINE EXTENSIONS OLIVENHAIN MUNICIPAL WATER DISTRICT

BRIEF DESCRIPTION

Hoch provided planning and preliminary engineering for approximately **5,583 LF of new 6-inch recycled water pipeline extensions** in Encinitas and Carlsbad. The project expanded OMWD's recycled water distribution system, created looped connections to improve system reliability, and converted existing irrigation customers from potable to recycled water service. Design considerations included **PVC C900 pipe, ductile iron fittings, restrained joints, thrust restraint, utility crossings, trenching, groundwater, roadway restoration, permitting, and constructability**. Hoch also coordinated with local agencies and developed cost estimates and construction scheduling to support implementation of the improvements.

PROJECT RELEVANCE

The project involved the design of pressurized recycled water pipelines using PVC C900, ductile iron fittings, restrained joints, utility coordination, groundwater considerations, constructability review, and phased implementation within active public roadways.

DATE INITIATED May 2022	DATE OF DESIGN June 2022	DATE OF CONSTRUCTION October 2023	DATE OF COMPLETION October 2024
OWNER Olivenhain Municipal Water District	OWNER PROJECT MANGER Kimberly A. Thorner — General Manager P: 760-753-6466	KEY PERSONNEL Adam Hoch, PE — Principal in Charge / Project Manager / Richard Roth — Senior Project Designer	

RELEVANCE TO SEJPA

5,583 LF Recycled Water Pipeline • PVC C900 + Ductile Iron Fittings • Restrained Joints + Thrust Restraint • Utility Conflict Coordination • Groundwater + Trenching Constructability

EL CAMINO REAL PIPELINE SOUTH CITY OF SAN DIEGO

BRIEF DESCRIPTION

Hoch is providing engineering design services for approximately **4,000 LF of new 16-inch potable water main**, including replacement and abandonment of existing pipeline segments and connections to existing transmission facilities. The project also includes rehabilitation and upsizing of the **Half Mile Drive Pressure Reducing Station**, with new pressure-regulating valves, SCADA, instrumentation, electrical improvements, and control system upgrades. Design considerations include pipe material and appurtenance selection, utility potholing and conflict resolution, trenching and groundwater conditions, corrosion, constructability, traffic control, and construction staging to support reliable system operations.

PROJECT RELEVANCE

The project combines pressurized pipeline design, pressure-regulating facility upgrades, utility conflict resolution, geotechnical considerations, and coordinated SCADA, electrical, instrumentation, and control improvements.

DATE INITIATED	DATE OF DESIGN	DATE OF CONSTRUCTION	DATE OF COMPLETION
November 2023	March 2026	September 2026	August 2028 (anticipated)
OWNER	OWNER PROJECT MANGER	KEY PERSONNEL	
City of San Diego (Hoch is a Sub to Harris & Associates)	Jason Caprio, PE — Water Engineering Director P: 661-319-9251	Adam Hoch, PE — Principal in Charge / Jennifer Kerschbaum, PE — Deputy Project Manager / Richard Roth — Senior Project Designer	

RELEVANCE TO SEJPA

4,000 LF 16-Inch Pressurized Pipeline • PRS Upgrade Mechanical & Pressure Control • SCADA + I&C Electrical & Controls • Utility / Geo Potholing, Groundwater & Trenching

ADDITIONAL PIPELINE EXPERIENCE



North River Road Pipeline Rehabilitation Rainbow Municipal Water District

Planning and design for rehabilitation of 9,200 LF of aging 15-inch VCP pipeline and associated manholes conveying critical flows to treatment facilities.

- Pipeline rehabilitation
- Aging, failure-prone infrastructure
- Condition assessment-driven design
- Manholes and critical flow conveyance



Rainbow Heights Pipeline Rainbow Municipal Water District

Design of approximately 2,000 LF of 6-inch C900 PVC transmission main extension, including fire hydrants and associated appurtenances in accordance with District standards.

- C900 PVC transmission main design
- Appurtenances and fire hydrants
- Design to current District and agency standards
- PVC pipeline replacement experience



Old Town Pipeline Replacement Rancho California Water District

Design of approximately 1,300 LF of 24-inch steel transmission main replacement, including utility potholing, constructability, and shutdown planning to maintain the existing pipeline in operation during construction.

- Potable water pipeline replacement
- Active system coordination
- Agency client experience
- Design currently in progress

Present experience of key team members with SEWC and/or its member agencies.

EXPERIENCE WITH SEJPA

Adam Hoch and Hoch Consulting have served SEJPA continuously since 2008. We bring 18 years of direct, on-the-ground familiarity with the San Elijo Water Campus, its facilities, staff, standards, and operating priorities.

Our experience includes hands-on design and construction work performed directly at SEWRF. Adam Hoch served as Engineer of Record and Construction Manager for a low-flow diversion structure at SEWRF and the Seascape Sur Ocean Outfall, as well as a second stormwater diversion structure constructed under the North San Diego County Cooperative Demineralization Project. Hoch also provided construction management and inspection for SEWRF's emergency backup generator replacement and led design of conveyor and blower replacement projects.

Beyond these projects, Hoch's long-standing support of SEJPA extends across stormwater compliance, advanced water treatment, and recycled water infrastructure.



**18+ YEARS
WORKING WITH
SEJPA**

Continuous service
since 2008



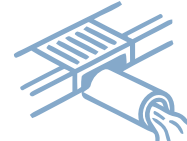
**ENGINEER OF
RECORD + CM**

SEWRF diversion
structures + Seascape
Sur Ocean Outfall



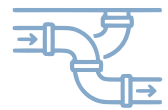
**DESIGN +
CONSTRUCTION
AT SEWRF**

Generator, conveyor +
blower improvements



**10+ YEARS
STORMWATER
SUPPORT**

SWPPP, site evaluations
+ NPDES reporting



**\$12M RECYCLED
WATER PIPELINE**

Grant administration +
recycled water system
mapping

Present the experience of any specialty consultants and demonstrate applicability of proposed services on projects of similar scope and complexity.

Identify successful working experience between prime consultant and proposed subconsultants.

SUBCONSULTANTS

Hoch has established working relationships with the proposed specialty consultants, allowing their work to be integrated efficiently into the design. Prior successful project experience, clearly defined scopes, and direct coordination with Hoch's design team will support timely deliverables and consistent quality.

Right of Way Engineering – Survey

Project Role: Supplemental survey and mapping, as needed

Relevant Expertise: Survey support for pipeline and utility infrastructure, including topographic mapping, utility features, right-of-way, and design base mapping.

History with Hoch: Successfully teamed with Hoch on San Luis Rey Valley Groundwater Recovery for survey/ROW support and Rainbow Heights Pipeline for easement mapping and ROW coordination of a 2,000-LF potable water pipeline.

Gerry Green Engineering – Electrical Engineering

Project Role: Electrical design for the new 12-inch valve actuator and integration with the plant SCADA system

Relevant Expertise: Electrical, instrumentation, controls, and SCADA design for water and wastewater facilities.

History with Hoch: Successfully teamed with Hoch for Padre Dam Municipal Water District's Alpine West Water Improvement Project, evaluating electrical demand, power connections, and controls for proposed pump station alternatives; and Rainbow Municipal Water District's Hutton & Turner Pump Stations, providing electrical, instrumentation, and controls design for three new booster pump stations.

Underground Solutions – Potholing (Optional)

Project Role: Utility potholing and verification, if required

Relevant Expertise: Vacuum excavation and utility verification to confirm horizontal and vertical locations of potential conflicts before construction.

History with Hoch: Teamed with Hoch on Rainbow MWD's Hutton & Turner Pump Stations and Padre Dam MWD's Alpine West Water Improvement Project, providing subsurface utility investigation to identify existing facilities and support pump station and pipeline design.

TAB 3: PROJECT ORGANIZATION
AND KEY PERSONNEL



PROJECT ORGANIZATION AND KEY PERSONNEL

Describe proposed project organization, including identification and responsibilities of key personnel. Identify specialty consultants and their specific role. For each of the key personnel identify their main work location.

Hoch has grown considerably in recent years, adding experienced project managers and substantial technical depth to our design program. The team below brings together proven leadership, direct SEJPA experience, and a strong track record of successfully delivering similar projects as an integrated team.



CARLSBAD, CA

Hoch Consulting's Main Work Location

2141 Palomar Airport
Road, Suite 100
Carlsbad, CA 92011

This project will be completed from our carlsbad office. All staff involved are located within close proximity of SEJPA and their facilities.



SAN ELIJO

JOINT POWERS AUTHORITY



Adam Hoch, PE, QSD, QISP

QA/QC | Constructability Review

- Overall project oversight and quality control
- Constructability and risk review
- Client coordination and responsiveness



Jennifer Kerschbaum, PE

Project Manager

- Project management and schedule
- Design coordination and deliverables
- Subconsultant management



Kenneth Muntz, PE

Senior Engineer

- Pipeline design and technical analysis
- Hydraulic and system evaluations
- Technical calculations and reports



Richard Roth

Civil / Mechanical Designer

- Civil and mechanical design
- Plans, details, and specifications
- Technical drawings and coordination

SUBCONSULTANTS

Right of Way Engineering Services

Survey

- Supplemental survey and mapping as required
- Topographic survey and utilities
- Right-of-way and easement support

📍 San Diego, CA

Gerry Green Engineering

Electrical Engineering

- Electrical design for 12-inch valve actuator
- SCADA integration and programming
- Drawings and specifications

📍 San Diego, CA

Underground Solutions

Potholing (Optional)

- Utility potholing and verification
- Vacuum excavation
- Conflict identification and documentation

📍 San Diego, CA



Adam Hoch

QA/QC | CONSTRUCTABILITY REVIEW

PE, QSD, QISP, NASSCO PACP, LACP, MACP



Adam brings more than 20 years of experience delivering water, recycled water, wastewater, and public infrastructure projects, including a long-standing history with SEJPA dating back to 2008. Having served as Engineer of Record, Project Manager, Construction Manager, and Inspector on SEJPA projects, Adam brings firsthand knowledge of the Authority's facilities, operations, and project delivery expectations. His extensive pipeline experience spans design and rehabilitation, pipeline materials, utility coordination, constructability, complex tie-ins, and maintaining service during construction. For the SEWC Recycled Water Pipeline Replacement Project, Adam will leverage this combination of direct SEJPA knowledge and pipeline expertise to provide senior QA/QC and constructability review throughout design.

YEARS OF EXPERIENCE

25

EDUCATION

B.S., Civil Engineering, *Lehigh University*

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer (Civil)
California, # C77635

Qualified SWPPP Developer
(QSD), #C77635

Qualified Industrial SWPPP
Practitioner (QISP), #C77635

NASSCO Certified PACP, LACP,
MACP, # P0045655-012024

NASSCO Certified ITCP CIPP, #
C0046149-022024

ORGANIZATIONS

American Society of Civil
Engineers

American Public Works
Association

WaterReuse

La Granada Pipeline Replacement & PRS Elimination

Santa Fe Irrigation District

Adam leads this ongoing pipeline replacement project, which includes replacement of approximately 7,300 LF of aging 4- and 6-inch ACP water main with new 4-, 8-, and 10-inch PVC pipeline and elimination of two existing pressure reducing stations. His work includes hydraulic and pressure zone evaluations, pipeline alignment and sizing, utility coordination, constructability review, PS&E, and QA/QC, with a focus on improving system reliability, fire flow, and long-term operations.

Manchester Avenue Pipeline Replacement

Olivenhain Municipal Water District

Adam led the preliminary engineering and final design for replacement of approximately 4,000 LF of aging 12-inch steel water main with new PVC pipeline. The project included 10 major pipeline tie-ins, 36 meter reconnections, and evaluation of severely leaking existing valves, requiring careful construction sequencing to maintain system operations and minimize customer shutdowns. Adam directed alignment and constructability evaluations, technical design, utility and agency coordination, permitting, traffic control, and development of the phased implementation strategy and construction documents.

FY2023 Recycled Water Pipeline Extensions

Olivenhain Municipal Water District

Adam led planning and preliminary design for approximately 5,583 LF of new 6-inch recycled water pipeline in Encinitas and Carlsbad, including system looping and conversion of existing potable irrigation services to recycled water. His responsibilities included design criteria and hydraulic evaluation, pipeline alignment development, utility and agency coordination, constructability review, permitting and environmental strategy, cost estimating, and preparation of the Preliminary Design Report. The project also addressed groundwater, utility conflicts, recycled water separation requirements, and construction constraints within developed residential and school areas.

Cordial Road Pipeline Replacement

Padre Dam Municipal Water District

Adam led delivery of the replacement of approximately 5,300 LF of aging 14- and 16-inch potable water pipeline following a history of repeated main breaks. His responsibilities included alignment development, utility conflict resolution, permitting and traffic control coordination, QA/QC, constructability review, and construction sequencing to minimize shutdowns and maintain customer service.

Adam Hoch, PE, QSD, QISP

QA/QC | CONSTRUCTABILITY REVIEW

The project replaced failure-prone PVC infrastructure with new ductile iron pipeline and included associated valves, appurtenances, service connections, and corrosion protection measures.

North River Road Sewer Outfall Rehabilitation **Rainbow Municipal Water District**

Adam led planning and design for rehabilitation of approximately 9,200 LF of 15-inch VCP sewer outfall and associated manholes. His work included condition assessment, CCTV review, trenchless rehabilitation planning, CIPP design, spot repair recommendations, manhole rehabilitation, preparation of bid documents, and QA/QC. The project was implemented in phases to address structural deficiencies and extend the service life of a critical wastewater conveyance facility while maintaining system operations.

Rainbow Heights Pipeline **Rainbow Municipal Water District**

Adam provided senior technical oversight for the design of approximately 2,000 LF of 6-inch C900 PVC water pipeline, including service connections and fire hydrants. The alignment traversed a rural hillside corridor with elevation changes, existing utilities, overhead poles, vegetation, and other physical constraints. Adam oversaw development of plan and profile drawings and a detailed site-constraints exhibit to support constructable installation by the District's in-house crews.

El Camino Real Pipeline South **City of San Diego**

Adam provides senior technical and quality oversight for design of approximately 4,064 LF of new 12- and 16-inch water main, including replacement and abandonment of existing pipeline segments and upgrades to the Half Mile Drive Pressure Reducing Station. His work includes review of existing infrastructure and utility information, field verification, utility conflict and constructability evaluation, development of 60% and 100% pipeline design drawings, and preparation of plan and profile sheets for the new PVC water mains. The project also includes coordinated PRS, SCADA, electrical, and controls improvements to enhance system reliability and pressure management.

SEWRF & Seascape Sur Low-Flow Diversion Structure

San Elijo Joint Powers Authority

Adam led planning, design, bidding, and construction delivery for low-flow diversion improvements at SEWRF and the Seascape Sur Ocean Outfall. The projects diverted polluted urban runoff from the storm drain system to the sanitary sewer for treatment, helping reduce pollutant discharges to the San Elijo Lagoon and Pacific Ocean. Adam prepared preliminary and final design documents, coordinated bidding and contractor procurement, and provided construction management and inspection. Improvements included diversion structures, PVC and storm drain piping, pumps, electrical conduit and wiring, and custom control panels.

SEWRF Emergency Power

San Elijo Joint Powers Authority

Adam provided construction management and inspection for SEJPA's \$1.1 million emergency power improvements at the San Elijo Water Reclamation Facility and San Elijo Hills Pump Station, including installation of a new 800-kW generator at SEWRF and a 60-kW generator at the pump station. His responsibilities included daily field oversight, RFI and pay application review, change order preparation, specialty inspection coordination, materials inspection, and project closeout. Adam also identified and helped resolve significant equipment deficiencies in the delivered 800-kW generator before final acceptance.



Jennifer Kerschbaum

PROJECT MANAGER

PE



Jennifer brings extensive experience managing the planning and design of water and utility infrastructure projects, with particular expertise in pipeline design, utility coordination, permitting, and multidisciplinary project delivery. As Project Manager, she will lead day-to-day delivery of SEJPA's recycled water pipeline replacement, drawing on her experience advancing pipeline projects through field investigations, design development, regulatory coordination, and preparation of bid-ready construction documents. Jennifer's hands-on approach to resolving utility conflicts, coordinating technical disciplines, and maintaining project momentum will help SEJPA efficiently advance the project from preliminary design through construction.

YEARS OF EXPERIENCE

15

EDUCATION

B.S., Civil Engineering,
University of California – Los Angeles

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer (Civil)
California, # 66414

ORGANIZATIONS

American Society of Civil
Engineers

President, Vallecitos Water
District Board (Elected 2024)
Current term expires 2028

Director, San Diego County
Water Authority (appointed
2025)

La Granada Pipeline Replacement & PRS Elimination

Santa Fe Irrigation District

Jennifer supports day-to-day delivery of this ongoing pipeline replacement and system reconfiguration project, including replacement of approximately 7,300 LF of aging ACP water main with new PVC pipeline and elimination of two existing pressure reducing stations. Her responsibilities include multidisciplinary design coordination, utility conflict resolution, hydraulic improvement coordination, constructability review, permitting support, and preparation of final plans, specifications, contract documents, addenda, and bid-ready deliverables. She also helps coordinate the pressure zone consolidation and related design decisions needed to improve system reliability and operational flexibility.

El Camino Real Pipeline South

City of San Diego

Jennifer serves as Senior Project Engineer for the replacement of a large-diameter water transmission pipeline within a constrained urban corridor. Her responsibilities include development of pipeline alignments and design layouts, coordination of survey data and utility mapping, and resolution of utility conflicts to improve constructability and reduce construction risk. Jennifer also prepares PS&E documents including trench details, traffic control plans, and construction staging requirements, while supporting permitting coordination and QA/QC review.

Old Town Front Street Pipeline Replacement

Rancho California Water District

Jennifer provides project management and technical oversight for the replacement of approximately 1,300 LF of 24-inch CML&C steel transmission main through Old Town Temecula. She coordinates the design team, District staff, utilities, and stakeholders while managing an accelerated schedule. Jennifer also led coordination of alignment revisions and shutdown planning to maintain operation of the existing pipeline during construction and improve constructability.

Potable Water Supply Pipeline Design & Permitting

Victor Valley Municipal Water District

Jennifer serves as Deputy Project Manager for the design and permitting of a new potable water supply connection to improve reliability and fire-flow capacity for VVWRA's Regional Treatment Plant and associated facilities. The project includes approximately 7,100 LF of 12-inch and 1,800 LF of 4-inch potable water pipeline, PRV stations, meters, and fire hydrants. Jennifer leads CEQA and federal permitting, environmental compliance, and agency and utility coordination.



Kenneth Muntz

SENIOR ENGINEER

PE



Ken Muntz is a civil engineer with 12 years of experience in the planning and design of water and wastewater infrastructure, with particular expertise in pressurized pipeline systems, pipeline rehabilitation, pump stations, reservoirs, and groundwater facilities. His experience spans preliminary engineering through final design and construction, including hydraulic analysis, technical reports, plans and specifications, cost estimating, permitting, utility and agency coordination, bid support, and engineering services during construction. Ken has designed water and sewer pipelines ranging from 6 to 42 inches in diameter and brings practical experience addressing congested utility corridors, trenchless construction, complex crossings, constructability, and maintaining reliable system operations during infrastructure improvements.

YEARS OF EXPERIENCE

12

EDUCATION

B.S., Civil Engineering,
*California State University –
Long Beach*

REGISTRATIONS/ CERTIFICATIONS

Professional Engineer (Civil)
California, # 66414

ORGANIZATIONS

Engineers Without Borders
(EWB)

Orangewood Avenue and Dale Street Water Improvements

City of Garden Grove

Ken served as Project Engineer for approximately 7,000 LF of 8- and 12-inch water distribution main improvements in Garden Grove and Stanton. The project included replacement and upsizing of existing water mains and installation of new fire hydrants, laterals, and meters. Ken was responsible for client coordination, site investigations, design meetings, and preparation of plans, specifications, and cost estimates in accordance with County of Orange, City of Stanton, and City of Garden Grove requirements, as well as bid phase support.

Murrieta Road Transmission Main

Eastern Municipal Water District

Ken served as Pipeline Engineer for the design of approximately 6,800 LF of 36- and 42-inch CML&C steel transmission main along Murrieta Road. The expedited project included a microtunnel crossing of Salt Creek, congested utility corridors, easement acquisition, and coordination with planned City of Menifee improvements. Ken prepared technical memoranda, the preliminary design report, plans, specifications, and cost estimates and coordinated with the District, subconsultants, Riverside County Flood Control and Water Conservation District, and other agencies.

New Supply Recycled Water and Potable Water Pipelines

Barona Band of Mission Indians

Ken served as Project Engineer for the design of new potable and recycled water supply pipelines connecting the Reservation to Ramona Municipal Water District facilities. The potable water improvements included approximately 39,000 LF of 12-inch pipeline, a small pump station, and a pressure reducing station, connecting to Ramona's existing 16-inch pipeline in San Vicente Road. Ken prepared the preliminary design report establishing the proposed alignment and key design requirements for the new supply system.

Groundwater Treatment Plant Wells 1 & 2 Drilling and Equipping

City of Long Beach

Ken served as Project Engineer for the drilling and equipping of two new groundwater wells at the City's treatment plant. His responsibilities included preparation of plans and specifications, design calculations, and subcontractor coordination. Ken also provided bid and construction phase support through implementation of the new well facilities.



Richard Roth

CIVIL / MECHANICAL DESIGNER



Richard brings extensive experience in civil and mechanical design for water and utility infrastructure, with a strong focus on pipeline replacement, alignment development, utility coordination, constructability, and production of bid-ready construction documents. His experience includes PVC and ductile iron pipeline systems, complex tie-ins, service connections, valves and appurtenances, phased construction, and constrained utility corridors. As Civil/Mechanical Designer for the SEWC Recycled Water Pipeline Replacement Project, Richard will support detailed pipeline and valve configuration design, translating the team's engineering decisions into coordinated, constructible plans and details that address SEWC's operational and field constraints.

YEARS OF EXPERIENCE

38

EDUCATION

AA, CADD Computer
Technician, *Platt College*

REGISTRATIONS/ CERTIFICATIONS

10-Hour Construction Outreach
Training

4-Hour Field Safety

Amtrak - Roadway Worker
Protection On-Track Safety

CPR

Defensive Driving Awareness
Training

First Aid

Hazard Communication (US)/
WHMIS (Canada)

Project Management - Basic
Safety Orientation

ORGANIZATIONS

California Land Surveyors
Association (CLSA)

La Granada Pipeline Replacement & PRS Elimination

Santa Fe Irrigation District

Richard supports design production for this ongoing pipeline replacement and system reconfiguration project, including replacement of approximately 7,300 LF of aging ACP water main with new PVC pipeline and elimination of two existing pressure reducing stations. His work includes development of pipeline plan sets, construction drawings, technical details, and design submittals, supporting the project team through preliminary and final design. Richard's role focuses on translating engineering decisions into coordinated, constructible documents for bidding and construction.

Cordial Road Pipeline Replacement

Padre Dam Municipal Water District

Richard served as Assistant Project Manager and Lead Designer for replacement of approximately 5,300 LF of aging 14- and 16-inch PVC water main with new 8-, 10-, and 16-inch ductile iron pipe. He led preparation of plan and profile drawings, utility tie-in coordination, conflict resolution, integration of survey and utility data, and bid-ready construction documents, while helping ensure the design remained constructible within a constrained roadway corridor and accelerated schedule.

Manchester Avenue Pipeline Replacement

Olivenhain Municipal Water District

Richard served as Design Engineer and Senior Civil Designer for replacement of approximately 4,000 LF of aging 12-inch steel water main with new PVC pipeline. He led preparation of design drawings and construction documents, pipeline alignment studies, service and meter reconnections, utility coordination, constructability review, and phased construction sequencing. The design included approximately 10 major tie-ins and 36 meter reconnections and was developed to minimize shutdowns and maintain water service within a constrained, high-traffic corridor.

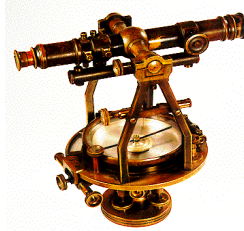
Rainbow Heights Pipeline

Rainbow Municipal Water District

Richard led design production for approximately 2,000 LF of 6-inch C900 PVC water pipeline, including service connections and fire hydrants for construction by District crews. His work included plan and profile development, utility and survey integration, site-constraint mapping, QA/QC, and preparation of construction and as-built drawings. The design addressed hillside grades, utility conflicts, drainage crossings, overhead poles, vegetation, and other field constraints along the alignment.

Right-Of-Way Engineering Services, Inc.

Land Surveying



Michael Schlumpberger, PLS
President

Project assignment:
Project Manager
Survey Supervisor

Education:

A.A., Surveying, Palomar College, California
A.A., General Education, Palomar College, California
Joint apprenticeship program training
Continuing education courses, seminar, workshops and specific equipment training

Professional registration and affiliation:

Professional Land Surveyor-California, 2001 (#7790)
California Land Surveyors Association member, State and local chapter

Relevant experience:

Michael Schlumpberger has 37 years' experience in all aspects of municipal surveying projects including horizontal and vertical control surveys, boundary surveys, GPS surveys, and construction staking. He is well versed in all aspects of the surveying industry.

Roadway improvement experience includes design surveys for numerous street widening and re-alignment projects ranging in size from small residential street improvements to Caltrans highways. Services performed include GPS horizontal and vertical control networks, boundary surveys to determine existing right of way, document preparation for additional acquisition, locating existing encumbrances, cross section of existing roadways, utility research, utility location, aerial mapping, monument preservation, and construction staking.

Michael has overseen and conducted complex boundary surveys on various project types and sizes. Completed projects include miles of proposed roadway, existing road right of way, long pipeline corridor alignments, military bases, sectionalized land, remote communication tower sites, wind turbine sites, surface mining limits and municipal facility sites. Records of surveys documenting these boundary surveys that extend throughout many southern California counties have been filed with the respective county surveyor.

In addition, Michael has provided oversight on a multitude of water and sewer projects which include aerial photogrammetry control, boundaries, right of way surveys, utility location and construction staking for reservoirs, treatment plants, pumping stations, large diameter engineered pipe and small diameter replacement lines.

Michael now serves as President and project oversight providing expertise in boundary locations, mapping, right of way acquisition and field procedures.

GERRY GREEN INC.

Consulting Electrical Engineers

GERRY GREEN, PE
Principal Electrical Engineer

EDUCATION

1986-1994 San Diego Mesa College

1995-1997 San Diego State University, Electrical Engineering

PROFESSIONAL EXPERIENCE

California P.E. License E-15691 issued in 1998

Mr. Green is a California registered electrical engineer with over thirty years' experience in electrical design and engineering analysis projects. He specializes in Industrial power systems including electrical, instrumentation, and control systems for water and wastewater industrial facilities. Recent project experience includes water pump stations, wells, water/wastewater treatment plants, and sewer lift stations.

Green performs electrical power and control system design, electrical power system analysis: short circuit, load flow, protective device coordination, and arcflash hazard studies. Construction support services include review of material and equipment submittals and periodic monitoring of construction progress for compliance with contract documents. Green's active design involvement in projects from concept design through construction completion keeps him current with industry design trends, advances in equipment technology, and potential constructability issues.

Examples of relevant design project experience are outlined below:

WATER PUMP STATIONS & RESERVOIRS:

- **Rosecrans Booster Pump Station, Buena Park, CA**

Electrical Engineer performing the electrical and instrumentation and control system designs for a booster pump station with (3) 50HP and (2) 150HP pumps. Pump mechanical system design flows included domestic water and fire water flow. Electrical system included upgraded electrical utility service, emergency generator, and motor control center with variable frequency drives for pumps. Lighting and general power for pump station building also included. Instrumentation and controls system included pressure instruments, flow instruments, treatment instruments, VFD controls, pump shutdown controls, and SCADA PLC controls and telemetry.

- **Morro Hills No. 1 and No. 2 Reservoir Repairs, Oceanside, CA**

Electrical Engineer performing the electrical and instrumentation and control system designs for a packaged booster pump station with (3) 60HP pumps. Pump mechanical system design flows included domestic water and fire water flow. Electrical system included upgraded electrical utility service, emergency generator, and packaged pump system variable frequency drive control panel. Lighting and general power for pump station building also included. Instrumentation and controls system included pressure instruments, flow instruments, treatment instruments, pump shutdown controls, and SCADA PLC controls and telemetry.

- **Fire Mountain Recycled Water Reservoir and Pump Station, Oceanside, CA**

Electrical Engineer performing the electrical and instrumentation and control system designs for a New 2.2MG Reservoir and Pump Station with (4) 25HP pumps. New electrical utility service, packaged pump system with variable frequency drive control panel, lighting, and general power.



Thomas C. Mueller

VP Field Operations

Thomas (T.C.) Mueller has over thirty (30) years of hands-on general engineering contracting experience in the counties of San Diego, Orange, LA, Riverside and San Bernardino area with emphasis on safety and production. Familiarity with various types of utility installation, soil conditions, excavation equipment, traffic control and safe practices. Experience installing utilities is found to be invaluable in determining locations and depths of existing utilities when potholing and locating.

Education

1989 Orange Glen High School – Escondido, CA

Licenses/Certifications

10-Hr OSHA, Competent Person/Confined Space, HAZCOM-MSDS, Jobsite Safety Inspection, Staking University Certificate of Locating Competency (Electro-magnetic instruments) Louisiana Tech University Certificate of Utility Investigation

Years of Experience

30+ years

Firms

Underground Solutions, 2003 – Current

Garver West
2000 - 2003

Southern Contracting, Inc
1989 - 2000

RELEVANT EXPERIENCE

Customer	Project Name	Year	City/County	Description
City Lake Elsinore	Temescal Canyon Bridge	2017	Lake Elsinore	Utility Potholing via Air Excavation Potholing
Engineering Resource	Lake Elsinore City Hall Reconstruction	2024	Lake Elsinore	Utility Potholing via Air Excavation Potholing
Eastern Municipal Water	Cawston LS	2026	Hemet	Utility Potholing via Air Excavation Potholing
Eastern Municipal Water	Tanglewood , Ethanac ', Indian Water line Upgrade	2025	Menifee	Utility Potholing via Air Excavation Potholing
Eastern Municipal Water	Menifee Rd 24" Waterline	2023	Menifee	Utility Potholing via Air Excavation Potholing
Eastern Municipal Water	N. & S. Wine Country Sewer	2023	Temecula	Utility Potholing via Air Excavation Potholing
Eastern Municipal Water	Geotz Rd Transmission Pipeline	2023	Menifee	Utility Potholing via Air Excavation Potholing
Krieger Stewart	East Valley Water Seismic retrofit	2026	San Bernardino	Utility Potholing via Air Excavation Potholing
Arduzza	Carancho PS	2024	Murrieta	Utility Potholing via Air Excavation Potholing
Kennedy Jenks	Vic Trace Reservoir	2025	Santa Barbara	Utility Potholing via Air Excavation Potholing
Kennedy Jenks	Honby Tank Pipeline	2025	Santa Clarita	Utility Potholing via Air Excavation Potholing

TAB 4: PROJECT APPROACH



PROJECT APPROACH

The project approach section shall set forth the Consultant's plan and ideas for achieving the Project goals. The project approach should include considerations of the following key project issues:

PROJECT UNDERSTANDING

SEJPA's recycled water system is a critical component of regional water reuse, conveying recycled water from the San Elijo Water Campus (SEWC) to customers served by SEJPA, the City of Encinitas, Olivenhain Municipal Water District, and Santa Fe Irrigation District.

At the SEWC, two existing 12-inch ductile iron recycled water pipelines extend from the recycled water pump station and have been in service since 2001.

1,100 LF

Recycled Water Pipeline to be Replaced

12-INCH

Ductile Iron Pressurized Pipeline

2 REACHES

Northern (~370 LF)
Southern (~630 LF)

6 LEAKS

Southern Reach Since 2013

4 LEAKS

In 2025-2026 Alone

FIGURE 1. Existing Alignments Of 12-Inch R_w Pipeline To Be Replaced



SOUTHERN REACH — Constrained Alignment & Maintaining Access

The southern reach follows a constrained alignment approximately 3 to 4 feet west of the existing chain-link fence along the SEWC main access road to Manchester Road.

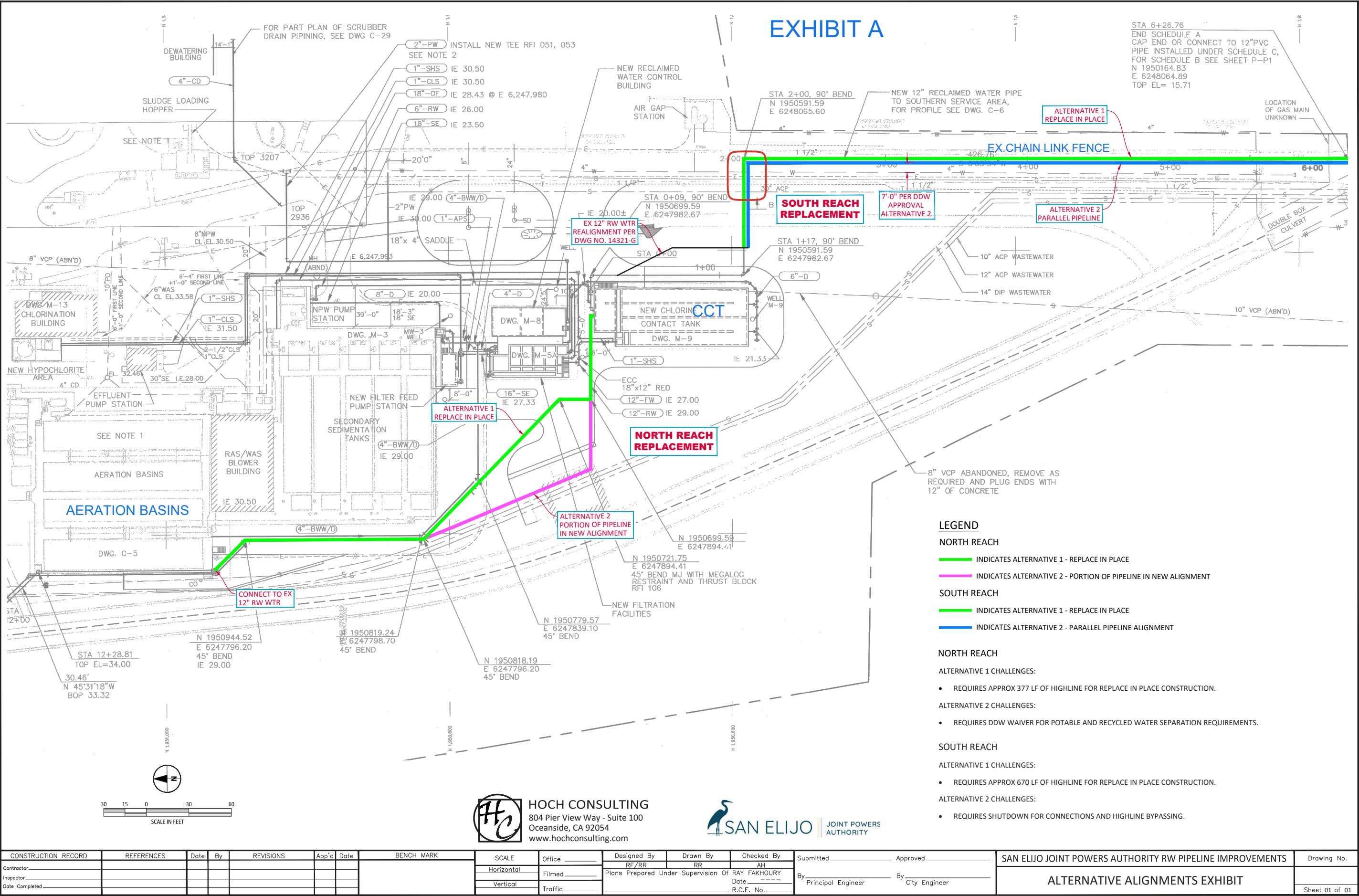
Maintaining access and coordinating construction within this active facility corridor will be important considerations in developing the replacement alignment and construction sequencing.



NORTHERN REACH — Utility Coordination & Future Expansion

The northern reach is located in a more open area west of the existing aeration facilities, with the existing pipeline approximately 4 to 5 feet deep. Record drawings indicate three existing wastewater pipelines (10-, 12-, and 14-inch) and an existing 4-inch backwash water line south of the aeration facilities. Additional utilities may be present that are not clearly shown.

SEJPA has requested evaluation of an alternative alignment that preserves space for future facility expansion and upgrades. Hoch will verify existing utilities and evaluate routing alternatives to avoid conflicts, maintain facility operations, and preserve flexibility for future SEWC improvements.



PRELIMINARY PROJECT CHALLENGES AND APPROACH

PROJECT CHALLENGE	HOCH'S APPROACH
Maintain Access During Southern Reach Pipeline Replacement The southern reach is located within SEWC's constrained main access corridor, requiring construction to maintain access to treatment facilities and minimize disruption to recycled water service.	The main access road is approximately 20 feet wide, with the existing 12-inch recycled water pipeline approximately 4 feet from the fence line. During preliminary design, Hoch will evaluate two alignment and construction alternatives. ALT. 1 – Replace In Existing Trench Remove and replace the pipeline within the existing alignment. Key considerations include temporary highlining, potential fence removal/replacement, and pavement restoration. ALT. 2 – Construct Parallel Pipeline Install a new 12-inch pipeline parallel to the existing line and abandon the existing pipeline in place. This alternative could reduce the extent and duration of highlining, but requires careful routing through the utility-congested corridor and coordination with the existing fence and access road. OUR FOCUS. Evaluate facility access, utility conflicts, service continuity, constructability, restoration impacts, and cost to identify the preferred southern reach alignment.
Preserve Space for Future SEWC Facilities Evaluate an alternative northern reach alignment that reduces impacts to open space needed for future facility expansion and upgrades.	Based on Hoch's review of available record drawings, approximately 125 feet of the northern reach may be realigned parallel to the existing 14-inch DIP pipeline, reducing the replacement pipeline's footprint within the open area. OUR FOCUS. Verify existing utilities and field conditions, evaluate the feasibility of the parallel alignment, and refine the route to preserve as much space as practical for future SEWC improvements while avoiding utility conflicts and maintaining facility operations.
Maintain Filter & Chlorine Contact Basin Operations Construction is anticipated from October/November 2027 through March 2028, requiring pipeline and valve work to be carefully coordinated with winter facility operations.	Hoch will coordinate required shutdowns and allowable durations with SEJPA O&M staff early in design and develop the approximately 50-foot pipeline and valve work for expedited construction. OUR FOCUS. Confirm materials and equipment are procured, delivered, and ready on site before the planned shutdown, allowing the contractor to execute the work efficiently and minimize impacts to filter and chlorine contact basin operations.
Construction Staging Within an Active Facility Provide adequate contractor staging while maintaining facility access and minimizing impacts to ongoing SEWC operations.	Hoch will coordinate with SEJPA O&M staff to identify staging areas that minimize conflicts with facility operations. The northern portion of the site appears to offer the most feasible staging area and will be evaluated during design. OUR FOCUS. Establish construction access routes, delivery procedures, and appropriate delivery times to minimize conflicts with SEWC staff, facility traffic, and ongoing operations.
Shutdowns, Highlining & Construction Sequencing Sequence construction to maintain recycled water service and avoid extended disruption to SEWC operations.	Hoch will develop a draft construction sequence at the 50% design stage, identifying anticipated shutdowns, temporary highlining needs, and operational constraints for review with SEJPA. Feedback from SEJPA O&M staff will be incorporated as the design advances. OUR FOCUS. Refine the construction sequence and anticipated schedule at the 90% and 100% design stages so shutdown requirements, temporary service, and operational constraints are clearly defined before bidding.

PROJECT DELIVERY

Hoch's familiarity with SEJPA staff, review processes, and SEWC standards reduces onboarding time and allows our team to move directly into productive work from notice to proceed. We will begin with a project kickoff meeting, establish and maintain the design schedule, and support biweekly progress meetings and milestone design reviews.

Design Schedule & Milestone Reviews

To support SEJPA's requested six-month design schedule, **Hoch recommends considering two design submittals at 75% and 100%, rather than the 50%, 90%, and 100% milestones identified in the RFP. This streamlined approach would provide a meaningful intermediate review while allowing more time for design advancement between submittals.**

If SEJPA elects to retain all three milestones, Hoch will coordinate closely with staff to establish focused review periods and promptly resolve comments to maintain the overall schedule.

QA/QC at Every Design Milestone

Hoch will apply its documented QA/QC process throughout predesign and design, including independent technical and cross-discipline reviews, constructability checks, and Bluebeam Revu-based markup and comment resolution. QA/QC will be completed before each milestone submittal to verify design accuracy, coordination, and constructability.

Designing to the Construction Window

The RFP identifies a targeted construction window of November 2027 through March 2028, when filter and chlorine contact basin operations can more readily accommodate planned shutdowns.

Hoch will work backward from this construction window, sequencing design, SEJPA reviews, bidding, procurement, and construction milestones to maintain the targeted schedule.

Early Valve & Actuator Procurement

Upon NTP for the automated valve replacement, Hoch will engage preferred suppliers to confirm procurement requirements and lead times for the new 12-inch valve and electric actuator.

If long-lead times could affect the construction schedule, Hoch will evaluate pre-purchase with SEJPA and assist in preparing the necessary procurement documents so critical equipment is available when needed.

PIPE SELECTION AND RELATED DESIGN DECISIONS

The primary objective is to replace the existing corrosion-prone ductile iron pipeline with a durable, corrosion-resistant piping system appropriate for SEWC's operating conditions. PVC C900 is a strong candidate and will serve as the initial basis of design; however, Hoch will confirm its suitability along each reach, particularly immediately downstream of the pump station where pressure cycling, surge, vibration, and thrust forces may influence material selection and system configuration.

01 Existing Conditions

- 25-year-old DI pipeline
- Corrosion-driven leaks
- Two reaches from RW pump station

02 Hydraulic / Surge Conditions

- Pump starts/stops
- Pressure cycling
- Transient surge events
- Vibration & thrust forces
- Cyclic fatigue

03 Material Evaluation

- PVC C900
- HDPE
- Fusible PVC
- FRP

04 System Design Decisions

- Thrust restraint
- Air release/blowoff
- Fittings & joint types
- Bedding & trenching
- Tie-ins & appurtenances

05 Construction & Operations

- Phased construction
- Sequenced tie-ins
- Maintain service
- Long-term reliability

Material Evaluation Criteria

- ☒ Corrosion Resistance
- ☒ Pressure Class & Surge/Fatigue Capacity

- ☒ Joint & Thrust Restraint
- ☒ Constructability in SEWC Corridor

- ☒ Tie-in Compatibility
- ☒ Maintenance Requirements
- ☒ Lifecycle Cost



This constructability-first approach builds on Hoch's experience with Cordial Road and Manchester Avenue pipeline replacements, where phased construction, tie-ins, and temporary service were coordinated to maintain operations. At SEWC, we will develop the draft sequence of construction early in design, incorporating SEJPA's operational input on shutdowns, tie-ins, and temporary highlining between the filters and chlorine contact basins.

ACTUATED VALVE CONSIDERATIONS

SEJPA's objective is to relocate the existing buried 12-inch filtered water diversion valve and electric actuator to an accessible above-grade configuration. Hoch will validate SEJPA's conceptual layout during preliminary design, confirm field conditions and operational requirements, and refine the configuration as needed to provide safe, reliable access for SEWC O&M staff.

1. Verify Existing Conditions

- Field measurements & elevations
- Existing 12-inch DIP alignment
- RW pipeline crossing
- Available space & access

2. Validate SEJPA's Concept

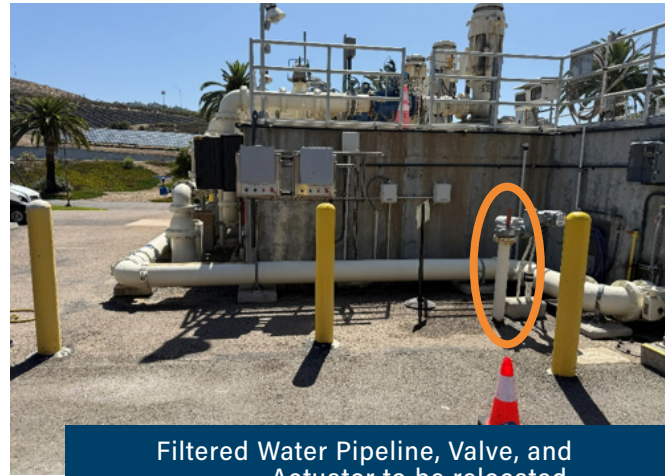
- East filter wall configuration
- Above-grade piping layout
- Valve & actuator location
- O&M access / clearances

3. Select Valve & Actuator

- Valve type & configuration
- Electric actuator requirements
- Operating conditions
- Controls / SCADA integration
- Maintainability & reliability

4. Field QA/QC

- Pipe supports & restraint
- Fittings & connections
- Electrical / controls
- Constructability & sequencing
- Safe O&M access



Filtered Water Pipeline, Valve, and Actuator to be relocated.



DESIGN PRIORITY. Move the valve and actuator above grade while maintaining reliable filtered water operations and providing SEWC staff with safe, unobstructed access for operation, inspection, and maintenance.

Valve & Actuator Selection Criteria

- | | |
|---|--|
| ☒ Valve Type | ☒ Position Feedback |
| ☒ Fail Position | ☒ Local Controls |
| ☒ Open/Close Duty | ☒ SCADA Interface |
| ☒ Torque Requirements | ☒ Environmental Rating |
| ☒ Actuator Sizing | ☒ Manual Override |

RISK MANAGEMENT

Hoch will actively manage project risks from preliminary design through bidding, focusing on issues that could affect schedule, cost, constructability, or SEWC operations. Based on our review of the project scope and existing conditions, the following risks warrant early attention.

Evaluation Criteria	Hoch's Mitigation Approach
Utility Conflicts	VERIFY BEFORE DESIGN IS LOCKED. Review available utility information and perform targeted potholing in congested areas to establish horizontal and vertical locations before finalizing alignment and tie-ins.
Groundwater & Dewatering	USE EXISTING DATA FIRST. Review the 2019 geotechnical investigation to confirm anticipated trench conditions. If gaps remain, Atlas can perform up to two supplemental borings in areas where additional information is needed.
Maintaining Winter Operations	DESIGN AROUND SEWC OPERATIONS. Coordinate allowable shutdown durations with SEJPA O&M staff and incorporate phasing, temporary service/highlining, and sequencing requirements directly into the contract documents.
Supply Chain & Cost Escalation	CONFIRM PROCUREMENT REQUIREMENTS EARLY. Engage preferred suppliers following NTP to verify lead times and identify whether early procurement or pre-purchase is needed to protect the November 2027 construction start.
Contractor Availability & Bid Competition	BUILD CONTRACTOR INTEREST. Conduct early outreach to qualified pipeline contractors to increase awareness of the project and support a strong, competitive bidding environment.

LEVEL OF EFFORT

SEJPA - RECYCLED WATER REPLACEMENT PROJECT

August 20, 2026

Project Task	Hoch Consulting Labor						Subconsultants		
	QA/QC (AH)	Project Manager (JK)	Senior Civil Designer (RR)	Senior Engineer (KM)	Admin Support (LM)	Total Hoch Labor Hours	GREEN ELECTRICAL	USI (Potholing)	ROW Engineering (Survey)
TASK 1 - PROJECT MANAGEMENT	4	36	6	6	8	60	0	0	0
1.1 Management		16			8	24			
1.2 Meetings (a total of 8 meetings assumed including Kickoff)		16	6	6		28			
1.3 Quality Control Plan	4	4				8			
TASK 2 - PRE-DESIGN SERVICES	8	12	18	32	0	70	0	0	16
2.1 Surveying			2			2			16
2.2 Geotechnical		4				4			
2.3 Preliminary Design	8	8	16	32		64			
TASK 3 - DESIGN	22	64	172	72	0	330	72	0	0
3.1 50% Design Submittal	6	16	72	24		118			
3.2 90% Design Submittal	8	24	60	24		116	36		
3.3. 100% Design Submittal (Final)	8	24	40	24		96	36		
3.4 Construction Implementation						0			
3.5 Drawing List and Technical Specifications						0			
TASK 4 - BID Phase Services	2	20	36	52	0	110	0	0	0
4.1 RFI and Addendums		6	16	16		38			
4.2 Prebid Meeting		4		4		8			
4.3 Bid Evaluation		6		16		22			
4.4 Confirmed Construction Documents	2	4	20	16		42			
TOTAL	36	132	232	162	8	570	72	0	16
TASK 5 - OPTIONAL / ADDITIONAL SERVICES	0	4	12	16	0	32	0	82	8
5.1 Potholing (10)			4	4		8		50	8
5.2 Utility Locating Services			4	4		8		32	
5.3 Valve and Actuator Procurement Package		4	4	8		16			

TAB 5: CONSULTANT SCHEDULE
ESTIMATE



5. CONSULTANT SCHEDULE ESTIMATE

Provide a Gantt chart formatted schedule consistent with the Consultant's scope of work outlining task durations, deliverables and milestones and SEJPA review periods. SEJPA anticipates bidding the project's construction within 9 months of issuing notice to proceed for design of this Project.

Hoch developed the preliminary project schedule to meet SEJPA's targeted project delivery timeline, including bidding the project within nine months of notice to proceed. Based on our current understanding of the scope, the proposed schedule is achievable. The schedule assumes approximately three months for bid advertisement, bid evaluation, and award.

SEJPA RECYCLED WATER PIPELINE - PRELIMINARY SCHEDULE

TASK	DURATION (months)	2026					2027											
		AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TASK 1: Project Management	6																	
TASK 2: Basis of Design Report	1																	
TASK 3: Design Submittals & SEJPA Review	5																	
TASK 5: Bid Advertisement	3																	
TASK 5: Construction	6																	



TAB 6: CONSULTANT
COMMENTS TO SAMPLE
AGREEMENT



6. CONSULTANT COMMENTS TO SAMPLE AGREEMENT

Attached to this RFP is a sample of the Professional Services Agreement that the selected Consultant will be expected to execute. Consultant shall identify any exceptions taken to the sample agreement and provide alternative language for SEJPA's consideration.

Hoch takes no exceptions to the Sample Professional Services Agreement and finds the agreement acceptable as presented.





HOCH CONSULTING
WWW.HOCHCONSULTING.COM

**FEE ESTIMATE FOR
SEJPA - RECYCLED WATER REPLACEMENT PROJECT
August 30, 2026**

Hoch Consulting

	Hoch Consulting Labor							Subconsultants				Direct Costs†	Total Fees*
Project Task	QA/QC (AH)	Project Manager (JK)	Senior Civil Designer (RR)	Senior Engineer (KM)	Admin Support (LM)	Total Hoch Labor Hours	Total Hoch Labor Cost	GREEN ELECTRICAL	USI (Potholing)	ROW Engineering(Survey)	Consultant Markup 7%	Reproduction, Milage & Postage	Total
	\$295	\$249	\$169	\$220	\$155								
TASK 1 - PROJECT MANAGEMENT	4	36	6	6	8	60	\$ 13,718	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,718
1.1 Management		16			8	24	\$ 5,224				\$ -		\$ 5,224
1.2 Meetings (a total of 8 meetings assumed including Kickoff)		16	6	6		28	\$ 6,318				\$ -		\$ 6,318
1.3 Quality Control Plan	4	4				8	\$ 2,176				\$ -		\$ 2,176
TASK 2 - PRE-DESIGN SERVICES	8	12	18	32	0	70	\$ 15,430	\$ -	\$ -	\$ 6,580	\$ 461	\$ 200	\$ 22,671
2.1 Surveying			2			2	\$ 338			\$ 6,580	\$ 461		\$ 7,379
2.2 Geotechnical		4				4	\$ 996				\$ -		\$ 996
2.3 Preliminary Design	8	8	16	32		64	\$ 14,096				\$ -	\$ 200	\$ 14,296
TASK 3 - DESIGN	22	64	172	72	0	330	\$ 67,334	\$ 7,500	\$ -	\$ -	\$ 525	\$ 600	\$ 75,959
3.1 50% Design Submittal	6	16	72	24		118	\$ 23,202				\$ -	\$ 200	\$ 23,402
3.2 90% Design Submittal	8	24	60	24		116	\$ 23,756	\$ 3,750			\$ 263	\$ 200	\$ 27,969
3.3. 100% Design Submittal (Final)	8	24	40	24		96	\$ 20,376	\$ 3,750			\$ 263	\$ 200	\$ 24,589
3.4 Construction Implementation						0	\$ -				\$ -		\$ -
3.5 Drawing List and Technical Specifications						0	\$ -				\$ -		\$ -
TASK 4 - BID Phase Services	2	20	36	52	0	110	\$ 23,094	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 23,194
4.1 RFI and Addendums		6	16	16		38	\$ 7,718				\$ -		\$ 7,718
4.2 Prebid Meeting		4		4		8	\$ 1,876				\$ -	\$ 100	\$ 1,976
4.3 Bid Evaluation		6		16		22	\$ 5,014				\$ -		\$ 5,014
4.4 Confirmed Construction Documents	2	4	20	16		42	\$ 8,486				\$ -		\$ 8,486
TOTAL BASE FEE	36	132	232	162	8	570	\$ 119,576	\$ 7,500	\$ -	\$ 6,580	\$ 986	\$ 900	\$ 135,542
TASK 5 - OPTIONAL / ADDITIONAL SERVIVES	0	4	12	16	0	32	\$ 6,544	\$ -	\$ 17,225	\$ 1,650	\$ 1,321	\$ -	\$ 26,740
5.1 Potholing (10)			4	4		8	\$ 1,556		\$ 11,600	\$ 1,650	\$ 928		\$ 15,734
5.2 Utility Locating Services			4	4		8	\$ 1,556		\$ 5,625		\$ 394		\$ 7,575
5.3 Valve and Actuator Procurement Package		4	4	8		16	\$ 3,432				\$ -		\$ 3,432
TOTAL BASE + OPTIONAL													\$ 162,282

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: TREATMENT AND DISTRIBUTION PERFORMANCE UPDATE

RECOMMENDATION

No action required. This memorandum is submitted for information only.

BACKGROUND

During summer 2026, periods of increased wastewater strength has challenged treatment performance at the San Elijo Water Campus. At the same time, SEJPA experienced high recycled water demand, placing additional strain on the treatment and distribution systems. Operations staff managed these conditions; however, intermittent coliform detections and northern system pressure concerns highlighted limitations in the existing facilities.

Recent operating experience is helping SEJPA better define the capacity and limitations of the wastewater and recycled water systems. Staff is using this information to implement near-term operational improvements and strategically prioritize longer-term capital investments through the Facility Plan.

DISCUSSION

Treatment Performance and Water Quality

As reported in the July 2026 Recycled Water Report, total coliform results caused the seven-day median to exceed the permit limit on July 25th and 26th. Staff increased monitoring and adjusted treatment operations, and subsequent samples returned to compliant levels. However, another coliform permit exceedance will be reported in the September recycled water report.

Staff is coordinating with contributing agencies to investigate sources of documented high total dissolved solids (TDS) wastewater entering the collection system. Staff is also evaluating internal return-stream loading associated with the recently constructed centrifuges and other operating conditions that may influence the disinfection system ability to eliminate coliform. No single cause has been identified; with multiple contributing factors being considered.

Demand and Distribution Reliability

Although the near record level of demand this year reflects increasing beneficial reuse and program success, concentrated nighttime irrigation stressed production capacity, storage, pumping, and distribution. Consequently, some customers in the northern service area experienced periods of inadequate pressure.

The recycled water system was originally designed to use potable water supplementation when recycled water production or storage was insufficient to meet peak demands. Consistent with that design, staff adjusted system operations and supplemented reservoirs with potable water during peak-

demand periods. Wanket Reservoir is expected to be placed into service this winter, adding storage to the northern system, reducing peak-demand stress, and improving operating flexibility.

Current Actions and Facility Planning

SEJPA is actively implementing the following operational and planning measures:

- Conducting a feasibility study of pre-chlorination of sand filters for improved disinfection
- Engaging Trussell Technologies with treatment performance
- Coordinating with recycled water customers to address pressure and water quality concerns.
- Investigating sources of TDS within collection system

Operational improvements remain important, but sustained gains in treatment capacity, recycled water quality, and peak-demand reliability will likely require phased capital investment. Potential longer-term concepts include biological nutrient removal, centrate management, expanded microfiltration and reverse osmosis capacity, chlorine contact facility modifications, and hydraulic improvements. The Facility Plan will evaluate their scope, priority, sequencing, and cost.

FISCAL IMPACT

Monitoring, investigation, customer coordination, and operational response are being performed within current budgets. No new capital authorization is requested with this item. Facility Plan recommendations and associated costs will be presented separately for Board consideration.

RECOMMENDATION

No action required. This memorandum is submitted for information only.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Deputy General Manager

SUBJECT: CAPITAL PROGRAM UPDATE

RECOMMENDATION

No action required. This memorandum is submitted for information only.

BACKGROUND

SEJPA's Capital Program supports the agency's mission to protect public health and the environment through strategic investment in reliable and sustainable infrastructure. Capital planning is increasingly focused on resilient, efficient, and high-performing facilities, by using asset condition, operational risk, system performance, and lifecycle considerations to prioritize investments and maximize the value of existing infrastructure.

SEJPA is currently advancing a series of near-term capital projects focused on rehabilitation and replacement of aging infrastructure, electrical and control system modernization, recycled water reliability, and other priority asset needs. Several of these projects are progressing through engineering and procurement, with construction phases starting later this year.

Concurrently, SEJPA is updating its foundational facility planning documents to establish a framework for performance-based asset management and capital prioritization over the next decade. The planning effort integrates asset condition, operational needs, and project benefits to prioritize investments that improve system resiliency, efficiency, and performance.

DISCUSSION

Staff is actively advancing the FYE 2026–2028 Capital Improvement Program, with priority investments in facility rehabilitation, equipment replacement, recycled water infrastructure, and electrical and control system modernization. Staff is advancing priority projects through consultant selection, engineering and design, equipment procurement, and preparation of construction bid documents. Three engineering services agreements are presented for Board consideration on this agenda, reflecting continued progress toward implementation. Smaller asset renewal projects and equipment rebuilds are also progressing through direct procurement, in-house project management, and specialty contractor support.

Engineering, procurement, and project delivery activities are being coordinated across the portfolio to maintain schedule and efficiently advance projects toward construction. Specialized consultant support is being incorporated where appropriate based on project needs and technical requirements. **Table 1** summarizes the scope and current status of the near-term projects, and **Figure 1** presents the anticipated delivery schedule.

Staff and consultant(s) are nearing completion of SEJPA's updated facility planning effort, titled the Plant Resiliency, Efficiency, and Performance (PREP) Plan. Recent work has focused on finalizing technical assessments, resolving facility condition assessment findings, and developing a comprehensive capital project list with planning-level cost estimates and project benefit scoring. Staff has reviewed and provided comments on the draft report, with final revisions underway.

Table 1 – FYE 2026 – 2028 Capital Project Scope and Status as of September 2026

Project (Program¹)	Scope and Status
Wanket Reservoir (RW)	Rehab of existing 3 MG tank and conversion to recycled water; Contractor repairing localized tank liner defects.
Pre-Filter Chlorination Study (RW)	Staff and Consultant(s) evaluating pre-filter chlorination alternatives for improving disinfection effectiveness to reduce coliform occurrences.
Recycled Water Distribution Valve Replacements (RW)	Design and permitting in progress for priority locations as part of a multi-year, phased program to replace critical distribution system valves.
SEJPA-Managed Asset Renewals (WW/RW/PS)	Continue in-house asset renewal projects, including the rebuild or replacement of twelve large pumps and chemical tanks that have reached the end of their service lives. • Lomas Santa Fe BPS – P4 rebuild and new motor <u>complete</u> • Area 5 Bleach Tank – replacement <u>complete</u> • RAS Pumps – P3 and P4 rebuilds <u>complete</u> • DAFT 1 Recirc Pump – rebuild <u>complete</u> • Eden Gardens Pump (spare) – rebuild <u>complete</u> • Effluent Pumps – P2 <u>complete</u>, P1 <u>in-progress</u>, P4 <u>pending</u> • MF Feed Pumps – P1, P2 <u>complete</u>; P3 <u>in progress</u>, P4 <u>pending</u> • Del Mar 21st PS – P2 rebuild <u>in progress</u> • Microfiltration T-1 Tank – process tank replacement <u>in progress</u>
SCADA Server Redundancy (WW/RW/OO)	Design for redundant server in the Admin/Ops Building and extension of networking to improve system reliability and mitigate physical and cybersecurity vulnerabilities.
2026 Plant Rehabilitation Project (WW)	Advertised construction bid package for new mixing in aeration basins. Preparing construction bid package for replacement of secondary clarifier launders, replacement of a DAFT recirculation pump, and miscellaneous plant piping replacements.
Electrical and Control System Upgrades (WW/RW)	Per September 15, 2026 Staff Report 7I, proceeding with electrical/control panel replacement at Lomas Santa Fe Pump Station. Scoping for replacement of aging control panels at the Effluent Pump Station and Recycled Water Treatment System.
Recycled Water Piping Improvements (RW)	Per September 15, 2026 Staff Report 9B, proceeding with design to replace approximately 1,100 feet of failing 12-inch ductile iron recycled water pipeline along the south end of the San Elijo Water Campus and replacement of a critical process control valve at the chlorine contact basin.

Project (Program¹)	Scope and Status
Primary Area and DAFT Rehabilitation (WW)	Preparing RFP for engineering/design for rehab/replacement of Dissolved Air Floatation Thickeners mechanical equipment and rehabilitation of Primary Sedimentation Basins.
Olivenhain PS Electrical Upgrades (PS)	Per September 15, 2026 Staff Report 7G, proceeding with preliminary design to replace standby emergency generator and electrical switchboard.
SCADA System Upgrades (WW/RW/OO)	Replace aging SCADA hardware, complete software updates, and buildout a secure, controlled server room. Pre-project planning for scope and implementation prior to retaining consultants.
Mechanics Shop and Laboratory Remodel (WW/RW/OO)	Construct mechanics shop, warehouse and offices to improve efficiency of maintenance and in-house project execution and to better manage spare parts and equipment to meet expectations for system uptime. Pre-project planning for scope, permitting, and implementation prior to retaining consultants.
Digester Area Rehabilitation (WW)	Area rehabilitation program to restore system reliability and extend service life of major equipment and process tanks. Pre-project planning for scope and implementation prior to retaining consultants.
Coastal Bluff and Open Space Management (WW/RW/OO)	Conducted studies for scoping and permitting for fire hazard abatement and slope erosion mitigation on coastal bluff and protected open space along west side of property. Received conditional authorization for fire risk reduction clearing from CalEPA and California Natural Resources Agency.
Notes: 1. SEJPA Program designations and funding source: WW = Wastewater; RW = Recycled Water; OO = Ocean Outfall; PS = Pump Station	

Figure 1 – FYE 2026-28 Capital Project Delivery Schedule

Project Name Capital Cost	...2025	2026				2027				2028				2029	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Phase 4 Capital Projects															
Wanket Reservoir Refurbishment															
Wanket Recycled Water Pipeline															
Stormwater Capture & Reuse															
Moonlight Beach Pump Station Modifications															
2026-28 Capital Projects															
Pre-Filter Chlorination Study															
Recycled Water Distribution Valve Replacements - Priority 1															
SEJPA-Managed Asset Renewals															
SCADA Upgrades - Server Redundancy															
2026 Plant Rehabilitation Project															
Electrical and Control System Upgrades															
Recycled Water Piping Replacements															
Primary Area and DAFT Rehabilitation															
Olivenhain PS Electrical Upgrades															
SCADA Upgrades - Hardware and Building Upgrades															
Mechanics Shop and Laboratory Remodel															
Digester Area Rehabilitation															

Legend: Planning Design Bid/Construction

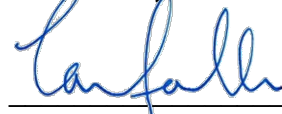
FINANCIAL IMPACT

FYE 2026–2028 Capital Plan expenditures are budgeted at \$8.25 million for wastewater and \$4 million for recycled water, consistent with Board-approved capital appropriations. Under SEJPA’s “Pay-Go” funding strategy, projects will advance based on priority and available funding, with implementation contracts brought to the Board for authorization in accordance with SEJPA’s Purchasing Policies and Procedures.

RECOMMENDATION

No action required. This memorandum is submitted for information only.

Respectfully submitted,



Thomas (Tom) C. Falk, P.E., PMP
Deputy General Manager

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

September 15, 2026

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Counsel

SUBJECT: GENERAL MANAGER EMPLOYMENT AGREEMENT BY AND BETWEEN SAN
ELIJO JOINT POWERS AUTHORITY AND THOMAS FALK

RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve the General Manager Employment Agreement by and between San Elijo Joint Powers Authority and Thomas Falk, with an effective date of November 3, 2026; and
2. Discuss and take action as appropriate.

BACKGROUND

Earlier this year, following notice from San Elijo Joint Powers Authority's (SEJPA) long-time General Manager, Michael T. Thornton, of his intent to retire effective November 3, 2026, the Board of Directors initiated succession planning measures that included promoting Thomas Falk, formerly Director of Infrastructure and Sustainability, to Deputy General Manager.

Since January 2026, Mr. Falk has assumed broader agency responsibilities and participated in structured mentoring and knowledge transfer with the General Manager. During this transition, he has demonstrated leadership through annual budget development, labor negotiations, and other agency-wide initiatives.

Mr. Falk is a registered Professional Civil Engineer with more than 25 years of experience in the water industry. Prior to joining SEJPA in 2022, he worked for engineering consulting firms in Encinitas and Carlsbad, where he supervised staff, led regional business initiatives, and managed multidisciplinary teams delivering projects for public agencies throughout Southern California.

DISCUSSION

Following negotiations between the Board of Directors and Mr. Falk in May and July 2026, the Board directed General Counsel to prepare a General Manager Employment Agreement reflecting the negotiated terms. The proposed Agreement is included as Attachment 1 to this staff report.

The proposed General Manager Employment Agreement provides the following principal terms of compensation, performance review, and benefits:

- Annual base salary of \$290,000.00
- Annual performance review on or before June of each year and eligibility for discretionary performance-based bonus of up to \$5,000.
- Benefits as established, and as amended from time to time, that are provided to other SEJPA employees, to include:
 - Participation in Public Employees' Retirement System (PERS)
 - Participation in SEJPA's 457 deferred compensation plan and SEJPA-matching contribution to 401a; plus a fixed annual contribution of \$7,500 to Mr. Falk's 401a account
 - Medical, dental, vision, life and disability insurance plans, cafeteria plan, health care, dependent care reimbursement
 - Paid holidays (13 days per year) and Administrative Leave (45 hours per year)
 - Vacation accrual at 280 hours per year
 - Paid sick accrual at 8 hours per month in addition to 48 hour annual block grant
 - Car allowance of \$600 per month and cell phone allowance of \$100 per month
 - Incentive program(s) and tuition and wellness reimbursements.

Approval of the Agreement would appoint Mr. Falk as General Manager effective November 3, 2026 and through June 30, 2029 providing for an orderly transition upon Mr. Thornton's retirement and continuity in SEJPA's executive leadership.

FINANCIAL IMPACT

The General Manager's compensation and benefits are funded through SEJPA's annual operating budget. Approval of the proposed Employment Agreement does not require a separate budget appropriation.

RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve the General Manager Employment Agreement by and between San Elijo Joint Powers Authority and Thomas Falk, with an effective date of November 3, 2026; and
2. Discuss and take action as appropriate.

Respectfully submitted,



Adriana Ochoa
General Counsel

Attachment 1: General Manager Employment Agreement

GENERAL MANAGER EMPLOYMENT AGREEMENT

THIS GENERAL MANAGER EMPLOYMENT AGREEMENT ("Agreement") is made and entered into effective as of November 3, 2026 (the "Effective Date"), by and between SAN ELIJO JOINT POWERS AUTHORITY, a public entity, ("SEJPA") and THOMAS C. FALK, JR. ("Employee" or "General Manager"). Employee and SEJPA shall be referred to collectively as the "Parties" and individually as "Party."

RECITALS

WHEREAS, SEJPA's mission is to provide high quality, cost-effective programs of wastewater treatment, ocean outfall management, and recycled water production and distribution; and

WHEREAS, Employee has over 25 years' engineering and management experience in the southern California wastewater industry, joined SEJPA's executive team in November 2022, as the Director of Infrastructure and Sustainability, and has since been promoted to SEJPA's Deputy General Manager; and

WHEREAS, SEJPA agrees to offer continued employment to Employee in the position of General Manager, and Employee desires to accept SEJPA's offer; and

WHEREAS, SEJPA and Employee desire to enter into this Agreement in order to fully set forth the terms and conditions of Employee's continued employment with SEJPA as General Manager.

NOW, THEREFORE, in consideration of the foregoing recitals and the mutual covenants and agreements herein contained, is the Parties hereby agree as follows:

1. Duties.

a. Position. Employee shall serve as General Manager of SEJPA on a full-time basis during the Term of this Agreement, as that position is defined in the joint powers agreement establishing SEJPA, and as further described in Exhibit A, hereto, as amended by the SEJPA Board of Directors (the "Board") from time to time. In addition, Employee shall perform those duties which are customarily performed by General Managers of like organizations, and such other duties as the Board may, from time to time, assign.

b. Incompatible Activities. Employee may engage in work outside his regular work schedule at SEJPA, provided that said outside work is not prohibited by Government Code section 1126. Specifically, Employee shall not engage in any employment, activity, or enterprise for compensation which is inconsistent, incompatible, in conflict with, or inimical to his duties as a local agency officer or employee or with the duties, functions, or responsibilities of his appointing power or SEJPA. Further, the Employee shall not perform any work, service, or counsel for compensation outside of his local agency employment where any part of his efforts will be subject to approval by any other officer, employee, board or commission of SEJPA. Prior to undertaking or committing to undertake any outside work,

Employee must inform the Board in writing of the nature of the outside work and obtain Board consent, which shall not be unreasonably withheld.

2. Term, Termination and At-Will Employment. This Agreement shall commence on the Effective Date and continue until June 30, 2029 (the “Term”), unless terminated earlier in accordance with this Section 2. Employee’s employment with SEJPA shall be on an “at-will” basis, and may be terminated by either SEJPA or Employee at any time, with or without cause or advance notice. The at-will nature of the employment relationship between SEJPA and Employee shall not be changed or modified except through a writing signed by the Chairperson of the Board and by Employee.

a. Termination Without Cause. Should SEJPA terminate Employee without cause, SEJPA shall, subject to Employee’s signing, returning and not revoking a full release in a form satisfactory to SEJPA, together with any SEJPA property in Employee’s possession, custody, and control, pay the following as severance: a lump sum payment to Employee in an amount equal to one-half of Employee’s then annual base salary within ten (10) working days of the date such release becomes irrevocable by Employee, *provided however* that the maximum cash settlement that Employee may receive shall be an amount equal to Employee’s monthly base salary multiplied by the number of months left on the unexpired Term of the Agreement; and, SEJPA shall pay for the full cost of COBRA premiums for coverage for Employee and, if applicable, his spouse (so long as she remains married to Employee) and dependent children who were covered under the SEJPA group health plan on the date of Employee’s termination, for a period of up to six months after the date of termination, *provided however* that SEJPA will only be obligated to pay such COBRA premiums if Employee properly elects and obtains COBRA coverage and only up to and until Employee secures other employment and becomes eligible for health coverage, even if he remains eligible for COBRA coverage. Any such severance payment will be paid within the ‘short term deferral window’ as that term is defined by Internal Revenue Code Section 409A, and in no event will any such payment be paid any later than the last day of the second taxable year following termination. For the purposes of this paragraph, base salary means the base salary in effect at the time of Employee’s termination from employment and does not include any incentive, vacation, sick leave, pension contributions, health benefits or any other employee benefit.

b. Termination With Cause. Should SEJPA terminate Employee with “cause,” meaning due to fraud, misappropriation, embezzlement, or any other egregious and intentional misconduct, SEJPA will pay only amounts legally required up to the effective date of termination. No severance will be paid.

c. Termination Upon Death or Permanent Disability. This Agreement shall automatically terminate upon Employee’s death or permanent disability, at which time SEJPA will pay only amounts legally required up to the effective date of termination. No severance will be paid.

d. Termination by Employee. Should Employee terminate his employment at any time, SEJPA will pay only amounts legally required up to the effective date of termination. No severance will be paid.

3. Compensation.

a. Base Salary and Bonus. Employee will receive a base annual salary of \$290,000, commencing as of the Effective Date through June 30, 2027, which base salary will be increased by 4% annually as of July 1 throughout the Term. Employee's annual salary shall be prorated to any partial work period.

The General Manager is eligible for an annual discretionary performance-based bonus of up to \$5,000, subject to the approval of the Board on or before June 30 of each fiscal year throughout the Term and payable in June. Employee shall be first eligible for a bonus for the period beginning on the Effective Date through June 2027, and for each consecutive 12-month period thereafter ending in June.

Prior to June 30 of each fiscal year of this Agreement, the Board will review Employee's performance, based upon goals and objectives agreed upon between Employee and the Board, and give Employee an evaluation of his overall achievement of those goals and objectives and management of SEJPA. The Board will consider Employee's performance when determining whether Employee shall be granted any increases in his base compensation, or any other compensation.

b. Benefits. Employee shall be entitled to participate in medical, dental, life and disability insurance plans, cafeteria plan, health care, dependent care reimbursement and deferred compensation plan on the same basis as other employees. A listing of Employee's benefit and compensation package, including the generally available SEJPA employee benefit plans for which Employee is eligible, during the Term of this Agreement, is attached hereto as Exhibit B. This Exhibit B may be updated periodically to reflect changes in Employee's compensation and benefits package from year to year.

c. Sick and Vacation Leave. Employee shall accrue eight (8) hours of paid sick leave per month, in addition to any annual "block grant" of paid sick leave. Employee shall accrue 280 hours of vacation leave annually, up to a 420 hour maximum accumulation. Subject to applicable law, Employee's use and cashout of vacation and sick leave is subject to the following conditions: (i) Employee may not take vacation leave in increments of less than one half day; (ii) Employee may not take sick leave in increments of less than two (2) hours; and (iii) the calculation of conversion of sick and vacation leave to cash, if any, shall be based upon the Base Salary set forth above, and assume that Employee works a 2080 hour annual schedule. For purposes of this section a full day shall be considered to be eight (8) hours.

d. CalPERS Retirement Plan. Employee shall be entitled to participate in the California Public Employees Retirement System program based on the 2% at 62 Full Formula, as provided in applicable SEJPA resolution, as amended from time to time.

e. Reimbursement of Expenses. Employee shall be reimbursed for all reasonably necessary expenses incurred in the performance of his duties, in accordance with the adopted policies of SEJPA. Employee shall be entitled to a monthly car allowance of \$600, to compensate and reimburse Employee for all costs of leasing, owning, operating, repairing and

maintaining a vehicle available to the Employee for the conduct of his duties. Employee shall be entitled to a monthly cell phone allowance of \$100, to compensate and reimburse Employee for all costs of leasing, owning, operating, repairing and maintaining a cell phone for the conduct of his duties. Employee shall not be entitled to any additional reimbursement for the work-related use of a personal vehicle or cell phone.

f. 401(a) Plan Contribution. SEJPA shall contribute to Employee's SEJPA-sponsored 401(a) Plan an amount of \$7,500 annually, commencing on the Effective Date and on July 1 thereafter throughout the Term, which amount may be increased annually as part of Employee's performance review. This contribution does not preclude, and is in addition to, Employee's participation in matching contribution to Employee's SEJPA-sponsored deferred compensation plan offered under Resolution 2026-03, as it may be amended from time to time.

4. Confidentiality. Employee agrees that, during the Term of this Agreement and thereafter, Employee will keep confidential any non-public information which he obtains from SEJPA or any subsidiaries, members of the Board or affiliated entities, now or hereafter existing or created, concerning their properties, assets, proprietary assets, copyrights, business methods and trade secrets. Notwithstanding the foregoing limitations, Employee shall not be required to keep confidential any information that (a) is known or available through other lawful sources not known by the Employee to be bound by a confidentiality agreement with SEJPA, (b) is or becomes publicly known or generally known in the industry through no fault of the Employee, (c) is requested or required to be disclosed pursuant to any governmental authority, law or regulation, or (d) is reasonably related to the Employee's performance of his duties as an employee of (or as otherwise assigned to the Employee by) SEJPA.

5. Withholding of Taxes. Employee shall be responsible for the payment of any taxes and/or assessments imposed on account of payment of any amounts hereunder to Employee pursuant to this Agreement, including, without limitation, federal and state income taxes, state unemployment insurance taxes, federal social security (FICA) payments, state disability insurance taxes, and other taxes. SEJPA shall withhold from any and all amounts payable to Employee pursuant to this Agreement all federal, state, and local taxes which SEJPA determines are required to be withheld in accordance with applicable statutes and/or regulations from time to time in effect. All such deductions and withholdings shall be deemed to have been paid to and received by Employee.

6. Waiver of Breach. The waiver by either Party, or the failure of either Party to claim a breach of any provision of this Agreement, shall not operate or be construed as a waiver of any subsequent breach.

7. Assignment. This Agreement shall not be assignable by either Party without prior written consent of the other Party.

8. Entire Agreement. This Agreement, together with the recitals and exhibits which are incorporated by reference herein, is the complete agreement of the Parties and supersedes any and all other agreements, either oral or in writing, between the Parties hereto with respect to the subject matter hereof and contains all of the covenants and agreements between the parties

with respect to said subject matter in any manner whatsoever. Any modification of this Agreement will be effective only if it is in writing and signed by both Employee and the Chairperson of the Board.

9. Governing Law. This Agreement shall be governed by, construed and enforced in accordance with the laws of the State of California.

10. Partial Invalidity. If any provision of the Agreement is held to be invalid or unenforceable by any court or tribunal of competent jurisdiction, the remainder of this Agreement shall not be affected by such judgment, and such provision shall be carried out as nearly as possible according to its original terms and intent to eliminate such invalidity or unenforceability unless such partial invalidity or unenforceability would defeat an essential business purpose of the Agreement.

11. Legal Representation; Independent Counsel. Employee is aware of his right to obtain separate legal counsel with respect to the negotiation and execution of this Agreement and acknowledges that SEJPA has recommended that Employee retain his own counsel for such purpose. Employee further acknowledges that he: (a) has read this Agreement and its exhibits and attachments; (b) has had the opportunity to retain separate counsel in connection with the negotiation and execution of this Agreement; and (c) has relied on the advice of separate counsel with respect to this Agreement or made the conscious decision not to retain counsel in connection with the negotiation and execution of this Agreement.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be duly executed and delivered as of the date(s) indicated below.

SAN ELIJO JOINT POWERS AUTHORITY

By: _____
Luke Shaffer, CHAIRPERSON

Date: _____

EMPLOYEE

By: _____
Thomas C. Falk, Jr. GENERAL MANAGER

Date: _____

EXHIBIT A

GENERAL MANAGER POSITION DESCRIPTION

Position Summary

The General Manager serves as Chief Executive Officer of the San Elijo Joint Powers Authority (“SEJPA”) and as Secretary to the SEJPA Board of Directors (“Board”). The General Manager is responsible for the administrative operations of SEJPA and the effective functioning of the physical facilities SEJPA owns and operates, all under the direction and control of the Board. The General Manager holds primary executive responsibility for fulfilling SEJPA's mission to establish, manage, operate and maintain the San Elijo Water Campus for the treatment, disposal, and recycling of wastewater, stormwater, and groundwater for beneficial reuse, reducing the region's dependency on imported water.

Key Responsibilities and Authorizations

The duties listed here are typical examples of the work performed. All duties must be exercised consistent with District policies, procedures and applicable law.

- Oversee the day-to-day operations of the organization and ensure its overall successful long-term operations.
- Participate in the design of, and supervise construction on, improvements or expansions to SEJPA facilities authorized by the Board.
- Negotiate contracts for capital costs, special services, equipment, materials, supplies, maintenance, or repair, and consultant contracts consistent with SEJPA’s adopted budget, and execute such contracts involving an expenditure by SEJPA of \$50,000 or less (other than with consultants to perform the duties of the auditor or treasurer), unless a different threshold is otherwise established by the Board.
- Retain and supervise personnel and approve payroll for all staff required to administer, maintain, and operate the facilities and achieve SEJPA’s mission, consistent with SEJPA's adopted budget, policies and Board authorization. Responsibilities include interviewing, hiring, firing or otherwise terminating, and training employees; planning, assigning, and directing work; appraising performance; rewarding and disciplining employees; addressing complaints and resolving problems in a timely manner.
- Expend funds and enter into contracts on SEJPA's behalf for urgent maintenance, repair, or emergency work necessary to keep facilities operating or to restore them to operating condition, followed by required reporting to the Board.
- Approve payment demands of \$50,000 or less made pursuant to valid contracts or the adopted budget, unless a different threshold is otherwise established by the Board.

- Prepare and submit the biennial budget to the Board in time for its review and adoption prior to June 30.
- Apply for permits, licenses, and approvals, and file reports required by governmental agencies with jurisdiction over SEJPA facilities.
- Generally supervise the acquisition, construction, management, maintenance, and operation of the facilities in furtherance of SEJPA's mission.
- Process, investigate, respond to, and resolve claims against SEJPA, and settle claims up to \$50,000 or the statutory maximum, unless a different threshold is otherwise established by the Board or District policy. All settled claims, disputes, or litigation matters must be approved by the District's legal counsel and reported to the Board of Directors.
- Communicate with stakeholders, including city managers of the SEJPA Member Agencies, concerning SEJPA's operations and of decisions affecting them.
- Communicate effectively with the Board by providing members with all information necessary to continually function properly and make informed decisions in a timely and accurate manner.
- Manage, oversee and attend all Board meetings, and provide reports and updates on staff as well as all current work, project timelines, and project and organizational progress.
- Establish goals, objectives, and operational plans in collaboration with the Board of Directors, staff, and other leaders.
- Foster an environment of transparency, ethics and compliance with the Brown Act.
- Assure that the organization makes consistent and timely progress in achieving its mission and target programmatic impact.
- Provide leadership in developing program, organizational, and financial plans and execute on the policies authorized by the Board.
- Perform other duties as assigned by the Board.

Qualifications

The General Manager will be a qualified, registered Professional Engineer (PE), or a qualified, registered designee of an engineering firm, with experience in managing wastewater treatment and water reclamation facilities. The General Manager will maintain in good standing all qualifications for the position.

Reporting Relationship

The General Manager is appointed by, and reports directly to, the SEJPA Board, performing all administrative operations under the Board's direction and control.

EXHIBIT B
GENERAL MANAGER’S COMPENSATION AND BENEFITS
November 3, 2026 to June 30, 2029

Base Salary:

\$290,000 from the Effective Date – June 30, 2027

\$301,600 from July 1, 2027 – June 30, 2028

\$313,664 from July 1, 2028 – June 30, 2029

Discretionary Bonus (non-base building): up to \$5,000 annually payable in June of each year of this Agreement

Car Allowance: \$600/month

Cell Phone Allowance: \$100/month

Sick Leave: 8 hours/month accrual (in addition to annual “block grant” per SEJPA Resolution, below)

Vacation: 280 hours/annually (420 hour maximum accumulation)

401(a) Plan Contribution: \$7,500 annual contribution to Employee’s SEJPA-sponsored 401(a) account, which amount may be increased annually as of July 1 (in addition to deferred compensation plan matching contribution per SEJPA Resolution, below)

Benefits that are currently provided to employees of SEJPA generally, currently set forth in Section II of Resolution No. 2026-03, as it may be amended or superseded by the Board from time to time (which benefits are not cumulative or stacking with benefits provided under this Agreement):

Vacation* and option to convert vacation to cash.

Paid holidays (13 per year, 11 as set by SEJPA and 2 floating).

Paid sick leave 48 hour annual “block grant,” monthly accrual* and option to convert paid sick leave to cash.

Bereavement leave.

Administrative leave.

Health, dental and vision care benefits.

Health and dependent care reimbursements.

Life and disability insurance benefits.

CalPERS retirement benefits.

Deferred compensation plan: SEJPA 457(b) and 401(a)* plans and SEJPA matching contribution of up to 6% of annual base salary depending on years of service.

Tuition and wellness reimbursements.

Incentive Program(s): Professional and Technical Achievements and Organizational Performance Achievements.

** Indicates modified accrual/contribution as set forth herein*

This **Exhibit B** listing General Manager's Compensation and Benefits (November 3, 2026 – June 30, 2029) was approved on _____, at a regular meeting of the San Elijo Joint Powers Authority Board of Directors, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

This document has not been amended, modified, or rescinded since the date of its adoption.

Attest:

By: _____
Board Secretary