

**AGENDA**  
**REGULAR BOARD MEETING OF THE**  
**SAN ELIJO JOINT POWERS AUTHORITY**  
**OCTOBER 17, 2023 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. AWARDS AND RECOGNITION
6. \* **CONSENT CALENDAR**
7. \* [APPROVAL OF MINUTES FOR SEPTEMBER 19, 2023 MEETING](#)
8. \* [APPROVAL FOR PAYMENT OF WARRANTS AND MONTHLY INVESTMENT REPORTS - SEPTEMBER](#)
9. \* [WASTEWATER TREATMENT REPORT - AUGUST](#)
10. \* [RECYCLED WATER REPORT - AUGUST](#)
11. \* [REPORTABLE MEETINGS](#)
12. \* [WANKET TANK REFURBISHMENT, PIPELINE, AND RECYCLED WATER VALVE REPLACEMENT – REJECT BID AND REVISED STRATEGY FOR PROJECT DELIVERY](#)
13. \* **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.*

## **REGULAR AGENDA**

14. **[AIR AND WATER REGULATORY INFORMATION UPDATE](#)**

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

Staff Reference: General Manager

15. **GENERAL MANAGER'S REPORT**

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

16. **GENERAL COUNSEL'S REPORT**

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

17. **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.

18. **CLOSED SESSION**

None.

19. **ADJOURNMENT**

The next regularly scheduled San Elijo Joint Powers Authority Board Meeting will be Tuesday, November 14, 2023 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](http://www.sejpa.org). The SEJPA Board meetings are generally held on the third Tuesday of each month, with no scheduled meetings in July.

## 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](http://www.sejpa.org), and in the following locations:

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

The notice was posted at least 72 hours prior to the meeting, in accordance with Government Code Section 54954.2(a).

Date: October 12, 2023



---

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

SAN ELIJO JOINT POWERS AUTHORITY  
MINUTES OF THE BOARD MEETING  
HELD ON SEPTEMBER 19, 2023  
AT THE SAN ELIJO WATER CAMPUS

---

David Zito, Chair

Tony Kranz, Vice Chair

---

A meeting of the Board of Directors of San Elijo Joint Powers Authority (SEJPA) was held Tuesday, September 19, 2023, at 8:30 a.m., at the San Elijo Water Campus.

1. CALL TO ORDER

Chair Zito called the meeting to order at 8:30 a.m.

2. ROLL CALL

*Directors Present:*

David Zito  
Tony Kranz  
Kristi Becker  
Kellie Hinze

*Others Present:*

General Manager	Michael Thornton
Director of Operations	Chris Trees
Director of Infrastructure and Sustainability	Tom Falk
Director of Finance and Administration	Amy Chang
Management Analyst I	Abby Schlenk

*SEJPA Counsel:*

Procopio	Adriana Ochoa
----------	---------------

*City of Solana Beach:*

Director of Engineering/Public Works	Mohammad "Mo" Sammak
City Manager	Greg Wade

*San Dieguito Water District:*

Principal Engineer	Habib Hariri
--------------------	--------------

3. PLEDGE OF ALLEGIANCE

Board Chair, David Zito, led the Pledge of Allegiance.

4. ORAL COMMUNICATION/PUBLIC COMMENT PERIOD

None.

5. AWARDS AND RECOGNITION

None.

6. CONSENT CALENDAR

Moved by Board Member Becker and seconded by Vice Chair Kranz to approve the Consent Calendar.

- |                    |   |
|--------------------|---|
| Agenda Item No. 7  | Approval of Minutes for the August 15, 2023 Board Meeting               |
| Agenda Item No. 8  | Approval for Payment of Warrants and Monthly Investment Report - August |
| Agenda Item No. 9  | Wastewater Treatment Report   |
| Agenda Item No. 10 | Recycled Water Report   |
| Agenda Item No. 11 | Reportable Meetings   |
| Agenda Item No. 12 | FY 2022-23 Financial Audit Engagement Letter Acceptance                 |
| Agenda Item No. 13 | Employee Handbook Update  |
| Agenda Item No. 14 | Purchase of Control Valves for Recycled Water Pump Station              |

Motion carried with the following vote of approval:

AYES: Zito, Kranz, Becker, Hinze  
NOES: None  
ABSENT: None  
ABSTAIN: None

16. AWARD OF CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE WANKET TANK REFURBISHMENT AND CONVERSION, RECYCLED WATER PIPELINE, RECYCLED WATER VALVE REPLACEMENT, AND MOONLIGHT BEACH PUMP STATION MODIFICATION PROJECT

Director of Infrastructure & Sustainability, Tom Falk, presented staff's strategy for bundling construction management and inspection services for the Wanket Tank Refurbishment and Conversion, Recycled Water Pipeline, Recycled Water Valve Replacement, and Moonlight Beach Pump Station Modification projects. The intent is to increase efficiency and streamline administration by retaining one engineering firm to perform construction management and inspection (CM&I) for these projects.

Moved by Vice Chair Kranz and seconded by Board Member Hinze to:

1. Authorize the General Manager to execute Professional Services Agreement with CDM Smith, Inc. in an amount no-to-exceed \$571,480 for construction management and inspection of the Wanket Tank Refurbishment and Conversion, Recycled Water Valve Pipeline, Recycled Water Valve Replacement, and Moonlight Beach Pump Station Modification Projects with cost shared between the Recycled Water Program and Encinitas Sanitary Division.

Motion carried with the following vote of approval:

AYES: Zito, Kranz, Becker, Hinze  
NOES None  
ABSENT: None  
ABSTAIN: None

17. CAPITAL PROGRAM UPDATE

Director of Infrastructure and Sustainability, Tom Falk, reviewed SEJPA's 3-year capital plan delivery schedule and cost summary. He also reviewed the status of ongoing projects, provided a 3-month lookahead for the upcoming quarter, and explained how staff are working to monitor and mitigate capital program risks.

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

18. GENERAL MANAGER'S REPORT

General Manager, Michael Thornton, provided an update that there were no spills, injuries, outfall issues, or property damage to agency facilities caused by Hurricane Hillary.

General Manager Thornton also stated that he will be leading a facility tour and presentation with U.S. Bureau of Reclamation staff as part of the North San Diego Water Reuse Coalition to provide status updates on projects utilizing grant funding from the U.S. Bureau of Reclamation.

General Manager Thornton provided the Board with an update on SEJPA's technical service support to Leucadia Wastewater District. The two agencies are in discussions to extend the agreement for a second year of technical support. This agreement allows for operational cross-training, staff development, and regional collaboration.

Lastly, General Manager Thornton introduced SEJPA's new social media accounts to the Board, including Facebook, Instagram, and LinkedIn.

19. GENERAL COUNSEL'S REPORT

Legal Counsel, Adriana Ochoa, announced that Procopio, Cory, Hargreaves & Savitch LLP is hosting a complimentary Brown Act training on October 10<sup>th</sup>. Board Member and staff are all welcome to attend.

20. BOARD MEMBER COMMENTS

None.

21. CLOSED SESSION

None.

22. ADJOURNMENT

The meeting adjourned at 9:08 a.m. The next Board of Directors meeting is scheduled to be held on Tuesday, October 17, 2023 at 8:30 a.m.

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

**SAN ELIJO JOINT POWERS AUTHORITY  
PAYMENT OF WARRANTS  
For the Month of September 2023**

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
42722	Allied Storage Containers	Equipment Rental/Lease	20' and 40' storage containers	\$ 359.89
42723	Amy Chang	Training	Team meeting lunch supplies	21.49
42724	Ardurra Group, Inc	Services - Engineering	Wanket tank refurbish support	2,278.09
42725	James Barnett	Other Personnel Cost	Employee reimbursement - health and wellness	118.47
42726	bkm OfficeWorks, LLC	Supplies - Office	Office furniture for T. Falk	1,949.80
42727	Brenntag Pacific, Inc	Supplies - Chem - Odor	Sodium hydroxide	1,825.25
42728	Del Mar Blue Print	Printing	Photo art for administration building	337.13
42729	Enthalpy Analytical, LLC	Services - Laboratory	Laboratory toxicity service for Jun 2023	1,050.00
42730	Environmental Express, Inc.	Supplies - Lab	BOD bottles	762.17
42731	ERA	Supplies - Lab	Solids concentrate	234.01
42732	Eurofins Calscience, LLC	Services - Laboratory	Testing water samples	1,027.50
42733	Fisher Scientific	Supplies - Lab	Gas detention tube	584.20
42734	FRS Environmental	Services - Maintenance	Parts washer service	291.00
42735	Golden Bell Products	Supplies - Chemicals	HTH chlorine for DM fairgrounds	366.35
42736	Grainger, Inc.	Shop Tools and Equip.	Various shop tools	1,627.58
42737	The Hardwood & Hardware Co.	Supplies - Office	Supplies for Amy's office cabinets	1,021.03
42738	Hardy Diagnostics	Supplies - Lab	Various lab supplies	1,563.73
42739	Idexx Distribution, Inc.	Supplies - Lab	Various lab supplies	2,246.00
42740	Kennedy/Jenks Consultants	Services - Engineering	As needed capital program services	13,522.50
42741	Liquid Environmental Solution	Grease & Scum, Grit & Screenings	Pumping service, roll off box	8,006.70
42742	Marine Taxonomic Services, LTD	Services - Contractors	Intensive WQ monitoring - Plume tracking	2,390.00
42743	McMaster-Carr Supply Co.	Supplies - Shop & Field	Various supplies	2,448.97
42744	Void			-
42745	Cosby Oil Company, Inc	Fuel	Fuel - Aug	1,070.88
42746	Pacific Safety Center	Training - Safety	Annual membership renewal	145.00
42747	Procopio Cory Hargreaves	Services - Legal	General, Labor and employment	9,243.00
42748	Radwell International, Inc.	Repair Parts Expense	Marsh bellofram for belt press 1	357.66
42749	Rincon Consultants Inc	Services - Professional	Grant support & environmental services	1,677.50
42750	Rising Tide Partners, LLC	Services - Professional	Communications services	1,165.00
42751	Robert Half International, Inc	Services - Temp	Temp service	1,386.00
42752	Rockwell Solutions	Repair Parts Expense	Parts for digester pump	4,091.15
42753	San Diego County Water Authori	Services - Professional	2015 IRWM Prop 84 Rd 4	6,722.78
42754	San Dieguito Water District	Utilities - Water (Suppl.)	1190 Oakcrest Park Dr #080338	2,706.32
42755	Siemens Industry, Inc.	Repair Parts Expense	Radar level sensor	2,029.68
42756	Sloan Electric Company	Repair Parts Expense	Replacement motor	548.90
42757	Southwest Valve & Equip.	Repair Parts Expense	Digester area replacement valves	2,988.69
42758	Michael Thornton	Subsistence - Meals	Employee reimb - CASA conference and lunch meeting	838.88
42759	Christopher A. Trees	Subsistence - Meals	Employee reimb - SCADA planning lunch	59.55
42760	Unifirst Corporation	Services - Uniforms	Uniform service	641.70
42761	Underground Service Alert/SC	Services - Alarm	Dig alert, Safe excavation board	173.39
42762	USA Bluebook	Supplies - Lab	Culture tubes, BOD, HR COD reagent	742.93
42763	Daniel Verdon	Dues & Memberships	Employee reimbursement - CWEA membership	221.00
42764	Volt Management Corp	Services - Temp	Internship program and temp services	16,479.44
42765	Void			-
42766	VWR International, Inc.	Supplies - Lab	Various lab supplies	1,167.49
42767 - 42768	Void			-
42769	MetLife - Group Benefits	Dental/Vision	Dental - Sep	2,603.58
42770	Abila	Licenses	Accounting software subscription	341.24
42771	Adam Kaye	Services - Professional	Public communications	500.00
42772	Adobe Inc.	Licenses	Adobe license	211.93
42773	Aflac	EE Deduction Benefits	Aflac - Sep	571.70
42774	ASCE Membership	Dues & Memberships	Membership - M. Thornton	311.00
42775	AT&T	Utilities - Telephone	Phone service - 08/13/23 - 09/12/23	639.34
42776	AT & T	Utilities - Telephone	Alarm service - Aug	380.22
42777	Babcock Laboratories, Inc	Services - Laboratory	Test samples	530.86
42778	BAVCO	Repair Parts Expense	Watts rubber rebuild kits	678.12
42779	CA. Office Cleaning, Inc.	Services - Janitorial	Office and window cleaning	5,291.00
42780	California State Lands Commiss	Fees - Permits	Lagoon crossing lease permit	796.16
42781	CDM Smith	Services - Engineering	Services from 04/09/2023 - 08/05/2023	2,849.00
42782	Corodata	Rent	Record storage - August	118.85
42783	County of San Diego	Fees - Permits	Permits - APCD1989 - SITE - 07586	3,624.33
42784	D&H Water Systems	Repair Parts Expense	Recycled water annual wear parts	567.20
42785	Didra Felix	Dues & Memberships	Employee reimbursement - CWEA membership	166.00
42786	Dudek & Associates	Services - Engineering	Stormwater capture reuse & site water quality improve	58,470.70
42787	Westbound Solar 2, LLC	Utilities - Solar Power	Solar - Aug	13,694.05
42788	Environmental Express, Inc.	Supplies - Lab	BOD bottles	762.17
42789	ERA	Supplies - Lab	Test standard	287.35
42790	Excel Landscape, Inc.	Services - Landscape	Grounds maintenance service - Aug	4,382.00
42791	Firehawk Fire & Safety	Services - Maintenance	Annual fire sprinkler service and certification	1,022.90
42792	Grainger, Inc.	Shop Tools and Equip.	Various supplies	668.11
42793	Hardy Diagnostics	Supplies - Lab	Various lab supplies	2,768.06
42794	HASA Inc.	Supplies - Chem - Odor	Muriatic acid	1,568.76
42795	JP Business Advisors, Inc	Services - Accounting	Accounting consulting services	2,100.00
42796	Kooltronic Inc.	Repair Parts Expense	AWP north RO unit	1,742.17
42797	Lawson Products Inc.	Supplies - Shop & Field	Various hardware supplies	1,066.38
42798	McMaster-Carr Supply Co.	Repair Parts Expense	Various supplies	3,315.81



**SAN ELIJO JOINT POWERS AUTHORITY  
PAYMENT OF WARRANTS  
For the Month of September 2023**

<b>Warrant #</b>	<b>Vendor Name</b>	<b>G/L Account</b>	<b>Warrant Description</b>	<b>Amount</b>
42799	MetLife - Group Benefits	Dental/Vision	Dental - Oct	2,313.72
42800	Mission Square	Retirement Plan - PERS	ICMA - 401a	11,136.27
42801	Mission Square - 304175	EE Deduction Benefits	ICMA - 457	14,102.89
42802	Cosby Oil Company, Inc	Fuel	Fuel - Sep	1,124.10
42803	Olin Corp - Chlor Alkali	Supplies - Chem - Odor	Procurement of sodium hypochlorite	11,414.72
42804	Olivenhain Municipal Water Dis	Rent	Pipeline rental payment - Aug	11,970.00
42805	OneSource Distributors, Inc.	Repair Parts Expense	Connectors	2,201.96
42806	Otis Elevator Company	Services - Maintenance	Elevator maintenance from 09/01/23 - 09/30/23	190.00
42807	Pacific Pipeline Supply	Repair Parts Expense	Grit washer spools	762.28
42808	Precision Balance Specialist	Services - Maintenance	Calibration of lab balances	380.00
42809	ProBuild Company, LLC	Supplies - Office	Supplies for Amy's office cabinets	94.79
42810	Robert Half International, Inc	Services - Temp	Temp service	3,895.36
42811	RSF Security Systems	Services - Alarm	Security and Cellular fire system monitoring	1,825.00
42812	Rusty Wallis, Inc.	Services - Maintenance	Water softener, tank service and salt bags	392.87
42813	Safe Hearing America	Services - Medical	Hearing test	1,098.60
42814	Santa Fe Irrigation District	Utilities - Water	Water	516.11
42815	Santa Fe Irrigation District	SFID Distribution Pipeline	Pipeline purchase payment	2,744.83
42816	San Dieguito Water District	Utilities - Water	Water	3,167.48
42817	Southcoast Heating & A/C	Services - Maintenance	HVAC repairs	4,376.61
42818	Terminix Processing Center	Services - Maintenance	Pest control service	544.00
42819	Transcat, Inc	Supplies - Lab	Pipettes	129.79
42820	Christopher A. Trees	Seminars/Education	Employee reimb - WEFTEC conference fees	1,110.00
42821	Unifirst Corporation	Services - Uniforms	Uniform service	148.27
42822	USA Bluebook	Supplies - Lab	Various lab supplies	2,410.18
42823	Valley CM, Inc.	Services - Contractors	Management and inspection services	5,284.00
42824	Vaughn Irrigation Services, In	Repair Parts Expense	Viton rubber kit	1,723.57
42825	VEGA Americas, Inc	Repair Parts Expense	Level sensor	1,220.62
42826	Verizon Wireless	Utilities - Telephone	Cell phone - 08/11/23 - 09/10/23	587.56
42827	Verizon Wireless	Utilities - Telephone	Cell phone service - 08/08/23 - 09/07/23	1,017.67
42828	Void			-
42829	Volt Management Corp	Services - Temp	Internship program and temp services	13,621.37
42830	VWR International, Inc.	Supplies - Lab	Various lab supplies	2,369.80
42831	WageWorks	Payroll Processing Fees	Admin fee - Aug	155.00
On-line 827	ReadyRefresh	Supplies - Lab	Kitchen and lab supplies	929.01
On-line 828	BankCard Center	Supplies - Safety	Various supplies	9,079.47
On-line 829	Home Depot Credit Services	Shop Tools and Equip.	Various supplies	1,133.86
On-line 830	P. E. R. S.	Medical Insurance - Pers	Health - October	32,758.16
On-line 831	Public Employees- Retirement	Retirement Plan - PERS	Retirement - 08/19/23 - 09/01/23	19,080.31
On-line 832	Public Employees- Retirement	Retirement Plan - PERS	Retirement - 09/02/23 - 09/15/23	18,758.86
On-line 833	San Diego Gas & Electric	Utilities - Gas & Electric	Gas and electric - 08/09/23 - 09/07/23	114,343.49
On-line 834	Sun Life Financial	Life Insurance/Disability	Life and disability - October	2,706.74
On-line 835	WM Corporate Services, Inc.	Services - Grit & Screenings	Roll off bins - 08/01/23 - 08/31/23	345.00
	San Elijo Payroll Account	Payroll	Payroll - 09/08/2023	93,026.58
	San Elijo Payroll Account	Payroll	Payroll - 09/22/2023	91,539.39
				<b>\$ 698,248.08</b>

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

**For the Month of September 2023  
As of September 30, 2023**

PAYMENT OF WARRANTS \$ 698,248.08

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.



---

Amy Chang  
Director of Finance & Administration

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

**As of September 30, 2023**

<b>FUNDS ON DEPOSIT WITH</b>	<b>AMOUNT</b>
<b>LOCAL AGENCY INVESTMENT FUND</b> <i>(SEPTEMBER 2023 YIELD 3.534%)</i>	\$ 15,988,896.42
<b>CALIFORNIA BANK AND TRUST</b> <i>(SEPTEMBER 2023 YIELD 0.01%)</i>	1,691,298.37
<b>U.S. Bank</b> <i>(SEPTEMBER 2023 YIELD 4.40%)</i>	15,132,853.93
<b>PARS</b> <i>(AUGUST 2023 YIELD -1.68%)</i>	611,369.19
<b>TOTAL RESOURCES</b>	<u>\$ 33,424,417.91</u>

\*

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

October 17, 2023

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: WASTEWATER TREATMENT REPORT

RECOMMENDATION

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

DISCUSSION

Monthly Treatment Plant 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 August 2023. The primary indicators of treatment performance include the removal of Total Suspended Solids (TSS) and Carbonaceous Biochemical Oxygen Demand (CBOD). The 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 **99.2** and **99.0** percent removal, respectively, during the month of August.

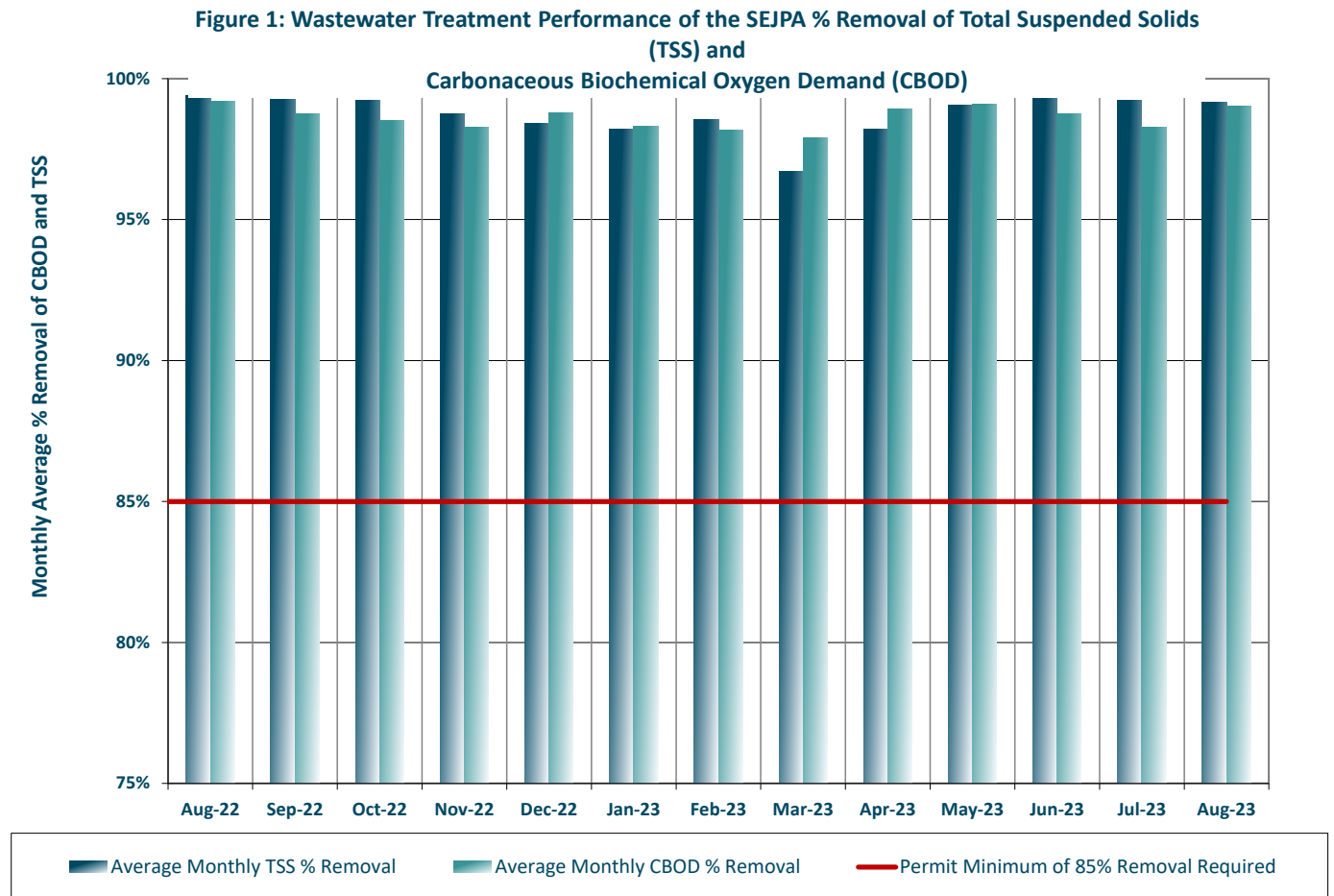


## Exceptional Water Treatment

Treatment Removed  
99.2% of TSS

Treatment Removed  
99.0% of CBOD

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%.



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

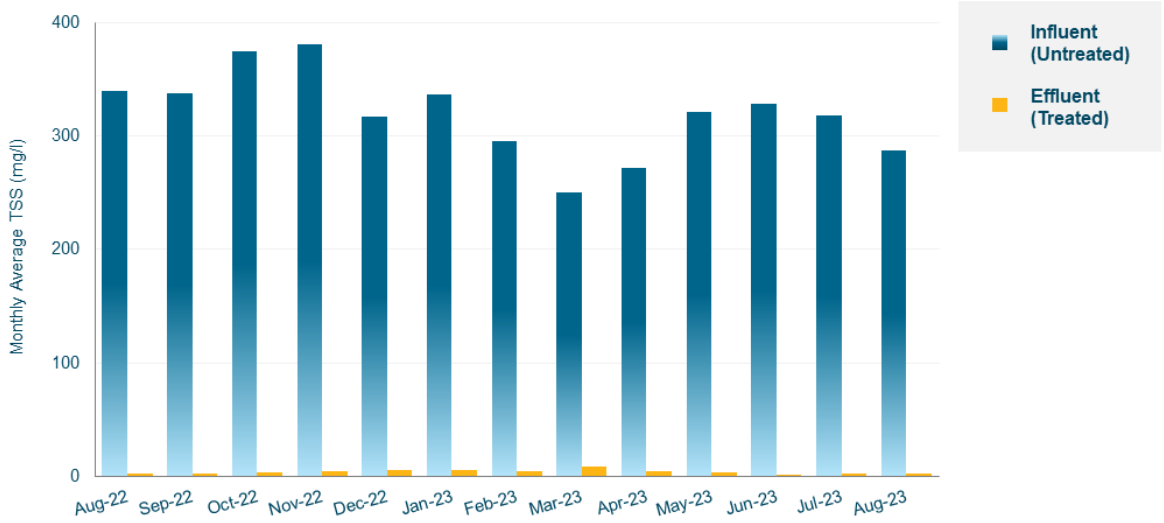
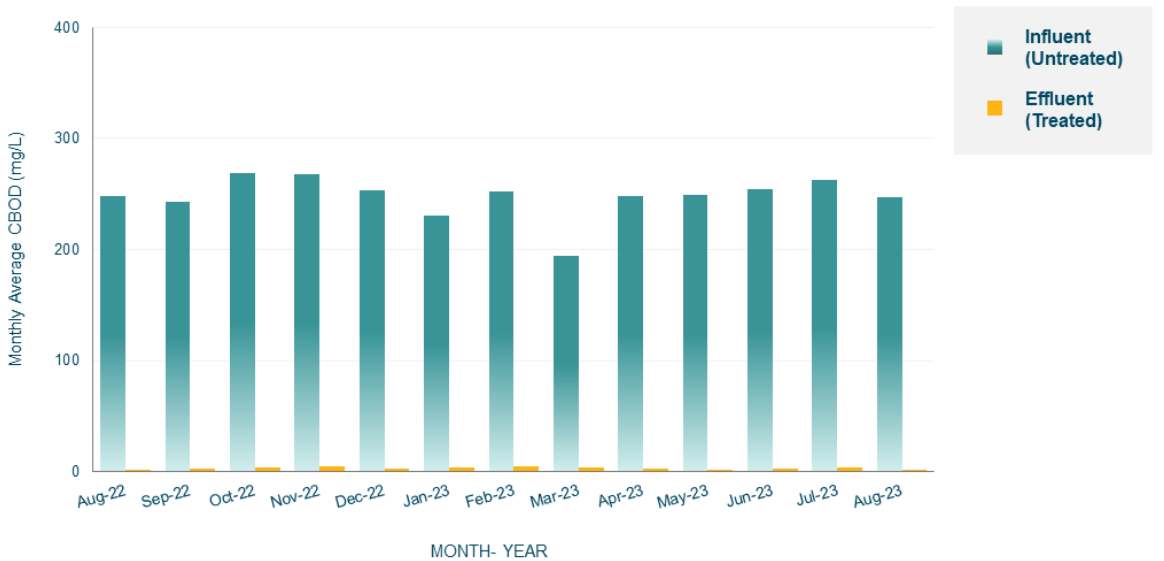


FIGURE 3: TREATED EFFLUENT FLOWS REMOVAL OF CBOD



## Member Agency Flows

Table 1 (below) presents the influent and effluent flows for the month of August. Average daily influent flows were recorded for each Member Agency. Total effluent flow was calculated for the San Elijo Water Campus. Approximately 62% of the influent flow was diverted for recycled water use in August.

TABLE 1 - INFLUENT AND EFFLUENT FLOWS IN AUGUST

AUGUST			
	Influent (mad)	Recycled Water (mad)	Effluent (mad)*
Cardiff Sanitaru Division	1.242	0.771	0.471
Citu of Solana Beach	0.954	0.593	0.361
Rancho Santa Fe SID	0.177	0.110	0.067
Citu of Del Mar	0.494	0.307	0.187
Total San Elijo Water Campus Flow	2.867	1.781	1.086

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

Table 2 (below) presents the historical average and unit influent rates per month for each of the Member Agencies during the past 3 years. It also presents the number of connected Equivalent Dwelling Units (EDUs) for each of the Member Agencies 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 PLANT	CSD	RSF	SB	DM	TOTAL EDUS	CSD	RSF	SB	DM	TOTAL PLANT
Sep-20	1.225	0.151	0.956	0.362	2.694	8,540	578	8,110	2,616	19,844	143	261	118	146	136
Oct-20	1.197	0.142	0.940	0.316	2.595	8,543	579	8,110	2,616	19,848	140	245	116	128	131
Nov-20	1.200	0.142	0.927	0.341	2.610	8,543	579	8,110	2,616	19,848	140	245	114	138	131
Dec-20	1.217	0.141	0.893	0.304	2.555	8,543	579	8,110	2,616	19,848	142	244	110	123	129
Jan-21	1.238	0.150	0.909	0.323	2.620	8,543	579	8,110	2,616	19,848	145	259	112	129	132
Feb-21	1.224	0.151	0.926	0.306	2.607	8,548	579	8,110	2,616	19,853	143	261	114	121	131
Mar-21	1.291	0.160	0.968	0.332	2.751	8,548	579	8,110	2,616	19,853	151	277	119	131	139
Apr-21	1.232	0.160	0.925	0.320	2.637	8,552	579	8,110	2,616	19,857	144	277	114	129	133
May-21	1.189	0.157	0.932	0.323	2.601	8,552	579	8,110	2,616	19,857	139	271	115	130	131
Jun-21	1.218	0.148	0.938	0.358	2.662	8,554	579	8,110	2,616	19,859	142	256	116	145	134
Jul-21	1.183	0.144	0.972	0.435	2.734	8,554	579	8,124	2,616	19,873	138	249	120	178	138
Aug-21	1.178	0.150	0.966	0.480	2.774	8,556	579	8,124	2,616	19,875	138	259	119	196	140
Sep-21	1.153	0.129	0.948	0.353	2.583	8,557	579	8,124	2,616	19,876	135	223	117	144	130
Oct-21	1.225	0.126	0.885	0.329	2.565	8,557	579	8,124	2,616	19,876	143	218	109	139	129
Nov-21	1.156	0.131	0.911	0.329	2.527	8,557	581	8,124	2,616	19,878	135	226	112	135	127
Dec-21	1.264	0.145	0.913	0.310	2.632	8,557	581	8,124	2,616	19,878	148	250	112	127	132
Jan-22	1.174	0.140	0.906	0.357	2.577	8,557	581	8,124	2,616	19,878	137	241	112	145	130
Feb-22	1.113	0.158	0.929	0.300	2.500	8,557	581	8,124	2,616	19,878	130	272	114	120	126
Mar-22	1.176	0.142	0.946	0.307	2.571	8,557	581	8,124	2,616	19,878	137	245	116	123	129
Apr-22	1.134	0.140	0.875	0.315	2.464	8,557	582	8,124	2,616	19,879	133	241	108	129	124
May-22	1.146	0.140	0.877	0.301	2.464	8,557	582	8,124	2,616	19,879	134	241	108	123	124
Jun-22	1.133	0.138	0.921	0.452	2.644	8,557	583	8,124	2,616	19,880	132	237	113	184	133
Jul-22	1.124	0.129	0.948	0.438	2.639	8,557	583	8,142	2,616	19,898	131	221	116	179	133
Aug-22	1.163	0.133	0.929	0.448	2.673	8,557	583	8,142	2,616	19,898	136	228	114	185	134
Sep-22	1.139	0.125	0.904	0.381	2.549	8,557	584	8,142	2,616	19,899	133	214	111	158	128
Oct-22	1.083	0.128	0.890	0.295	2.396	8,557	584	8,142	2,616	19,899	127	219	109	122	120
Nov-22	1.205	0.124	0.879	0.336	2.544	8,557	585	8,142	2,616	19,900	141	212	108	138	128
Dec-22	1.186	0.133	0.906	0.374	2.599	8,557	585	8,142	2,616	19,900	139	228	111	151	131
Jan-23	1.630	0.200	0.979	0.379	3.188	8,557	585	8,142	2,616	19,900	190	342	120	153	160
Feb-23	1.323	0.167	0.930	0.371	2.791	8,557	585	8,142	2,616	19,900	155	286	114	149	140
Mar-23	1.892	0.255	1.044	0.392	3.583	8,557	585	8,142	2,616	19,900	221	436	128	154	180
Apr-23	1.244	0.187	0.915	0.303	2.649	8,557	586	8,142	2,616	19,901	145	319	112	123	133
May-23	1.184	0.167	0.879	0.295	2.525	8,557	586	8,142	2,616	19,901	138	285	108	120	127
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

CSD: Cardiff Sanitary Division

RSF: Ranch Santa Fe Community Service District

SB: Solana Beach

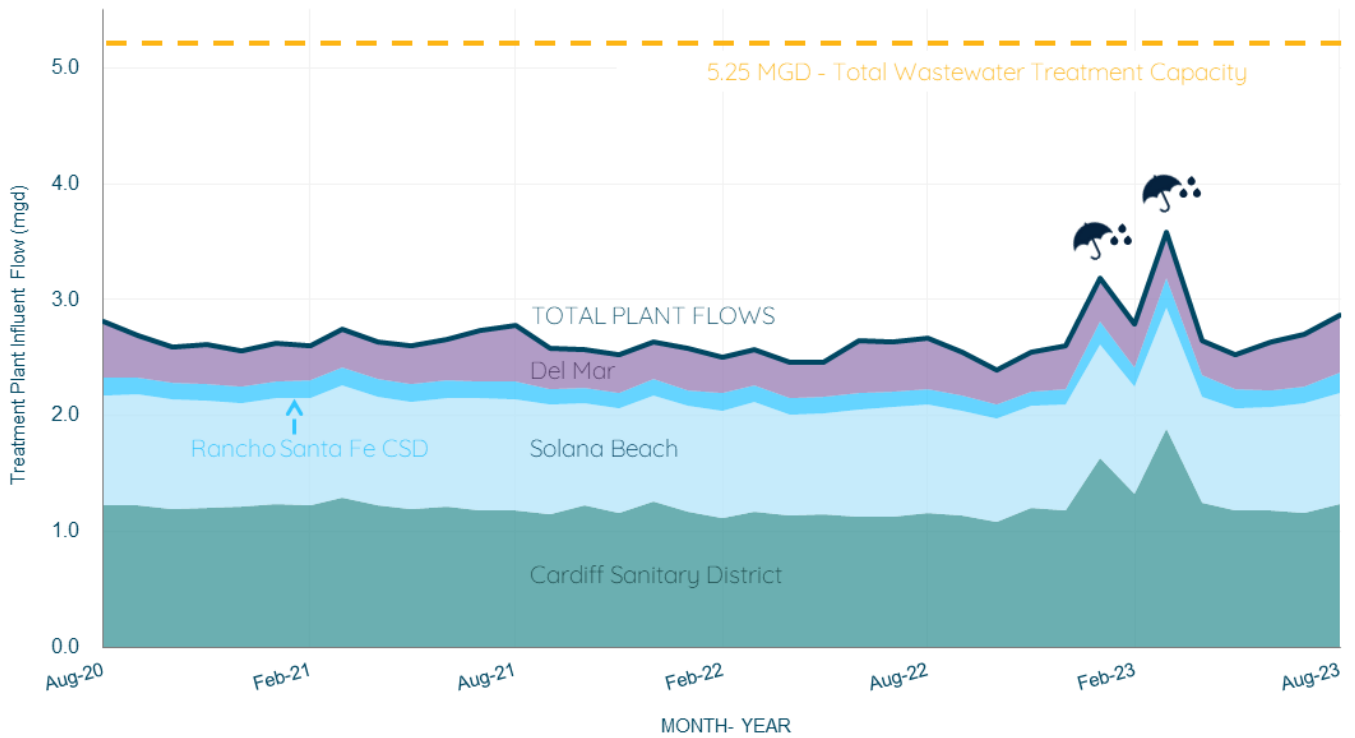
DM: City of Del Mar

EDU: Equivalent Dwelling Unit



Figure 4 (below) presents the 3-year historical average daily flows per month for each Member 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 each Member Agency has 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 flow rate for the month of August 2023 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 FLOWS

	Flow (mgd)
Escondido (Average flow rate)	8.48
Escondido (Peak flow rate)	17.8


Connected Equivalent Dwelling Units

The Cities of Encinitas, Solana Beach and Del Mar updated the number of connected EDUs that are reported to the SEJPA in August 2022. The 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	8,559
Rancho Santa Fe SID	586
City of Solana Beach	7,829
San Diego (to Solana Beach)	337
City of Del Mar	2,622
<b>Total EDUs to System</b>	<b>19,933</b>

Respectfully submitted,



Michael T. Thornton, P.E.  
General Manager

\*

AGENDA ITEM NO. 10

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

October 17, 2023

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: RECYCLED WATER REPORT

RECOMMENDATION

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

DISCUSSION

*Recycled Water Production*

For the month of August 2023, recycled water demand was 178.9 acre-feet (AF), which was met using 178.4 AF of recycled water and supplemented with 0.5 AF of potable water. August demand was 26.8% below budget expectations of 235 AF due to the tropical storm that produced rain in the area on August 20. SEJPA recycled water demand relies heavily on outdoor irrigation water and rainfall can impact demand.

Figure 1 (attached) provides a graphical view of annual recycled water demand spanning the last 10 fiscal years, with the overlay of annual rainfall. Since the recycled water program primarily serves outdoor irrigation, annual demand is reduced during wet periods and increases during times of drought. Figure 2 (attached) shows the monthly recycled water demand for each August for the last ten years to provide a year-over-year comparison. Figure 3 (attached) compares budget versus actual recycled water sales for FY 2023-24.

Respectfully submitted,



Michael T. Thornton, P.E.  
General Manager

FIGURE 1: RECYCLED WATER DEMAND AND RAINFALL COMPARISON

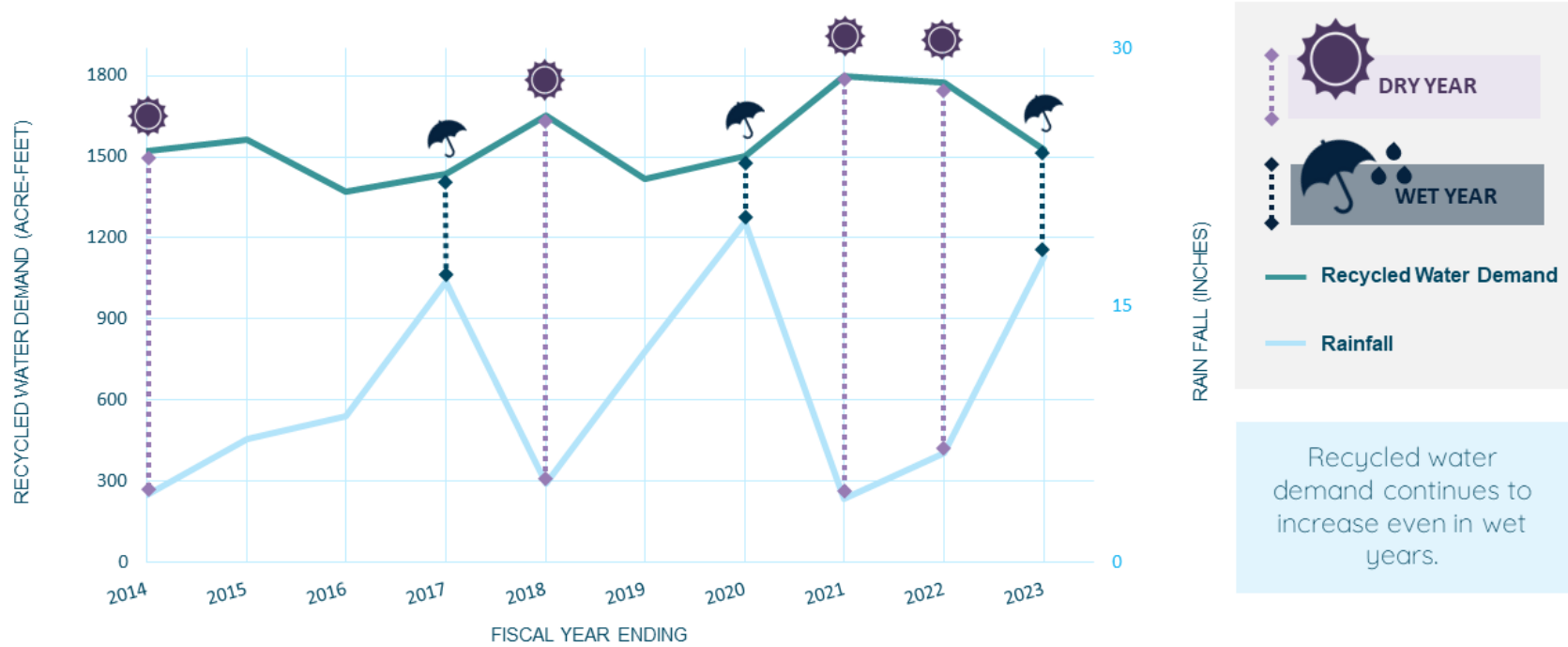


FIGURE 2: AUGUST RECYCLED WATER DEMAND

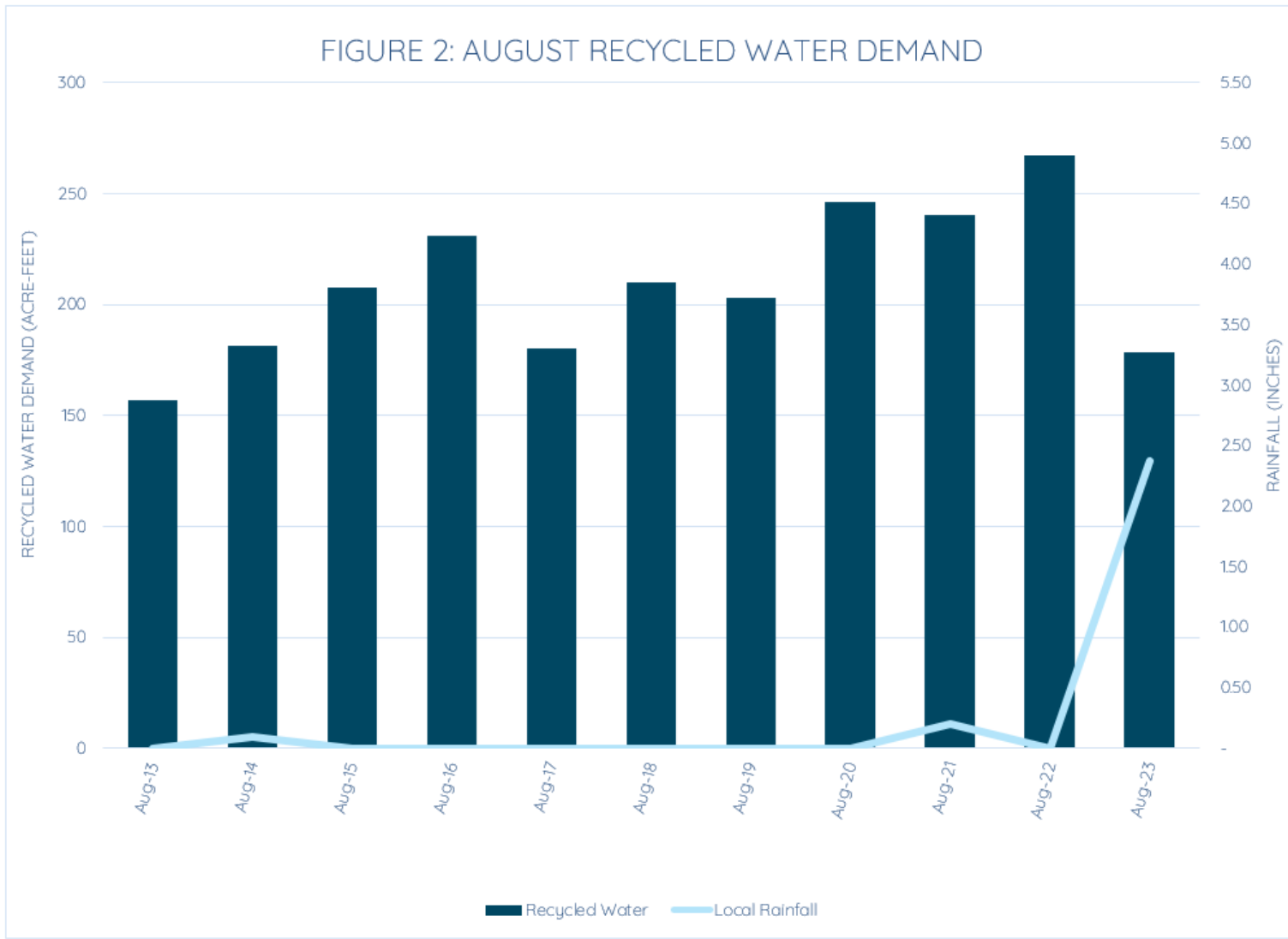
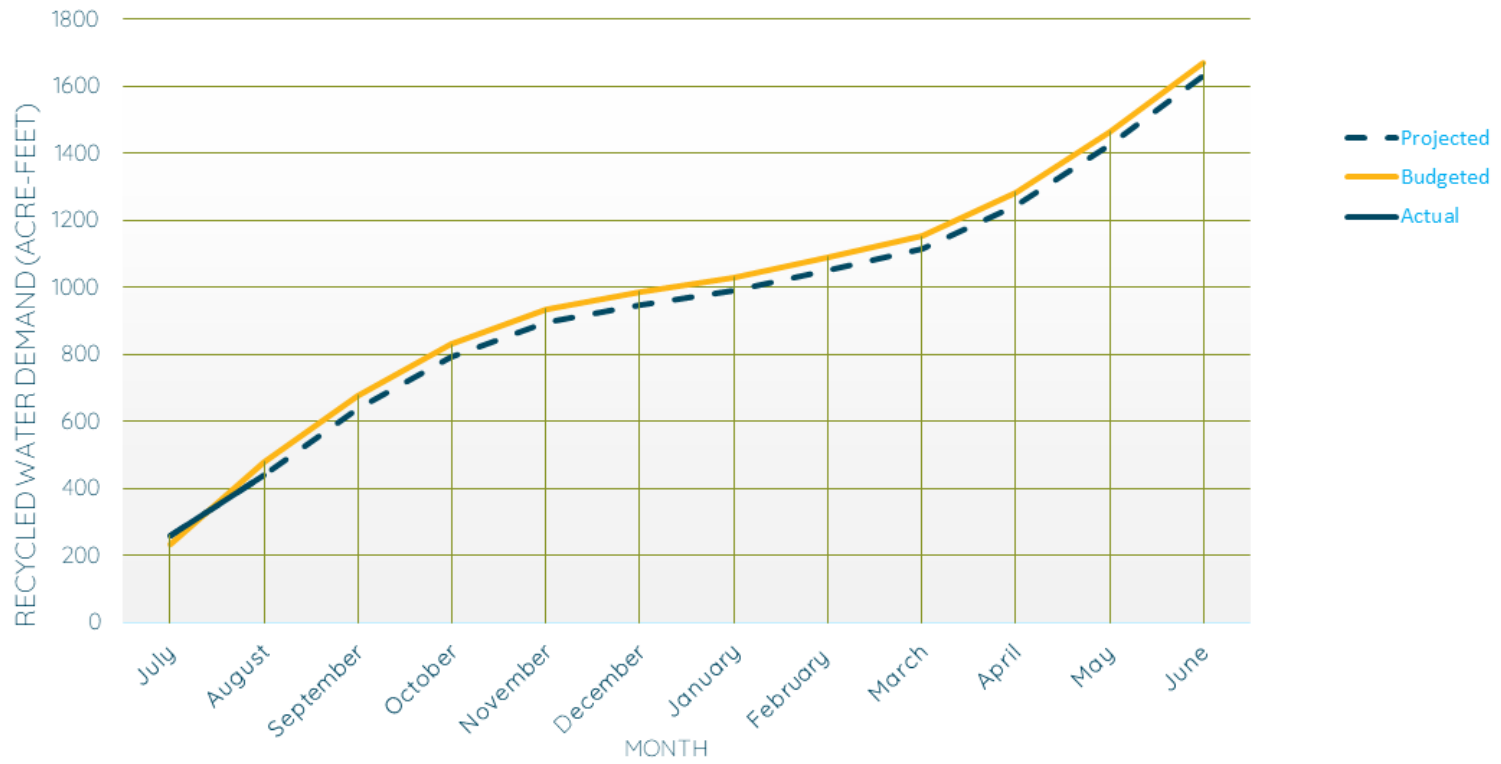


FIGURE 3: FY2023/24 CUMULATIVE DEMAND VS BUDGET



\*

AGENDA ITEM NO. 11

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

October 17, 2023

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 for the month of September.

FINANCIAL IMPACT

Per the SEJPA Restatement Agreement, SEJPA pays the Board Member \$160 for each reportable meeting. These meetings are accounted for in our annual budget.

Respectfully submitted,



Michael T. Thornton, P.E.  
General Manager

\*

AGENDA ITEM NO. 12

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

October 17, 2023

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: WANKET TANK REFURBISHMENT, PIPELINE, AND RECYCLED WATER VALVE REPLACEMENT – REJECT BID AND REVISED STRATEGY FOR PROJECT DELIVERY

RECOMMENDATION

It is recommended that the Board of Directors:

1. Reject all bids and authorize SEJPA staff to pursue revised strategy for delivering critical project elements; and
2. Discuss and take other action as appropriate.

BACKGROUND

In 2022, SEJPA acquired rights to the existing 3-million-gallon Wanket Tank located adjacent to the Encinitas Ranch Golf Course, which had been taken out of service approximately 10 years ago. Plans were developed to refurbish the concrete tank and build a pipeline to connect the tank to SEJPA's existing distribution system. Increasing water storage within the distribution system will relieve operational stress, improve system reliability, and increase service capacity. SEJPA has secured State and Federal grants to partially fund the tank refurbishment and connecting pipeline. In addition, as part of its regular asset management program, 35 existing isolation valves within the distribution system that are at the end of their service life (20+ years of service) have been identified for replacement.

The project was packaged with three work components, the tank refurbishment, the connecting pipeline, and replacement of existing distribution system valves. The strategy of combining these projects into one construction contract intended to leverage common public works labor and purchasing power, with the expectation that a larger scope would increase bidder competition and yield lower overall costs. The Engineer's Estimate and SEJPA budget for these combined projects was \$3 million.

DISCUSSION

In July 2023, SEJPA publicly noticed and advertised a Request for Bids for The Wanket Tank Refurbishment, Recycled Water Pipeline, and Recycled Water Valve Replacement Project on



PlanetBids, its online bidding portal. A total of 60 entities accessed the bidding documents via PlanetBids during the bid period including 18 contractors registered as “prime” bidders; however, only a single bid was received. The single bidder, Pacific Hydrotech, Inc. submitted a bid of \$4,612,600, which exceeded the project budget by approximately \$1.6 million.

To understand the limited bidder response, SEJPA staff contacted non-bidders and met with the single bidder to assess the reason for the limited response to this solicitation. Concerns included disparate project scopes, stipulated requirements for working within the golf course, and logistics of working within public rights of way. SEJPA conferred with its consultant engineer and construction manager to obtain opinions on the scope, project phasing, and cost implications.

Based on the input received from the construction market and our consultants, it is now believed that advertising these scopes as separate construction packages focused on discrete work elements will yield more bidder interest. The pipeline scope can be rebid immediately to minimize delays to the capital program with the intent of completing the work within the golf course before summer 2024. The Wanket Tank refurbishment will be further evaluated through a value engineering exercise and rebid in early 2024.

SEJPA will reassess the recycled water valve replacement scope and conduct outreach to small, local contractors before rebidding. It is anticipated that smaller bid packages with valves grouped by location will be more attractive to local contractors. Prioritizing the most critical valves and phasing the replacement of 35 valves may improve bidder interest and reduce burden on SEJPA staff to administer the construction contracts.

In light of this assessment, staff is recommending the Board reject all bids and readvertise the projects as set forth above in future publicly noticed bid packages. Public Contract Code Section 20783 allows the Board, in its discretion, to reject any bids and readvertise.

### FINANCIAL IMPACT

There is no fiscal impact associated with the recommended Board action.

### RECOMMENDATION

It is therefore recommended that the Board of Directors:

1. Reject all bids and authorize SEJPA staff to pursue revised strategy for project delivery; and
2. Discuss and take other action as appropriate.

Respectfully submitted,



---

Michael T. Thornton, P.E.  
General Manager

SAN ELIJO JOINT POWERS AUTHORITY  
MEMORANDUM

October 17, 2023

TO: Board of Directors  
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: AIR AND WATER REGULATORY INFORMATION UPDATE

RECOMMENDATION

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

BACKGROUND

San Elijo Joint Powers Authority operates and maintains a variety of wastewater, stormwater, and recycled water infrastructure that requires compliance with 34 permits from 6 regulating agencies. Staff monitor the implications of emerging and anticipated future regulations on the sustainable operation of SEJPA's facilities. Understanding these regulatory trends allows SEJPA to maintain compliance with permits, develop adaptive operating strategies, and make informed capital program decisions to ensure alignment with future environmental standards.

DISCUSSION

Staff will brief the Board on significant regulatory trends including:

- Per- and Polyflouroalkyl Substances (PFAS), a large, complex group of synthetic chemicals that will soon be regulated in drinking water;
- Potable reuse regulations including adopted rules for indirect potable reuse and imminent rules for direct potable reuse; and
- Air emission regulations that govern use of biogas.

RECOMMENDATION

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

Respectfully submitted,



---

Michael T. Thornton, P.E.  
General Manager