

AGENDA
SAN ELIJO JOINT POWERS AUTHORITY
MONDAY, MARCH 12, 2018 AT 8:30 AM
SAN ELIJO WATER RECLAMATION FACILITY – CONFERENCE ROOM
2695 MANCHESTER AVENUE
CARDIFF BY THE SEA, CALIFORNIA

1. CALL TO ORDER
2. ROLL CALL
3. PLEDGE OF ALLEGIANCE
4. ORAL COMMUNICATIONS (NON-ACTION ITEM)
5. PRESENTATION OF AWARDS

Dale Kreinbring, 5 Years of Service
Jennifer Basco, 5 Years of Service
6. * **CONSENT CALENDAR**
7. * APPROVAL OF MINUTES FOR FEBRUARY 12, 2018 MEETING
8. * APPROVAL FOR PAYMENT OF WARRANTS AND MONTHLY INVESTMENT REPORTS
9. * SAN ELIJO WATER RECLAMATION FACILITY TREATED EFFLUENT FLOWS – MONTHLY REPORT
10. * SAN ELIJO JOINT POWERS AUTHORITY RECYCLED WATER PROGRAM – MONTHLY REPORT
11. * 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

12. **CAPITAL IMPROVEMENT PROGRAM UPDATE**

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

Staff Reference: General Manager

13. **GENERAL MANAGER'S REPORT**

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

14. **GENERAL COUNSEL'S REPORT**

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

15. **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.

16. **CLOSED SESSION**

None

A closed session may be held at any time during this meeting of the San Elijo Joint Powers Authority for the purposes of discussing potential or pending litigation or other appropriate matters pursuant to the "Ralph M. Brown Act".

17. **ADJOURNMENT**

The next regularly scheduled San Elijo Joint Powers Authority Board Meeting will be Monday, April 9, 2018 at 8:30 a.m.

NOTICE:

The San Elijo Joint Powers Authority's open and public meetings meet 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 is 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 SEJPA Board meetings are held on the second Monday of the month, except August.

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 in the following locations:

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: March 7, 2018

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

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

SAN ELIJO JOINT POWERS AUTHORITY
MINUTES OF THE BOARD MEETING
HELD ON FEBRUARY 12, 2018
AT THE
SAN ELIJO WATER RECLAMATION FACILITY

Tasha Boerner Horvath, Chair

David Zito, Vice Chair

A meeting of the Board of Directors of the San Elijo Joint Powers Authority (SEJPA) was held Wednesday, February 12, 2018, at 8:30 a.m., at the San Elijo Water Reclamation Facility at 2695 Manchester Avenue, Cardiff by the Sea, California.

1. CALL TO ORDER

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

2. ROLL CALL

Directors Present:

Ginger Marshall
Tasha Boerner Horvath
David Zito
Joe Mosca

Directors Absent:

None

Others Present:

General Manager
Director of Operations
Director of Finance & Administration
Associate Engineer
SCADA Manager
Accounting Technician
Administrative Assistant/Board Clerk

Michael Thornton
Chris Trees
Paul Kinkel
Mike Konicke
Casey Larsen
Carrie Cook
Jennifer Basco

SEJPA Counsel:

Procopio, Cory, Hargreaves & Savitch

Tracie Stender

City of Solana Beach:

City Manager
Director of Engineering/Public Works

Greg Wade
Mohammad "Mo" Sammak

City of Encinitas:

Public Works Management Analyst
Director of Public Works

Bill Wilson
Carl Quiram

3. PLEDGE OF ALLEGIANCE

Chair Boerner Horvath led the Pledge of Allegiance.

4. ORAL COMMUNICATIONS

The General Manager shared a thank you letter received from Mim Michelove, Director of Encinitas Union School District Farm Lab, for educating as well as inspiring their 5th grade students through tours of the facility.

5. PRESENTATION OF AWARDS

General Manager Thornton presented the California Water Environment Association, San Diego Section, Coast Highway 101 Sewer Pump Station Rehabilitation and Forcemain Replacement Engineering Achievement Award to the Board of Directors.

6. CONSENT CALENDAR

Moved by Vice Chair Zito and seconded by Board Member Marshall to approve the Consent Calendar.

Agenda Item No. 7 Approval of Minutes for the January 10, 2018 Meeting

Agenda Item No. 9 San Elijo Water Reclamation Facility Treated Effluent Flows – Monthly Report

Agenda Item No. 10 San Elijo Joint Powers Authority Recycled Water Program – Monthly Report

Motion carried with the following vote of approval:

AYES: Boerner Horvath, Zito, Mosca, Marshall
NOES None
ABSENT: None
ABSTAIN: None

Agenda Item No. 8 Approval for Payment of Warrants and Monthly Investment Report

Motion carried with the following vote of approval:

AYES: Boerner Horvath, Zito, Marshall
NOES: None
ABSENT: None
ABSTAIN: Mosca

11. ITEMS REMOVED FROM CONSENT CALENDAR

None

12. SAN ELIJO JOINT POWERS AUTHORITY MID-YEAR REVIEW OF THE FISCAL YEAR 2017-18 OPERATING BUDGET

Paul Kinkel, Director of Finance and Administration, presented the mid-year analysis of the SEJPA's FY 2017-18 estimated financial forecast. Mr. Kinkel stated that overall, the SEJPA is expected to conclude the fiscal year at or below budget. Programs budgeted by the SEJPA include: Wastewater Treatment, Laboratory Services, Ocean Outfall, Cardiff Pump Stations, Solana Beach Pump Stations, City of Solana Beach Services, Encinitas Pump Stations, Encinitas Storm Water, Del Mar Pump Station, and Recycled Water. Mr. Kinkel informed the Board of Directors that total operating expenses for the agency are expected to be \$253,687 or 4.1% under budget. The current outlook for the Recycled Water program is to sell approximately 65 acre feet more than planned. Overall, the Recycled Water Program is anticipated to generate \$124,450 in revenue greater than budget, and \$363,521 of revenue over expense.

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

13. AGREEMENT AMENDMENT FOR CONSTRUCTION MANAGEMENT & INSPECTION SERVICES FOR LAND OUTFALL REPLACEMENT

General Manager Thornton provided a brief background on Phase I of a multi-phased capital improvement program to construct a series of clean water related infrastructure projects, which include the Land Outfall Replacement and Preliminary Treatment and Odor Control Upgrades projects. In May 2017, the Board awarded the professional services agreement to Black & Veatch for construction management and environmental compliance services for these projects. During construction of the Land Outfall Replacement Project, the contractor encountered construction challenges that slowed progress. These delays placed the project at-risk of extending past regulatory permit construction work windows and migratory bird seasons. The unforeseen delays also increased the potential to stall other local infrastructure projects within the San Elijo lagoon and at Cardiff State Beach. In consideration of the delays and constraints, the SEJPA approved the contractor's request to implement an accelerated work schedule (24 hours per day, 6 days per week) to keep the project's critical milestones on track. The General Manager stated that Black & Veatch provided an additional 768.5 hours of required nighttime construction monitoring and inspection, at a negotiated hourly cost. Construction management and inspection services are expected to require an additional \$119,715 to complete the project. Funding is available in the SEJPA capital program.

Moved by Board Member Mosca and seconded by Vice Chair Zito to:

1. Authorize amendment of the professional services agreement with Black & Veatch for an additional amount not to exceed \$119,715.

Motion carried with the following vote of approval:

AYES:	Boerner Horvath, Zito, Mosca, Marshall
NOES:	None
ABSENT:	None
ABSTAIN:	None

14. BUILDING PROGRAM AND COMMUNITY BIKE PATH AND ROUNDABOUT UPDATE

General Manager Thornton updated the Board of Directors on the Building and Site Improvement Program. The SEJPA continued working with City of the Encinitas staff to coordinate the Manchester Avenue roundabout element. Property acquisitions and easement adjustments for small portions of adjacent parcels may be required to construct the roundabout. The General Manager also stated that progress continued on the design of the proposed bicycle/pedestrian path through the SEWRF. The path requires conversion of existing open space easements within the SEWRF to a City of Encinitas trail easement. The roundabout and regional bicycle/pedestrian path are transportation elements that SANDAG/Caltrans propose to fund. Caltrans is preparing a cooperative agreement that is to outline roles, responsibilities, and budgets for these transportation elements.

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

15. GENERAL MANAGER'S REPORT

The General Manager informed the Board of Directors that the San Diego Regional Water Quality Control Board has proposed new requirements to the SEJPA ocean discharge National Pollutant Discharge Elimination System (NPDES) permit, and these changes are currently out for public review and comment.

16. GENERAL COUNSEL'S REPORT

Tracie Stender updated the Board of Directors on Burrtec v. Imperial County which should allow the import of biosolids into Imperial County. Also, the Office of Administrative Hearings set a hearing date on the agency's appeal of CalPERS' determination regarding reporting uniforms as special compensation and has approved consolidation with Encina Wastewater Authority's appeal. Updates will be presented to the Board of Directors as they occur.

17. BOARD MEMBER COMMENTS

None

18. CLOSED SESSION

None

19. ADJOURNMENT

The meeting adjourned at 9:36 a.m. The next Board of Directors meeting will be held on March 12, 2018 at 8:30 a.m.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY
PAYMENT OF WARRANTS
18-03
For the Months of January and February 2018

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
35307	Atlas Pumping Service Inc.	Services - Grease & Scum	Equipment storage; grease and scum pumping	635.80
35308	Automation Direct	Repair Parts Expense	Iron horse drive and digital display	850.98
35309	Barracuda Networks, Inc.	Utilities - Internet	Network back-up - service for one year	578.00
35310	Boot World, Inc.	Uniforms - Boots	Safety boots	185.00
35311	Brenntag Pacific, Inc.	Supplies - Chemicals	Sodium hydroxide	2,274.39
35312	CA-NV Section AWWA	Dues & Memberships	Membership	80.00
35313	Carollo Engineers	Services - Engineering	Secondary clarifier hydraulic modeling	7,656.35
35314	CA Assoc. of Sanitary Agencies	Dues & Memberships	Membership - Agency	12,855.00
35315	Chevron & Texaco Business Card	Fuel	Fuel - January	582.41
35316	Coast Waste Management, Inc.	Services - Grit & Screenings	10 yard roll-off	1,318.32
35317	CWEA Membership	Dues & Memberships	Membership; certificates - lab analyst and electrical	400.00
35318	County of San Diego	Fees - Permits	Facility permit	229.50
35319	Del Mar Blue Print	Printing	Poster boards for land outfall replacement	117.45
35320	Dudek & Associates	Services - Professional	Preliminary treatment upgrades and SWAP project	10,083.93
35321	EDCO Waste & Recycling Service	Utilities - Trash	January	242.75
35322	City of Encinitas	Service - IT Support	Admin network - January and February	5,250.00
35323	Evantec Lab Supply	Supplies - Lab	Laboratory supplies	841.91
35324	Forte of San Diego	Supplies - Janitorial	Supplies	485.16
35325	Grainger, Inc.	Repair Parts Expense	Motor and barrier system	1,265.92
35326	GTT Communications	Utilities - Internet	T-1 service - February	269.03
35327	Hach Company	Repair Parts Expense	Door replacement kit	266.17
35328	Heaslett Sales Inc.	Repair Parts Expense	Seal kit	418.07
35329	Kemira Water Solutions, Inc.	Supplies - Chemicals	Ferric chloride	4,345.13
35330	The Lawton Group	Services - Intern Program	Weeks worked - 01/02/18 - 01/19/18	2,967.03
35331	Liberty Process Equipment, Inc.	Capital Outlay	Thickened Waste-Activated Sludge pump	9,010.18
35332	Marine Taxonomic Services, Ltd.	Services - Contractors	Offshore water sampling	434.00
35333	McMaster-Carr Supply Co.	Repair Parts Expense	Plumbing parts, plugs, gloves	422.86
35334	MW Peltz & Associates, Inc.	Services - Professional	HOA screen project	11,200.64
35335	NeWest Construction	Services - Contractors	Headworks and grit project	57,878.27
35336	Public Employees - Retirement	Retirement Plan - PERS	Retirement - 01/13/18 - 01/26/18	12,402.86
35337	ProBuild Company, LLC	Supplies - Shop & Field	Repair parts, shop and field supplies	625.13
35338	ReadyRefresh	Supplies - Lab	Kitchen and lab supplies	338.69
35339	RSF Security Systems	Services - Maintenance	Battery and transformer	56.50
35340	Santa Fe Irrigation District	Utilities - Water	Recycled water	1,287.59
35341	San Dieguito Water District	Utilities - Water	Recycled water	96.35
35342	San Dieguito Water District	Utilities - Water	Recycled water	953.85
35343	Southern California Fleet Services	Vehicle Maintenance	Preventive maintenance service	960.08
35344	Board of Equalization	Accrued Sales Tax Payable	4th Qtr - 2017	278.00
35345	Sun Life Financial	Life Insurance/Disability	Life and disability insurance - February	1,678.21
35346	SWRCB	Fees - Permits	Annual permit fee	1,400.00
35347	Terminix Processing Center	Services - Maintenance	Pest control	217.00
35348	Test America	Services - Laboratory	Testing water samples	1,973.00
35349	Unifirst Corporation	Services - Uniforms	Uniform service	369.20
35350	Underground Service Alert/SC	Services - Alarm	Dig alerts - January	196.45
35351	USA Bluebook	Repair Parts Expense	Pump	995.14
35352	Vantagepoint Transfer Agents	EE Deduction Benefits	ICMA - 457	7,005.64
35353	Vantagepoint Transfer Agents	ICMA Retirement	ICMA - 401a	3,222.91
35354	VWR International, Inc.	Supplies - Lab	Laboratory supplies	464.78
35355	Aflac	EE Deduction Benefits	Aflac - February	643.60
35356	Ag Tech, LLC	Services - Biosolids Hauling	Biosolids hauling - January	14,166.36
35357	Arbor West Tree Surgeons, Inc.	Services - Landscape	Trees services	15,357.50
35358	AT&T	Utilities - Telephone	Alarm service - February	398.59
35359	Atlas Pumping Service Inc.	Services - Grease & Scum	Grease and scum pumping; grit and screenings	3,662.44
35360	BankCard Center	Various	Parts, office supplies, and training	4,173.97
35361	Black & Veatch	Services - Management	Solids treatment process	14,365.00
35362	Brenntag Pacific, Inc.	Supplies - Chemicals	Citric acid	2,431.06
35363	Carollo Engineers	Services - Engineering	Protection study	8,041.40
35364	Chevron & Texaco Business Card	Fuel	Fuel - January and February	523.54
35365	Coast Waste Management, Inc.	Services - Grit & Screenings	Service charge - 01/06 - 01/31/18	148.78
35366	Complete Office	Supplies - Office	Pens and paper	98.53

SAN ELIJO JOINT POWERS AUTHORITY**PAYMENT OF WARRANTS****18-03****For the Months of January and February 2018**

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
35367	Corodata	Rent	Record storage - January	87.64
35368	County of San Diego	Fees - Permits	Facility permit	510.00
35369	County of San Diego	Fees - Permits	Facility permit	510.00
35370	County of San Diego	Fees - Permits	Facility permit	1,208.00
35371	County of San Diego	Fees - Permits	Facility permit	510.00
35372	County of San Diego	Fees - Permits	Facility permit	229.50
35373	DMV	Services - Other	Safety records - 12/01/17 - 01/31/18	6.00
35374	Dudek & Associates	Services - Professional	Preliminary treatment upgrades project	16,454.77
35375	Encina Wastewater Authority	Service - EWA Support	Resource sharing - HR and safety; training	1,802.00
35376	Eurofins Calscience, Inc.	Services - Laboratory	Testing water samples	250.00
35377	Forté of San Diego	Services - Janitorial	February	1,000.00
35378	Fusco Engineering	Services - Professional	Survey and record services	5,294.00
35379	GTT Communications	Utilities - Internet	T-1 service - March	296.03
35380	Hach Company	Supplies - Lab	Laboratory supplies	565.24
35381	Kaman Industrial Technologies	Repair Parts Expense	Sub-assembly inverter	778.01
35382	Kennedy/Jenks Consultants	Services - Engineering	Ocean outfall - Final design	5,158.38
35383	The Lawton Group	Services - Intern Program	Weeks worked - 01/15/18 - 02/02/18	2,409.44
35384	Marine Taxonomic Services, Ltd.	Services - Contractors	Offshore water sampling	434.00
35385	MBC Applied Environmental	Services - Contractors	Kelp surveys	5,312.81
35386	McMaster-Carr Supply Co.	Supplies - Shop & Field	Clamps, electrical parts	157.29
35387	Olin Corp - Chlor Alkali	Supplies - Chemicals	Sodium hypochlorite	2,666.72
35388	Olivenhain Municipal Water District	Rent	Pipeline rental payment - January	3,807.00
35389	Pacific Pipeline Supply	Repair Parts Expense	Plumbing parts	537.10
35390	Public Employees - Retirement	Retirement Plan - PERS	Retirement - 01/27/18 - 02/09/18	12,169.28
35391	PlanetBids, Inc.	Licenses	Vendor and bid management module	3,475.00
35392	Preferred Benefit Insurance	Dental/Vision	Vision - February	347.10
35393	Santa Fe Irrigation District	SFID Distribution Pipeline	Pipeline purchase payment - January	535.50
35394	San Dieguito Water District	Utilities - Water	Recycled water	1,278.98
35395	Smart & Final	Supplies - Office	Supplies	262.93
35396	SWRCB	Dues & Memberships	OIT certification	125.00
35397	Television 101	Services - Professional	Training and tour video	4,917.96
35398	Terminix Processing Center	Services - Maintenance	Pest control	48.00
35399	Test America	Services - Laboratory	Testing water samples	221.50
35400	Unifirst Corporation	Services - Uniforms	Uniform service	433.61
35401	Vantagepoint Transfer Agents	EE Deduction Benefits	ICMA - 457	7,011.44
35402	Vantagepoint Transfer Agents	ICMA Retirement	ICMA - 401a	3,228.71
	San Elijo Payroll Account	Payroll	Payroll - 02/02/2018	70,506.55
	San Elijo Payroll Account	Payroll	Payroll - 02/16/2018	64,506.15
				\$ 450,728.04

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS SUMMARY

**For the Months of January and February 2018
As of March 1, 2018**

PAYMENT OF WARRANTS		\$ 450,728.04
Reference Number	18-03	

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 the SEJPA, including the Member Agency commitment in their operating budgets to support the operations of the SEJPA, are expected to be adequate to meet the SEJPA's obligations over the next six months. I also certify that the SEJPA's investment portfolio complies with the SEJPA's investment policy.



Paul F. Kinkel
Director of Finance & Administration

STATEMENT OF FUNDS AVAILABLE FOR PAYMENT OF WARRANTS
AND INVESTMENT INFORMATION
As of March 1, 2018

FUNDS ON DEPOSIT WITH	AMOUNT
LOCAL AGENCY INVESTMENT FUND	
<i>(JANUARY 2018 YIELD 1.350%)</i>	
RESTRICTED SRF RESERVE	\$ 630,000.00
UNRESTRICTED DEPOSITS	\$ 10,977,936.71
CALIFORNIA BANK AND TRUST	
<i>(JANUARY 2018 YIELD 0.01%)</i>	
REGULAR CHECKING	\$ 159,688.60
PAYROLL CHECKING	\$ 5,000.00
UNION BANK - TRUSTEE (BOND FUNDS)	
BLACKROCK	\$ 787,361.71
<i>(JANUARY 2018 YIELD 1.20%)</i>	
LAIF	\$ 21,725,883.74
<i>(JANUARY 2018 YIELD 1.350%)</i>	
TOTAL RESOURCES	\$ 34,285,870.76

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

March 12, 2018

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: SAN ELIJO WATER RECLAMATION FACILITY TREATED EFFLUENT FLOWS
– MONTHLY REPORT

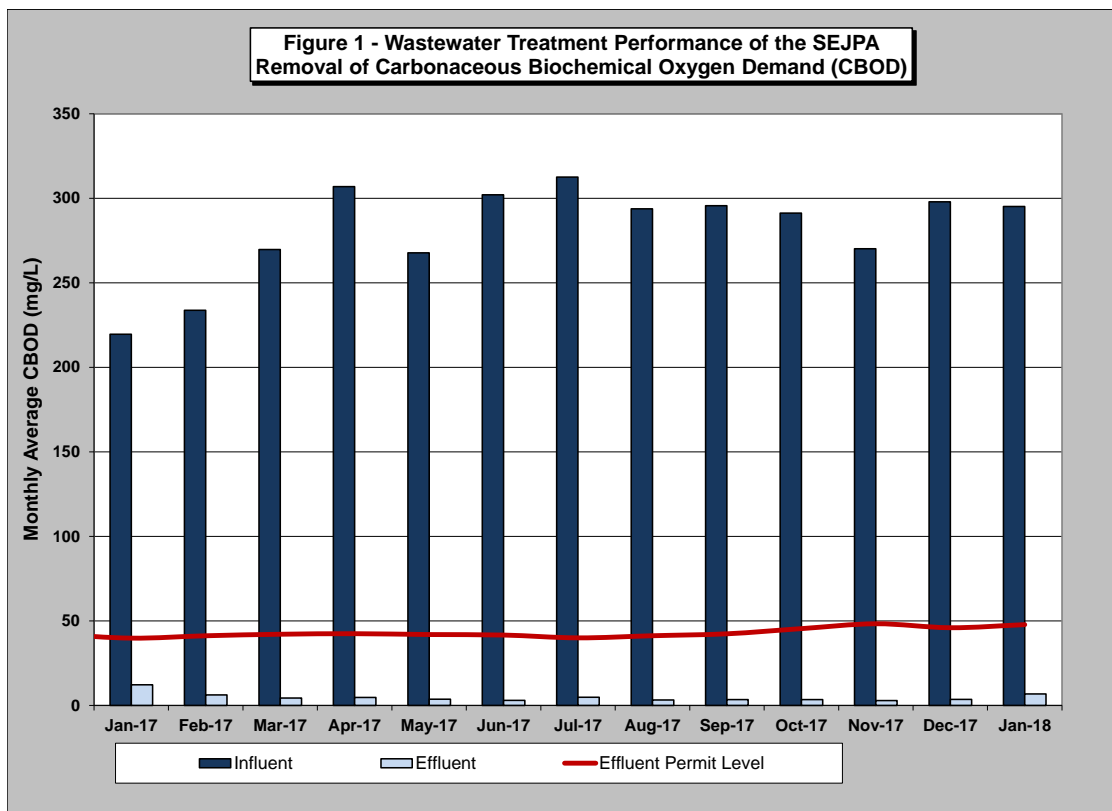
RECOMMENDATION

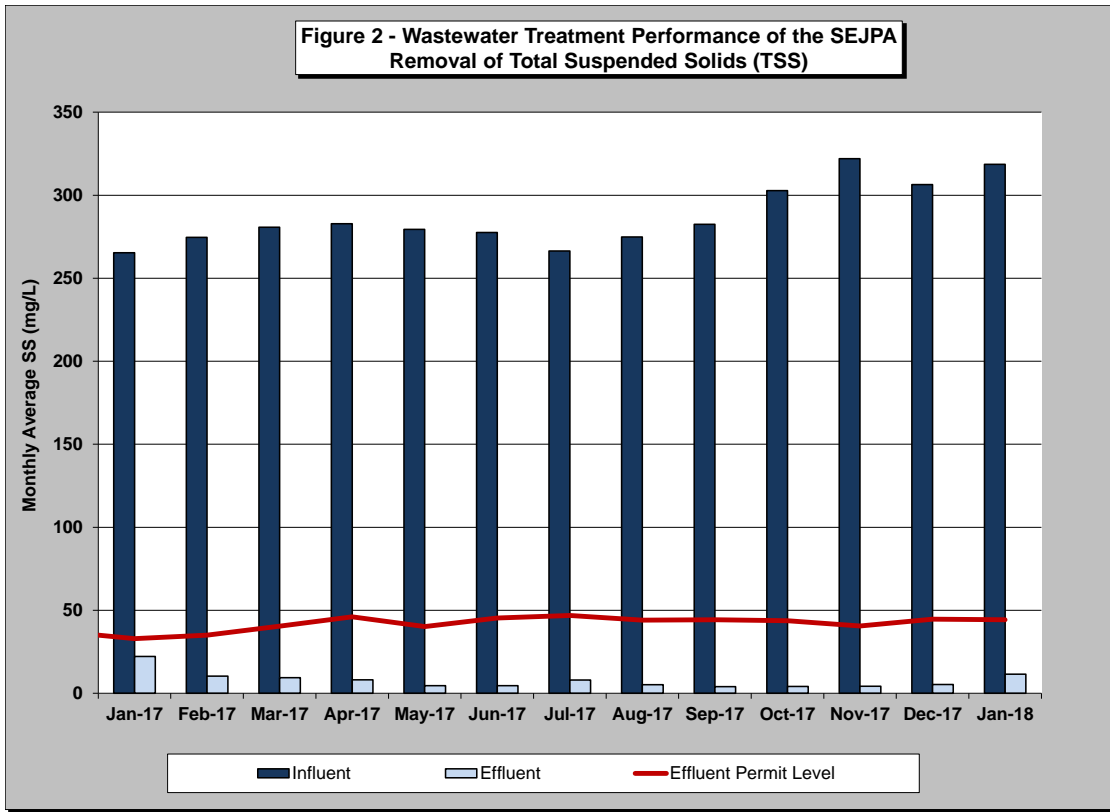
No action required. This memorandum is submitted for information only.

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 January 2018. The primary indicators of treatment performance include the removal of Carbonaceous Biochemical Oxygen Demand (CBOD) and Total Suspended Solids (TSS). The SEJPA is required to remove a minimum of 85 percent of the CBOD and TSS from the wastewater. Treatment levels for CBOD and TSS were 97.7 and 96.4 percent removal, respectively, (as shown in Figure 1 and Figure 2).





Member Agency Flows

Presented below are the influent and effluent flows for the month of January. Average daily influent flows were recorded for each Member Agency. Total effluent flow was calculated for the San Elijo Water Reclamation Facility. January 2017 was the first month that the City of Del Mar pumped flow to SEJPA. However, due to the treatment process upset and high influent flows associated with the January 2017 rain events, the flow was diverted back to San Diego JPA Metro. Currently, the City of Del Mar is in the process of eliminating high salinity infiltration that is occurring within the sanitary sewer collection system at the low lying beach areas. High salinity wastewater can negatively impact the biological treatment and water recycling process. Upon the completion of these repairs, which are in progress, the SEJPA will begin receiving wastewater flows from Del Mar.

	January	
	<u>Influent (mgd)</u>	<u>Effluent (mgd)*</u>
Cardiff Sanitary Division	1.276	0.886
City of Solana Beach	1.015	0.705
Rancho Santa Fe SID	0.125	0.087
City of Del Mar	0.000	0.000
Total San Elijo WRF Flow	2.416	1.678

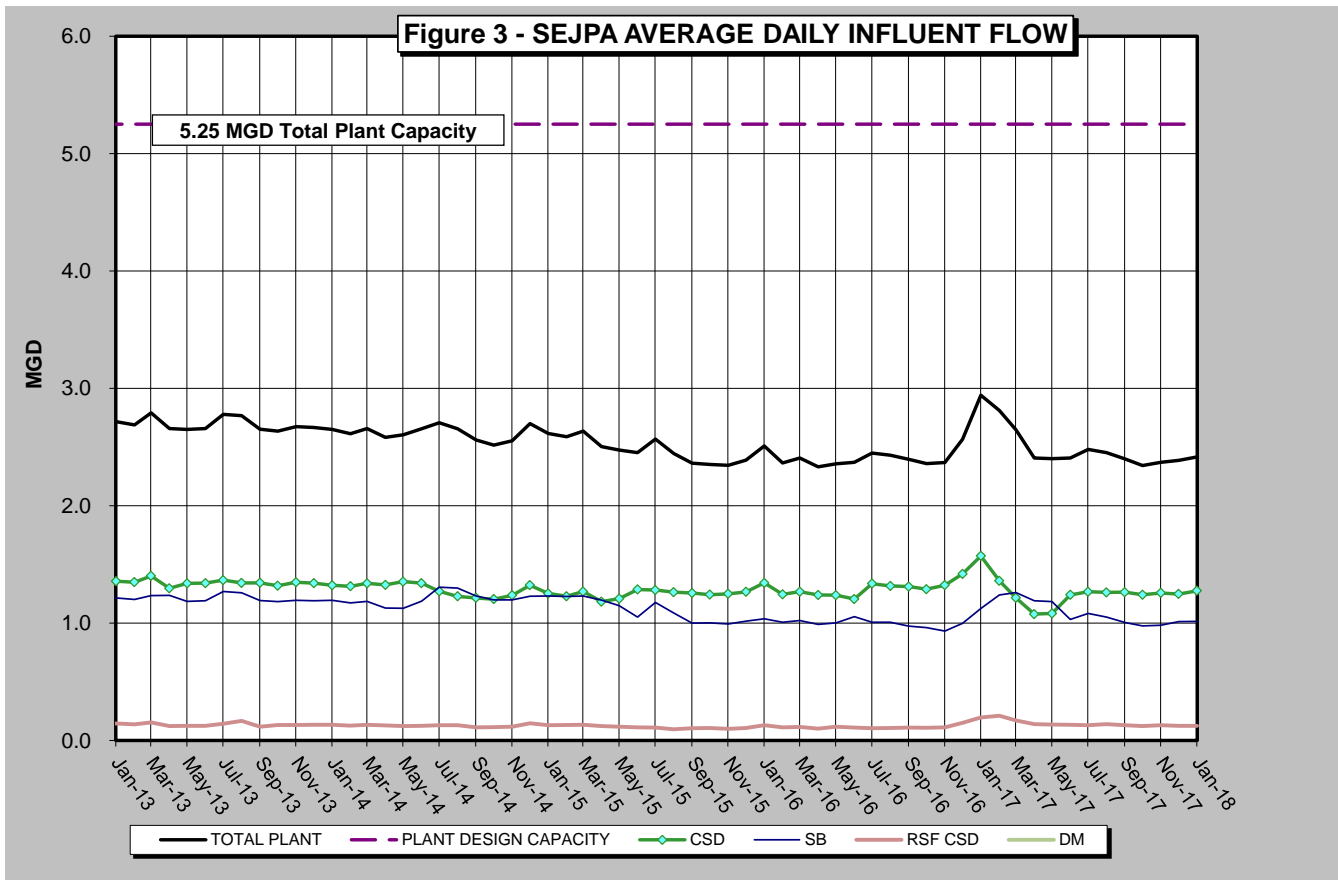
* Effluent is calculated by subtracting the recycled water production from the influent wastewater.

Table 1 (below) presents the historical average, maximum, and unit influent and effluent flow rates per month for each of the Member Agencies during the past 5 years. It also presents the number of connected Equivalent Dwelling Units (EDUs) for each of the Member Agencies during this same time period.

TABLE 1 - SAN ELIJO WATER RECLAMATION FACILITY MONTHLY REPORT - FLOWS AND EDUS

MONTH	AVERAGE DAILY INFLUENT FLOW RATE (MGD)					AVERAGE DAILY EFFLUENT FLOW RATE (MGD)					CONNECTED EDUS					AVERAGE UNIT INFLUENT FLOW RATE (GAL/EDU/DAY)							
	CSD	RSF	CSD	SB	DM	TOTAL PLANT	CSD	RSF	CSD	SB	DM	TOTAL PLANT	CSD EDUS	RSF EDUS	CSD	SB	DM	TOTAL EDUS	CSD	RSF	SB	DM	TOTAL PLANT
Dec-12	1.383	0.141	1.197			2.721	1.261	0.129	1.091			2.481	8,300	490	7,728			16,518	167	288	155		165
Jan-13	1.357	0.145	1.215			2.717	1.155	0.124	1.034			2.313	8,300	490	7,728			16,518	163	296	157		164
Feb-13	1.349	0.138	1.201			2.688	1.048	0.108	0.933			2.089	8,301	490	7,728			16,519	163	282	155		163
Mar-13	1.402	0.154	1.235			2.791	0.905	0.100	0.797			1.802	8,302	493	7,728			16,521	169	314	160		169
Apr-13	1.297	0.124	1.237			2.658	0.531	0.051	0.506			1.088	8,304	493	7,728			16,523	156	253	160		161
May-13	1.339	0.126	1.185			2.650	0.376	0.036	0.333			0.745	8,304	493	7,728			16,525	161	256	153		160
Jun-13	1.341	0.126	1.190			2.657	0.269	0.025	0.239			0.533	8,307	493	7,728			16,528	161	256	154		161
Jul-13	1.366	0.144	1.269			2.779	0.482	0.050	0.448			0.980	8,309	493	7,728			16,530	164	292	164		168
Aug-13	1.342	0.168	1.258			2.768	0.380	0.048	0.356			0.784	8,311	494	7,728			16,533	161	340	163		167
Sep-13	1.343	0.117	1.193			2.653	0.403	0.036	0.358			0.797	8,311	494	7,728			16,533	162	237	154		160
Oct-13	1.319	0.132	1.184			2.635	0.629	0.063	0.565			1.257	8,314	494	7,728			16,536	159	267	153		159
Nov-13	1.348	0.133	1.194			2.675	0.932	0.092	0.826			1.850	8,315	494	7,728			16,537	162	270	155		162
Dec-13	1.341	0.134	1.191			2.666	1.030	0.103	0.915			2.048	8,316	494	7,728			16,538	161	272	154		161
Jan-14	1.322	0.135	1.194			2.651	0.851	0.087	0.768			1.706	8,318	495	7,728			16,541	159	273	155		160
Feb-14	1.314	0.127	1.172			2.613	0.954	0.093	0.851			1.898	8,323	495	7,728			16,546	158	257	152		158
Mar-14	1.339	0.134	1.185			2.658	0.858	0.086	0.760			1.704	8,324	496	7,728			16,548	161	270	153		161
Apr-14	1.326	0.128	1.128			2.582	0.449	0.043	0.382			0.874	8,328	498	7,728			16,554	159	257	146		156
May-14	1.353	0.124	1.127			2.604	0.159	0.015	0.132			0.306	8,333	498	7,728			16,559	162	249	146		157
Jun-14	1.341	0.126	1.188			2.655	0.207	0.020	0.183			0.410	8,333	498	7,728			16,559	161	253	154		160
Jul-14	1.271	0.130	1.307			2.708	0.232	0.024	0.239			0.495	8,338	499	7,728			16,565	152	261	169		163
Aug-14	1.228	0.130	1.298			2.656	0.227	0.024	0.239			0.490	8,345	500	7,728			16,573	147	260	168		160
Sep-14	1.215	0.113	1.232			2.560	0.211	0.019	0.214			0.444	8,351	500	7,728			16,579	145	226	159		154
Oct-14	1.204	0.114	1.198			2.516	0.394	0.038	0.392			0.824	8,353	500	7,728			16,581	144	228	155		154
Nov-14	1.237	0.118	1.198			2.553	0.667	0.063	0.646			1.376	8,354	502	7,728			16,584	148	235	155		152
Dec-14	1.323	0.147	1.229			2.699	1.163	0.129	1.081			2.373	8,355	502	7,728			16,585	158	293	159		163
Jan-15	1.253	0.130	1.232			2.615	0.984	0.102	0.967			2.053	8,359	503	7,977			16,838	150	259	154		155
Feb-15	1.229	0.132	1.228			2.589	0.757	0.081	0.757			1.595	8,361	504	7,977			16,841	147	262	154		154
Mar-15	1.269	0.135	1.231			2.635	0.583	0.062	0.566			1.211	8,365	504	7,977			16,846	152	268	154		156
Apr-15	1.183	0.124	1.196			2.503	0.350	0.036	0.354			0.740	8,366	504	7,977			16,847	141	246	150		149
May-15	1.209	0.117	1.149			2.475	0.545	0.053	0.518			1.116	8,367	505	7,977			16,848	144	232	144		147
Jun-15	1.287	0.113	1.052			2.452	0.362	0.032	0.296			0.690	8,369	506	7,977			16,852	154	224	132		146
Jul-15	1.282	0.110	1.176			2.568	0.392	0.034	0.359			0.785	8,370	510	8,003			16,883	153	216	147		152
Aug-15	1.264	0.095	1.087			2.446	0.315	0.023	0.271			0.609	8,371	510	8,003			16,884	151	186	136		145
Sep-15	1.256	0.105	1.001			2.362	0.457	0.038	0.364			0.859	8,372	511	8,003			16,885	150	206	125		140
Oct-15	1.243	0.106	1.002			2.351	0.681	0.058	0.549			1.288	8,373	511	8,003			16,886	148	208	125		139
Nov-15	1.250	0.100	0.994			2.344	0.792	0.063	0.630			1.485	8,376	511	8,003			16,889	149	196	124		139
Dec-15	1.266	0.107	1.016			2.389	0.971	0.082	0.780			1.833	8,377	511	8,003			16,891	151	210	127		141
Jan-16	1.342	0.131	1.037			2.510	1.189	0.116	0.918			2.223	8,380	511	8,003			16,894	160	257	130		149
Feb-16	1.245	0.112	1.008			2.365	0.780	0.070	0.631			1.481	8,383	512	8,003			16,897	149	219	126		140
Mar-16	1.267	0.116	1.023			2.406	0.763	0.070	0.616			1.449	8,388	512	8,003			16,903	151	227	128		142
Apr-16	1.240	0.102	0.990			2.332	0.675	0.055	0.539			1.269	8,389	512	8,003			16,904	148	199	124		138
May-16	1.238	0.117	1.002			2.357	0.505	0.048	0.409			0.962	8,389	512	8,003			16,904	148	229	125		139
Jun-16	1.205	0.111	1.055			2.371	0.362	0.033	0.317			0.712	8,390	514	8,003			16,907	144	216	132		140
Jul-16	1.336	0.105	1.008			2.449	0.586	0.046	0.442			1.074	8,392	514	8,020			16,926	159	204	126		145
Aug-16	1.317	0.107	1.007			2.431	0.647	0.053	0.495			1.195	8,393	516	8,020			16,929	157	207	126		144
Sep-16	1.311	0.110	0.975			2.396	0.601	0.050	0.447			1.098	8,394	516	8,020			16,930	156	213	122		142
Oct-16	1.289	0.108	0.962			2.359	0.521	0.043	0.389			0.953	8,397	517	8,020			16,933	154	209	120		139
Nov-16	1.323	0.113	0.932			2.368	0.730	0.062	0.514			1.306	8,403	517	8,020			16,940	157	219	116		140
Dec-16	1.419	0.150	0.998			2.567	1.179	0.125	0.829			2.133	8,406	549	8,020			16,975	169	273	124		151
Jan-17	1.572	0.197	1.125	0.047		2.941	1.489	0.186	1.066	0.045		2.786	8,409	549	8,020	1,716		18,694	187	359	140	142	157
Feb-17	1.361	0.211	1.240	0.000		2.812	1.236	0.192	1.126	0.000		2.554	8,409	549	8,020	1,716		18,694	162	384	155	0	166
Mar-17	1.215	0.170	1.261	0.000		2.646	0.856	0.120	0.889	0.000		1.865	8,413	550	8,020	1,716		18,698	144	309	157	0	156
Apr-17	1.077	0.139	1.190	0.000		2.406	0.841	0.108	0.929	0.000		1.878	8,414	551	8,020	1,716		18,700	128	252	148	0	142
May-17	1.082	0.136	1.184	0.000		2.402	0.842	0.106	0.922	0.000		1.870	8,416	551	8,049	1,716		18,732	129	247	147	0	141
Jun-17	1.241	0.134	1.032	0.000		2.407	0.980	0.106	0.815	0.000		1.901	8,420	551	8,049	1,716		18,737	147	243	128	0	141
Jul-17	1.267	0.130	1.083	0.000		2.480	0.802	0.082	0.685	0.000		1.569	8,421	551	8,061	1,716		18,749	150	236	134	0	146
Aug-17	1.262	0.139	1.051	0.000		2.452	0.852	0.094	0.709	0.000		1.655	8,423	553	8,061	1,716		18,753	150	251	130	0	144
Sep-17	1.264	0.130	1.006	0.000		2.400	0.866	0.089	0.689	0.000		1.644	8,427	555	8,061	1,716		18,759	150	234	125	0	141
Oct-17	1.242	0.123	0.977	0.000		2.342	0.543	0.053	0.427	0.000		1.023	8,431	555	8,061	1,716		18,763	147	222	121	0	137
Nov-17	1.257	0.131	0.983	0.000		2.371	0.661	0.069	0.517	0.000		1.247	8,431	554	8,061	1,716		18,762	149	237	122	0	139
Dec-17	1.248	0.125	1.014	0.000		2.387	0.693	0.070	0.563	0.000		1.326	8,431	554	8,061	1,716		18,762	148	226			

Figure 3 (below) presents the 5-year historical average daily flows per month for each Member Agency. This is to provide a historical overview of the average treated flow by each agency. Also shown in Figure 3 is the total wastewater treatment capacity of the plant, 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.



City of Escondido Flows

The average and peak flow rate for the month of January 2018 from the City of Escondido's Hale Avenue Resource Recovery Facility, which discharges through the San Elijo Ocean Outfall, is reported below.

	Flow (mgd)
Escondido (Average flow rate)	9.91
Escondido (Peak flow rate)	17.9

Connected Equivalent Dwelling Units

The City of Solana Beach updated the connected EDUs number that is reported to the SEJPA in July 2017. The City of Encinitas and Rancho Santa Fe CSD report their connected EDUs every month. The City of Del Mar reported their connected EDUs in March 2017; however, flows have been diverted to the San Diego Metro JPA due to high salinity which is currently being resolved. The number of EDUs connected for each of the Member Agencies is as follows:

	Connected (EDU)
Cardiff Sanitary Division	8,435
Rancho Santa Fe SID	555
City of Solana Beach	7,724
San Diego (to Solana Beach)	337
City of Del Mar	1,716
Total EDUs to System	18,767

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

March 12, 2018

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: SAN ELIJO WATER RECLAMATION PROGRAM – MONTHLY REPORT

RECOMMENDATION

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

DISCUSSION

Recycled Water Production

For the month of January 2018, recycled water demand was 55.3 acre-feet (AF), which was met using 55.3 AF of recycled water and 0.0 AF of supplementation with potable water.

Recycled Water demand for January was the third highest on record for the SEJPA. Typical January demand is approximately 44.0 AF. Warm, dry weather was the driving factor to the above normal water demands; and new customer sites have been connected during this last year.

Figure 1 (attached) provides monthly demands for recycled water since deliveries began in September 2000. Figure 2 (attached) provides a graphical view of annual recycled water demand spanning the last 17 fiscal years. Figure 3 (attached) shows the monthly recycled water demand for each January since the program began. Figure 4 (attached) compares budget versus actual recycled water sales for FY 2017-18; currently sales are trending above budget.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

Figure 1 - MONTHLY RECYCLED WATER DEMAND

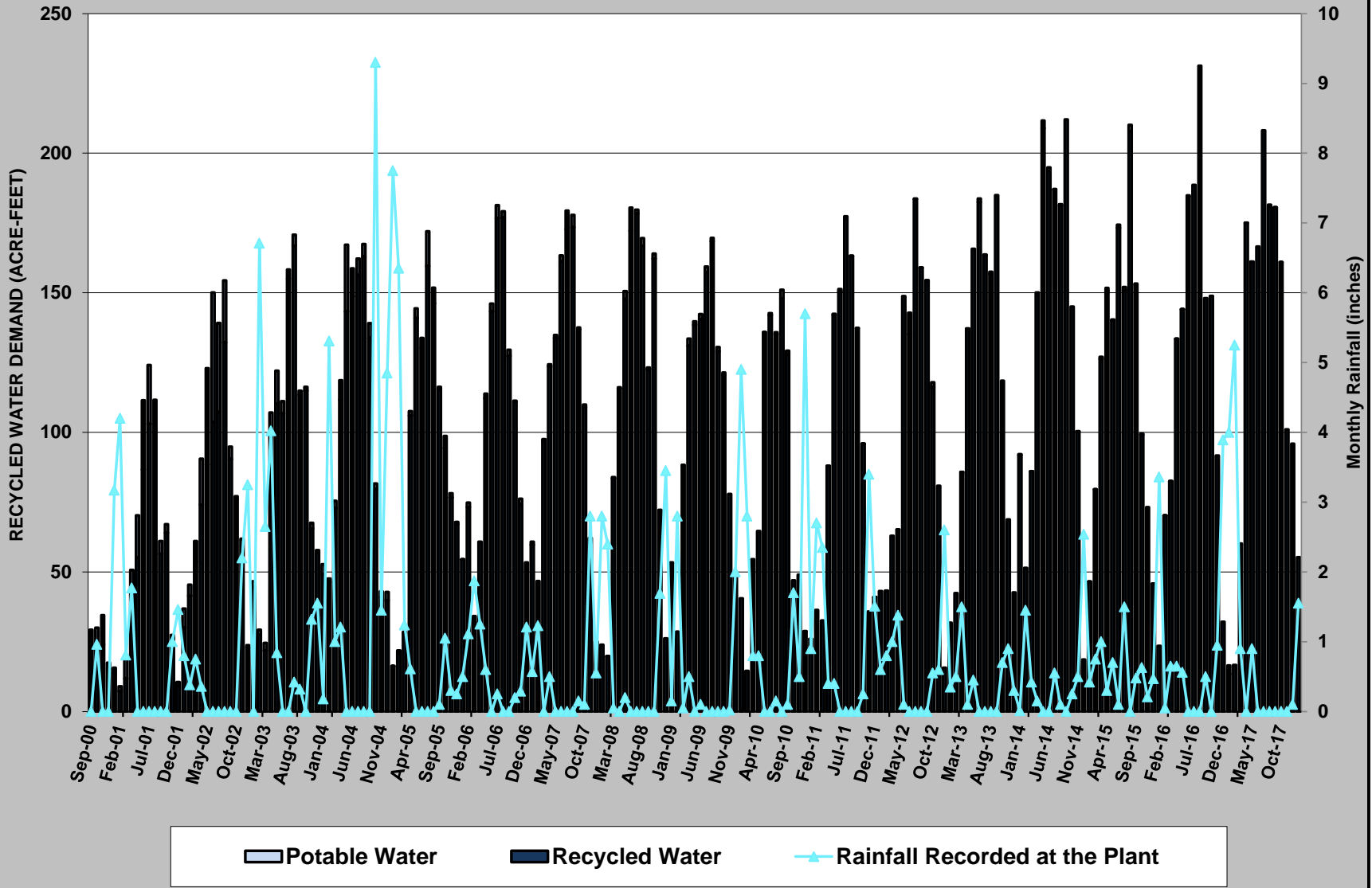


Figure 2 - RECYCLED WATER DEMAND by FISCAL YEAR

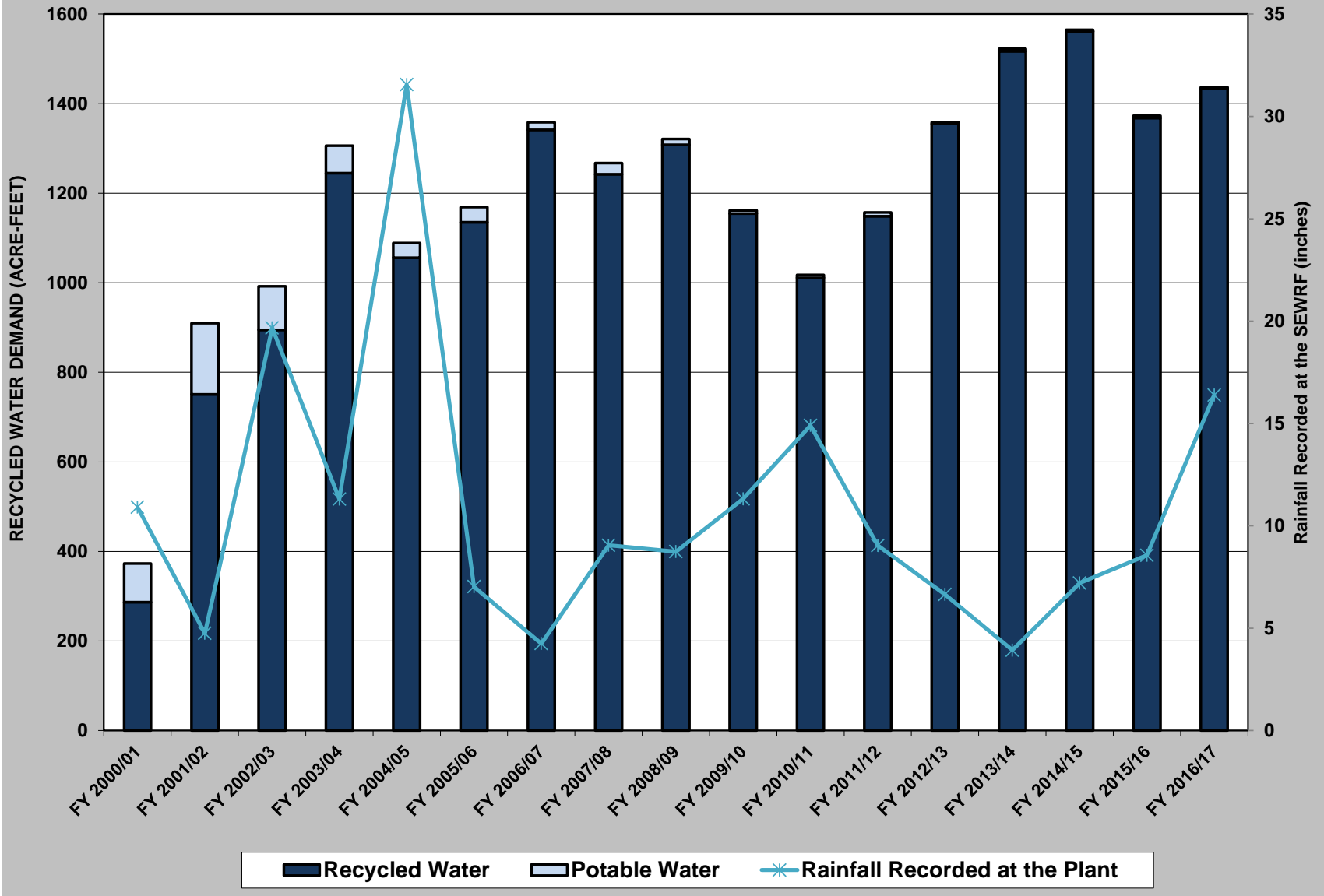


Figure 3 - JANUARY RECYCLED WATER DEMAND

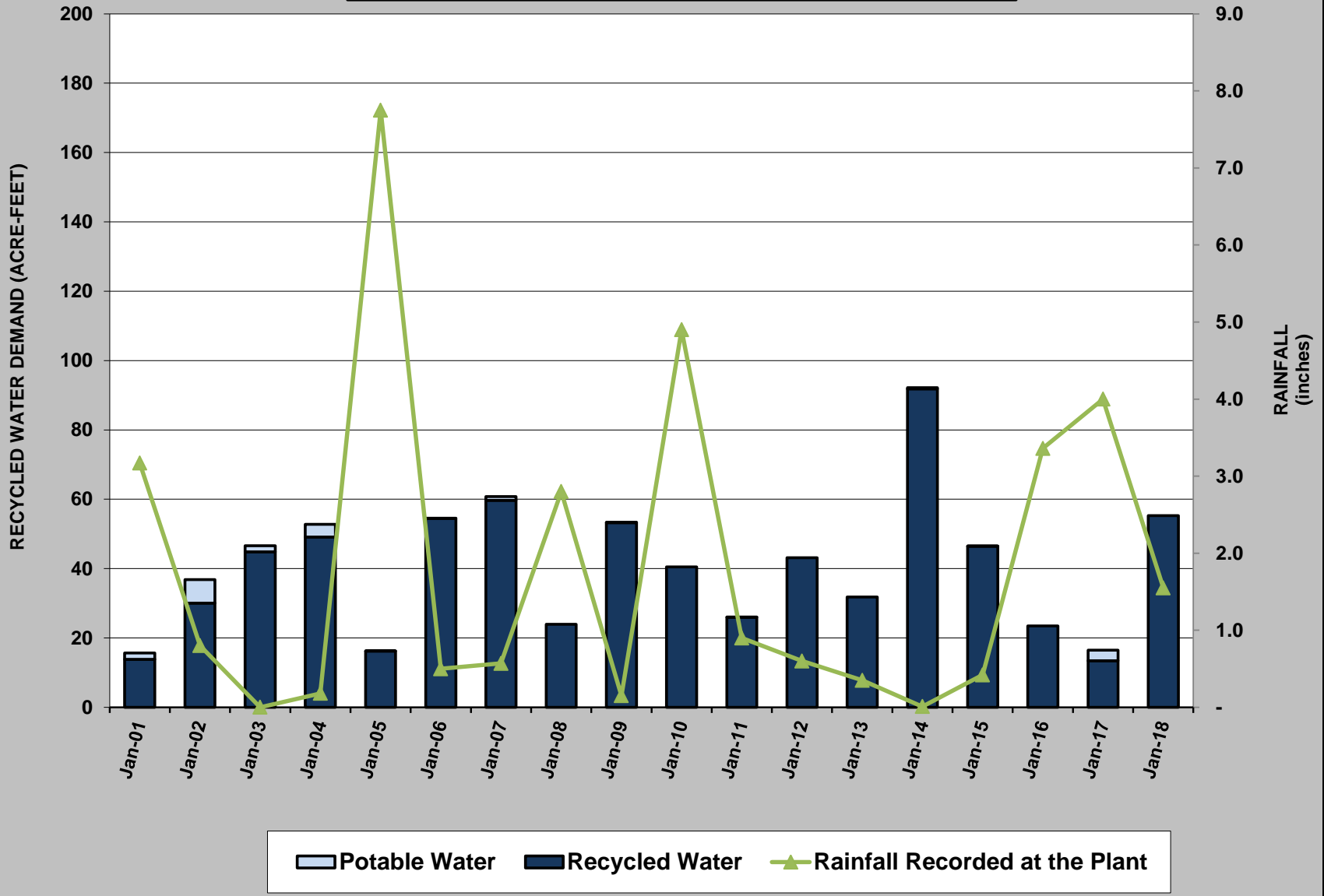
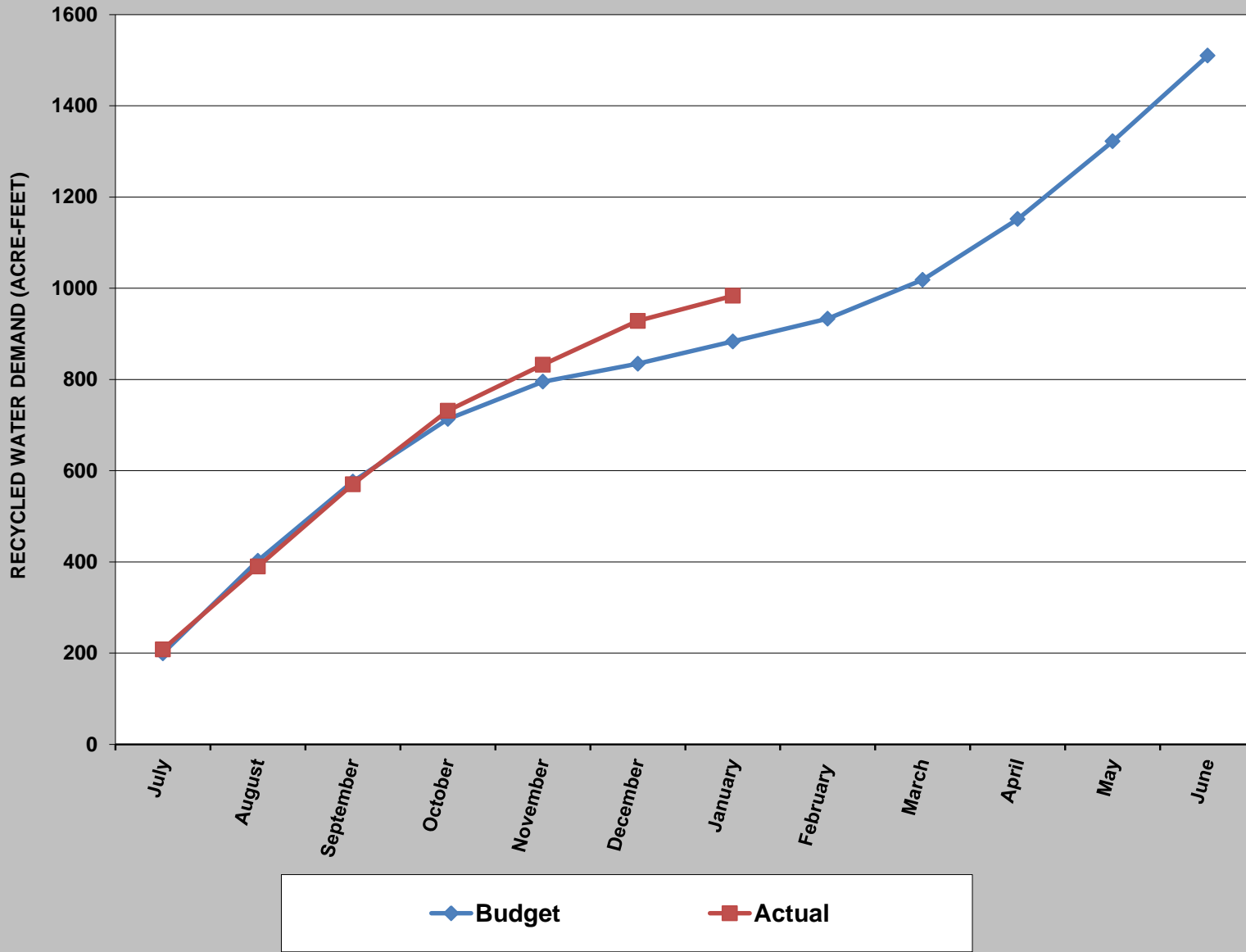


Figure 4 - RECYCLED WATER DEMAND BUDGET vs ACTUAL



SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

March 12, 2018

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: CAPITAL IMPROVEMENT PROGRAM UPDATE

RECOMMENDATION

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

BACKGROUND

The San Elijo Joint Powers Authority (SEJPA) has a responsibility to maintain permit compliance with regulatory agencies and legal agreements with customers to provide wastewater and recycled water services. Proactive asset management and capital improvement planning are key components in keeping these commitments.

In 2014, SEJPA retained the services of Carollo Engineers to conduct an evaluation of the wastewater and recycled water capital assets owned by the SEJPA at the San Elijo Water Reclamation Facility.

The results of the evaluation and Carollo's recommendations were documented in the 2015 Facility Plan. Recommended projects were prioritized using a "triple-bottom line" approach to evaluate and weight each project against the others using three main factors:

- Financial (30%): Implement cost effective projects and solutions. Maximize economic benefits for customers through cost-effective operations.
- Environmental (35%): Meet or exceed permit requirements and minimize reportable violations. Improve habitat and minimize impacts to the environment.
- Social (35%): Maintain a high standard of work safety and maximize community benefits through improved aesthetics and recreational uses.

The recommendations from the 2015 Facility Plan created the foundation for the SEJPA Capital Improvement Program, which includes regulatory compliance analysis, risk assessment for system failure, project prioritization, and budgetary cost estimates.

In 2017, the SEJPA successfully secured \$23.9 million in a bond offering to fund the completion of the majority of recommended capital projects. Staff bundled the projects into four phases in

order to prioritize capital spending, streamline project delivery, minimize community impacts, and reduce cost through economies of scale.

DISCUSSION

Phase I of the SEJPA Capital Improvement Program is currently in construction and includes the Land Outfall Replacement, Preliminary Treatment Upgrades, and Odor Control Improvements.

- The Land Outfall Replacement project will replace the existing 30-inch diameter asbestos-concrete land outfall pipeline that was installed in 1965. The new pipeline will have an installation length of approximately 2,600 linear feet, will be made of high density polyethylene (HDPE), and will be installed at a greater depth than the original pipeline to minimize conflicts with other buried utilities and future construction projects.
- The Preliminary Treatment and Odor Control projects have been combined into one construction contract. This project will replace or improve existing treatment equipment and tanks associated with the initial treatment process (referred to as Preliminary Treatment) at the San Elijo Water Reclamation Facility. In addition, improvements will be made to the odor control system that services this area of the facility.

The Phase I project construction budget was originally estimated at \$13.7 million. However, the actual project costs were higher than anticipated, likely due to increased activity in the public works construction sector. The revised Phase I budget is \$14.2 million (a 3.6% increase). Both projects are currently tracking to this revised budget and are scheduled to be completed in 2018.

Phase II is currently in the design and permitting stage, and consists primarily of a bundle of projects referred to as the Building and Site Improvements Program, which includes the following:

- New buildings
- Road and parking improvements
- Fire system modernization
- Solar power generation
- Storm water conveyance, attenuation, and treatment improvements
- New perimeter security fencing
- Potential regional bike/pedestrian path and traffic calming roundabout on Manchester Avenue in cooperation with Caltrans and the City of Encinitas

Caltrans has indicated that due to budget constraints, the bike/pedestrian path and roundabout elements will be substantially reduced or potentially eliminated from the project. If this occurs, it will have budgetary impacts to the overall Building and Site Improvement Program as cost savings were being achieved through the combining of the projects. Impacts associated with these proposed changes are being evaluated.

Phase II also includes Integrated Regional Water Management (IRWM) recycled water pipelines, electrical upgrades to power distribution system MS-2, and hardware and software improvements to the Supervisory Control and Data Acquisition (SCADA) system.

The IRWM recycled water pipelines are in final design, and the project will be ready for public bidding in spring 2018, with a likely construction duration of 10 to 12 months.

The electrical and SCADA upgrades are entering the design phase, and detailed construction schedules have not yet been developed. In order to maximize potential project synergies and minimize costs, staff is considering consolidation of the electrical and SCADA projects into the Building and Site Improvements Program.

Phase III, the Solids Treatment Project, is in the pre-design phase. A Project Definition Report (PDR) is currently in development to provide an evaluation of the design alternatives and a preferred build scenario for final design. Design is expected to be complete by the fourth quarter of 2019, with bidding and construction beginning first quarter of 2020.

Phase IV consists of Resource Recovery and Reuse projects including water storage, process optimization, and energy efficiency projects. This phase is currently in early stages of research and development.

FINANCIAL IMPACT

There is no overall financial impact associated with this staff report. The Phase I project budget was updated from \$13.7M to \$14.2M to reflect the anticipated costs for the Preliminary Treatment Upgrades project. In addition, Caltrans has proposed substantial changes to the transportation elements included in the Building and Site Improvement Program, which will impact budget and schedule. The extent of these impacts is currently being evaluated.

Budget and funding adjustments will be made as required as these capital projects are developed and awarded. Revenue from the sale of the 2017 Clean Water Bonds and grant funding, combined with current and future cash contributions for capital projects, is the financial basis for the SEJPA Capital Improvement Program.

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

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

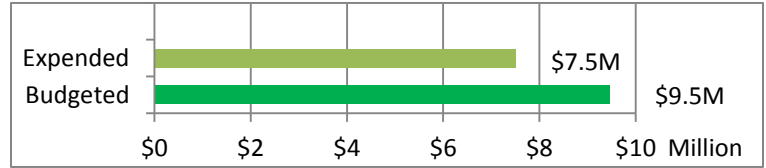
Attachments: Capital Project Status Reports



Land Outfall Replacement Project



Capital Program: Phase I
Project Status: Construction
Notice to Proceed: May 2017
Est. Completion Date: April 2018



Timeline

Construction Start
 May 2017

Est. Completion
 April 2018

Budget	Budgeted*	Expended	Remaining	% Expended
Construction	\$ 8,394,918	\$ 7,093,523	\$ 1,301,395	84%
CM/Engineering/Enviro	759,160	420,953	338,207	55%
Contingency	300,000	0	300,000	0%
Total:	\$ 9,454,078	\$ 7,514,476	\$ 1,939,602	79%

* Estimate to complete as of March 6, 2018

Project Description

The work includes installation of (approximate lengths) 2,600 feet of 30-inch diameter HDPE pipe via horizontal directional drilling (HDD), 400 feet of 30-inch pipe via open trench construction, 300 feet of dual 10-inch force mains via open trench construction, and 110 feet of 60-inch steel casing under Coast Highway. The HDD will begin at Cardiff State Beach, continue beneath Coast Highway (through the steel casing), the San Elijo Lagoon, NCTD railroad, the Nature Center, and Manchester Avenue before daylighting at the San Elijo Water Reclamation Facility (SEWRF). Once HDD is complete, tie-ins will be made at the beach and at the SEWRF. Project work sites will be restored after final tie-ins are complete.

Work Completed: November 2017 – February 2018

Ongoing environmental surveys and coordination with the City, County, and Lagoon Restoration and NCC projects. Met with City of Escondido to coordinate shutdown/tie-in work. Obtained RWQCB approval for dewatering. Continued open trench construction across Manchester Avenue for pipeline installations. Installed, tested, and commissioned the new Cardiff sewer forcemain. Completed drilling operation including pilot bore, reaming, and swabbing. Performed fusing, staging, and quality testing of new 30-inch HDPE pipeline to ensure readiness for installation. Pulled the new land outfall pipeline from the SEWRF to Cardiff State Beach. Demobilized drilling operation. Installed dewatering wells, shoring system, and began excavation to expose existing outfall for bypass and tie-in beneath beach worksite.

Planned Work: March 2018

Complete beach excavation and install bypass system on existing outfall. Continue trenching in Manchester Avenue for installation of 30-inch HDPE pipeline for tie-in to Escondido regulator vault. Perform two shutdowns and tie-in work to connect new pipeline to existing Escondido and SEJPA outfall systems. Restore roadways and project work sites.

Priorities or Issues to be Resolved

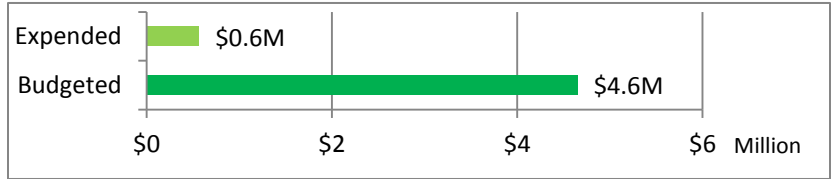
Shutdown, tie-in, and test new outfall system. Negotiate Change Orders. Due to unforeseen conditions, work is anticipated to continue through mid-April and may require additional inspection time.



Preliminary Treatment & Odor Control Upgrades



Capital Program: Phase I
Project Status: Construction
Notice to Proceed: June 2017
Est. Completion Date: October 2018



Timeline

Construction Start
 June 2017

Est. Completion
 Oct 2018



Budget	Budgeted	Expended	Remaining	% Expended
Construction:	\$ 3,871,480	\$311,957	\$ 3,559,523	8%
CM/Engineering/Enviro:	582,137	254,548	327,589	44%
Contingency:	193,570	0	193,570	0%
Total:	\$ 4,647,187	\$ 566,505	\$ 4,080,682	12%

Project Description

The project consists of the construction of new concrete treatment structures, installation of new screening and dewatering equipment, rehabilitation of existing concrete channels and structures, and replacement of aging chemical storage tanks. The work also includes the replacement of aging mechanical, electrical, and other components associated with treatment odor control systems necessary to capture and remove odors and corrosive gases.

Work Completed: November 2017 - February 2018

Excavated to bottom of planned headworks subgrade. Completed identification and relocation of subgrade electrical and mechanical utilities in conflict with new work. Prepared site for miscellaneous minor concrete placement. Installed new stainless steel aeration line. Received project materials including stainless steel air piping, chemical tanks, chemical feed assembly, stop logs, and electric actuators. Negotiated change orders for approximately \$35,000 for unforeseen underground utility conflicts and subgrade improvements beneath new headworks structure, and owner-requested material upgrades.

Planned Work: March 2018

Complete additional headworks subgrade preparation. Install headworks forms and rebar. Receive reinforcing steel for headworks structures. Receive and review bypass plan. Start excavation for new forcemains at the west side of the plant. Receive water control gates. Start chemical area improvements and relocation. Release fiberglass pipe and instrumentation panels for fabrication.

Priorities or Issues to be Resolved

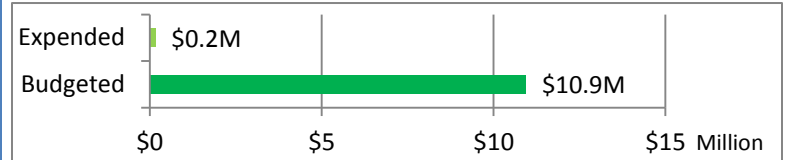
Work closely with contractor to ensure critical path equipment fabrication and delivery remains on schedule. Resolve geotechnical issues due to high ground water and over saturated soil with subgrade improvements. Continue tracking project costs: behind schedule due to long equipment lead times.



Building and Site Improvements



Capital Program: Phase II
Project Status: Design/Permitting
Design Start: March 2017
Est. Design Completion: September 2018
Est. Construction Completion: May 2020



Timeline

Design Start Mar 2017 **Final Design** Dec 2018 **Construction Start** April 2019 **Est. Completion** October 2020



Budget	Budgeted	Expended	Remaining	% Expended
Building Program:	\$7,690,000	\$182,974	\$7,507,026	2%
Site Improvements:	3,050,000	21,000	3,029,000	1%
Solar (PPA):	200,000	0	200,000	0%
Total:	\$10,940,000	\$203,974	\$10,736,026	2%

Project Description

Work consists of replacing aging administration, operations, and maintenance buildings; enhancing safety, security and public interface, improving storm water capture and treatment, and modernization of fire fighting and suppression system. Solar power, energy efficiency, and other Climate Action Plan measures will be incorporated. Community benefits may include public parking, regional bicycle/pedestrian path, and traffic calming roundabout. Opportunities for interactive learning, community benefits, and education will be integrated into the site design.

Work Completed: November 2017 – February 2018

Received permit review comments from City of Encinitas. Met with City staff concerning bike path/roundabout design and site constraints. Ongoing design work in preparation for resubmittal. Continued coordination with Caltrans on bike path/roundabout design and cost sharing agreement. Identifying potential land acquisitions and easement modifications for transportation elements. Reviewed environmental issues and developed scope of work for required document revisions.

Planned Work: March 2018

Clarify Caltrans intent to participate in transportation elements (bike path/roundabout). Incorporate City permit review comments on building and site improvements and resubmit. Update environmental documents. Pursue easement modifications. Define solar power project. Identify and map existing utilities in the proposed construction area. Continue mechanical and electrical system design work. Ongoing discussions with the City and Caltrans.

Priorities or Issues to be Resolved

Caltrans indicated a redesign or potential deletion of transportation elements. Resubmit design package to the City. Prepare CEQA MND updates. Resolve open space easement conflicts at SEWRF.



IRWM Recycled Water Pipelines



Capital Program: Phase II
Project Status: Design/Permitting
Design Start: June 2016
Est. Design Completion: January 2018
Est. Construction Completion: May 2019



Timeline

Design/Permitting Start June 2016 **Final Design** March 2018 **Construction Award** June 2018 **Est. Completion** May 2019

Budget	Budgeted	Expended	Remaining	% Expended
Recycled Water Pipeline Project	2,125,000	\$243,969	1,881,031	11%
Contingency (20%):	425,000	0	425,000	0%
IRWM Grant funds:	(525,000)	0	(525,000)	--
Cost Share (Booster Pump Station):	(150,000)	0	(150,000)	--
PROJECT TOTAL:	\$1,875,000	\$243,969	\$1,631,031	13%

Project Description

The work consists of the design of a booster pump station and recycled water pipeline extension. The 1.5 mile small diameter (4-inch to 6-inch) pipeline will serve the community of Encinitas Ranch, two agricultural users, and the City of Encinitas trail system. The project is a key component of the SEJPA's \$2.5M Integrated Regional Water Management (IRWM) grant. The project is anticipated to offset 45 acre-feet per year of potable water use for landscape irrigation or approximately 50% of the total IRWM project potable water offset.

Work Completed: November 2017 – February 2018

Ongoing design work to incorporate 75% and 90% design review comments. Completed City of Encinitas Citizen Participation Program (CPP) public noticing requirements. Made final revisions to Booster Pump Station design. Finalized easements documents for distribution to stakeholders.

Planned Work: March 2018

Meet with City staff and incorporate any final comments for Coastal Development Permit into design. Finalize easement agreements for booster pump station and pipeline. Review 100% contract documents in preparation for advertisement in April.

Priorities or Issues to be Resolved

Obtain Coastal Development Permit from the City and easement for booster pump station from the Encinitas Ranch Golf Authority.