

AGENDA
SAN ELIJO JOINT POWERS AUTHORITY
MONDAY MAY 9, 2016 AT 9:00 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

None
6. * **CONSENT CALENDAR**
7. * APPROVAL OF MINUTES FOR THE APRIL 11, 2016 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. * SAN ELIJO JOINT POWERS AUTHORITY FISCAL YEAR 2016-17 RECOMMENDED BUDGET UPDATE
12. * 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

13. **ADOPT THE PROPOSED MITIGATED NEGATIVE DECLARATION FOR RECYCLED WATER SYSTEM IMPROVEMENTS**

1. Adopt the Proposed Mitigated Negative Declaration for Recycled Water System Improvements; and
2. Discuss and take action as appropriate.

Staff Reference: General Manager

14. **ENCINITAS RANCH RECYCLED WATER EXPANSION PROJECT**

1. Approve project concept;
2. Direct Staff to obtain engineering proposals to complete the project design and obtain permits; and
3. Discuss and take action as appropriate.

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**

The Board will adjourn to Closed Session to discuss item(s) identified below. Closed Session is not open to the public; however, an opportunity will be provided at this time if members of the public would like to comment on any item listed below. (Three minute limit.) 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".

Pursuant to Government Code Section 54957.6: Conference with Labor Negotiator; Agency Negotiator: Michael T. Thornton, General Manager; Unrepresented Employees: All Non-Contract Employees.

Pursuant to Government Code Section 54956.8: Real Property Negotiations; Agency Negotiator: Michael T. Thornton, General Manager; Location: Rancho Santa Fe Community Services District.

Pursuant to Government Code Section 54956.8: Real Property Negotiations; Agency Negotiator: Michael T. Thornton, General Manager; Location: Encinitas Ranch Community, Encinitas Ranch Golf Authority, City of Encinitas.

Pursuant to Government Code Section 54956.9(d)(2): Potential Litigation with North County Transit District; Agency Negotiator: Michael T. Thornton, General Manager.

19. ADJOURNMENT

The next regularly scheduled San Elijo Joint Powers Authority Board Meeting will be Monday, June 13, 2016 at 9:00 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: May 4, 2016



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

SAN ELIJO JOINT POWERS AUTHORITY
MINUTES OF THE BOARD MEETING
HELD ON APRIL 11, 2016
AT THE
SAN ELIJO WATER RECLAMATION FACILITY

Catherine Blakespear, Chair

Ginger Marshall, Vice Chair

A meeting of the Board of Directors of the San Elijo Joint Powers Authority (SEJPA) was held Monday, April 11, 2016, at 9:00 a.m., at the San Elijo Water Reclamation Facility at 2695 Manchester Avenue, Cardiff by the Sea, California.

1. CALL TO ORDER

Vice Chair Marshall called the meeting to order at 9:00 a.m. Chair Blakespear arrived at 9:02 a.m. and presided over the meeting.

2. ROLL CALL

Directors Present:

Catherine S. Blakespear
Ginger Marshall
Mark Muir
David Zito

Directors Absent:

None

Others Present:

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

Michael Thornton
Christopher Trees
Paul Kinkel
Jennifer Basco
Carrie Cook

SEJPA Counsel:

Procopio, Cory, Hargreaves & Savitch

Tracie E. Stender

City of Solana Beach:

City Manager
Director of Engineering/Public Works

Greg Wade
Mohammad "Mo" Sammak

City of Encinitas:

Director of Engineering and Public Works
Public Works Management Analyst

Glenn Pruiam
Bill Wilson

Encina Wastewater Authority:

General Manager

Michael F. Steinlicht

San Dieguito Water District:
General Manager

Bill O'Donnell

Santa Fe Irrigation District:
General Manager

Michael Bardin

Dudek

Andrew Talbert

Trussell Technologies

Shane Trussell, Ph.D

3. PLEDGE OF ALLEGIANCE

Chair Blakespear led the Pledge of Allegiance.

4. ORAL COMMUNICATIONS

None

5. PRESENTATION OF AWARDS

General Manager Thornton recognized Carrie Cook, Accounting Technician, for her 10 years of service to the Agency. Mr. Thornton also announced to the Board of Directors that the SEJPA received the Recycled Water Agency of the Year Award – Medium Size, from WateReuse California. This award recognizes the SEJPA for its demonstrated leadership, creativity, and persistence in developing recycled water as a valuable local water supply.

6. CONSENT CALENDAR

Moved by Board Member Muir and seconded by Board Member Zito to approve the Consent Calendar.

Motion carried with unanimous vote of approval.

Agenda Item No. 7	Approval of Minutes for the March 7, 2016 meeting
Agenda Item No. 8	Approval for Payment of Warrants and Monthly Investment Report
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

11. ITEMS REMOVED FROM CONSENT CALENDAR

None

12. POTABLE REUSE CONCEPT STUDY WITH SANTA FE IRRIGATION DISTRICT AND SAN DIEGUITO WATER DISTRICT

General Manager Thornton stated that due to droughts and other events that strain California's existing water supplies, water districts are investigating the feasibility of potable reuse projects that can create high quality, locally produced water. The SEJPA, in partnership with Santa Fe Irrigation District (SFID) and San Dieguito Water District (SDWD), participated in a Potable Reuse Feasibility Study, prepared by Trussell Technologies. General Manager Thornton introduced Shane Trussell, Ph.D., who presented a brief history of potable reuse in California, and explained the results of the feasibility study. The primary conclusion of the feasibility study is that a potable reuse project utilizing surface water augmentation could be permitted with the Division of Drinking Water. A near-term project could produce enough drought-proof water to satisfy approximately 6 percent of SFID's potable water demands and 9 percent of SDWD's potable water demands. The ultimate project could satisfy approximately 22 percent of SFID's demands and 35 percent of SDWD's demands. The cost of potable reuse water is estimated to range between \$1,500 and \$2,000 per acre-foot. Although significant challenges associated with developing a potable reuse project were identified, SEJPA, SFID, and SDWD have a long track record in partnering to develop large-scale projects.

The General Manager recommended the establishment of a Project Management Team (PMT) to support the development of a potable reuse project. The PMT would consist of staff along with engineering, finance/grant, operations, public outreach, and water resource consultants that have experience in potable reuse and/or water supply development projects. A proposed work plan and budget for the establishment of the PMT will be brought to each agency's Board for approval at a later date.

Moved by Board Member Muir and seconded by Board Member Zito to:

1. Receive and file the report; and
2. Authorize staff to proceed with the formation of a Potable Reuse Project Management Team.

Motion carried with unanimous vote of approval.

13. PRESENTATION OF THE SAN ELIJO JOINT POWERS AUTHORITY FISCAL YEAR 2016-17 RECOMMENDED BUDGET

Paul F. Kinkel, Director of Finance and Administration, presented the Fiscal Year (FY) 2016-17 Recommended Budget to the Board of Directors. The budget estimates all expenditures necessary, including capital costs and debt services, to provide wastewater treatment, waste disposal, recycled water, laboratory, ocean outfall, and pump station services. The total FY 2016-17 Recommended Budget is \$10,161,009 consisting of \$6,029,313 of Operating Costs, \$2,472,696 of Debt Service and \$1,659,000 of Capital Costs. The proposed operating budget for all programs will increase by \$343,162, primarily due to higher variable costs related to treating wastewater from the City of Del Mar (which is scheduled to begin July 2016), and anticipated cost increases related to pursuing water reuse and other recycled water projects, increased biosolids disposal, legal (capital projects and Caltrans), and chemical and electrical use increase. Mr. Kinkel

stated that the SEJPA receives revenues from seven primary sources, with the three largest customers being the City of Encinitas, the City of Solana Beach, and the Recycled Water Program, which are expected to provide \$2,917,416, \$2,754,979, and \$2,821,001, respectively.

It was recommended that the Board of Directors take the Recommended Budget to their respective Councils for further discussion and support. The budget will then be discussed at the next scheduled Board meeting.

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

14. CONSIDERATION FOR WASTEWATER SERVICE AGREEMENT EXTENSION WITH THE RANCHO SANTA FE COMMUNITY SERVICES DISTRICT

General Manager Thornton stated that the SEJPA has been providing wastewater treatment and disposal services to Rancho Santa Fe Community Services District (RSFCSD) since 1981. In 1991, the SEJPA and RSFCSD entered into a long term agreement that provides 0.25 MGD of leased wastewater treatment and ocean disposal capacity to RSFCSD. As part of this agreement, RSFCSD is responsible to pay its allocated operational costs and its portion of the 1991 capital upgrade project bond costs, both with a 33 percent premium, and capital costs required to maintain and upgrade the wastewater and ocean outfall systems. The agreement expires in March 2020, and RSFCSD has expressed interest in replacing the agreement with a new 20 year agreement. Staff has been working with RSFCSD to prepare the new lease agreement. The most significant change between the existing and the proposed agreements is the elimination of the 33 percent premium. The General Manager stated that eliminating the premium is consistent with other SEJPA wastewater and recycled water agreements, where only actual costs incurred are included in the determination of the cost of service provided by the SEJPA.

Moved by Chair Marshall and seconded by Board Member Muir to:

1. Discuss, in closed session at the next Board meeting, extending the wastewater services agreement between the SEJPA and RSFCSD.

Motion carried with unanimous vote of approval.

15. ADOPT THE PROPOSED MITIGATED NEGATIVE DECLARATION FOR THE SAN ELIJO LAND OUTFALL REPLACEMENT PROJECT

General Manager Thornton informed the Board of Directors that the SEJPA retained Dudek to prepare the California Environmental Quality Act (CEQA) reporting requirements for the proposed San Elijo Water Reclamation Facility Upgrades, which are focused on wastewater and ocean outfall improvements. Dudek recommended that a Mitigated Negative Declaration (MND) is the appropriate environmental document for project compliance with CEQA. Mr. Thornton stated that the MND was distributed for a 30-day public review period. One MND comment letter was received from the California Department of Transportation. Responses to the comment letter were included in the final MND, and no substantive comments were received that changed the determination

of the impacts or mitigation measures. Adoption of the proposed MND will complete the review process required by CEQA.

Moved by Board Member Muir and seconded by Vice Chair Marshall to:

1. Adopt the Proposed Mitigated Negative Declaration for the San Elijo Water Reclamation Facility Upgrades.

Motion carried with unanimous vote of approval.

16. BUILDING IMPROVEMENT PROGRAM UPDATE

General Manager Thornton stated that, as documented in the SEJPA 2015 Facility Plan prepared by Carollo Engineers, the SEJPA Administration and Operations Buildings do not meet all current code, accessibility, safety, and operational requirements. In response to these findings, the SEJPA initiated a Building Improvement Program, which included a Building Needs Assessment. Building options were presented to the Board of Directors in September and December 2015. Based on direction provided by the Board of Directors at those meetings, the original building options were refined. Mr. Thornton presented the three revised building options to the Board of Directors for consideration:

Alternative 1: One Building – Construct an 11,000 square foot (sf) building located near the SEWRF site entrance, allowing all staff to work within a single building.

Alternative 2: Two Buildings – Construct a new 6,000 sf building located near the SEWRF site entrance and renovate existing 6,500 sf Operations building.

Alternative 3: Encina/SEJPA Consolidation – Provides for SEJPA and Encina space sharing as part of a path to agency consolidation. This alternative includes the construction of 6,000 sf building near SEWRF site entrance and tenant improvement of approximately 1,500 sf of office space at Encina.

All three options meet immediate Agency needs, eliminate current deficiencies, and provide flexibility for future expansion.

Moved by Board Member Muir and seconded by Vice Chair Marshall to:

1. Pursue Alternative 3: Encina/SEJPA Consolidation.

Motion did not carry, with the following votes:

AYES: Muir, Marshall
NOES: Blakespear, Zito
ABSENT: None
ABSTAIN: None

General Manager Thornton then suggested drafting a white paper to determine the feasibility and benefits of an Encina/SEJPA Consolidation, as well as scheduling a

workshop with the Encina and SEJPA Board of Directors to ensure an understanding regarding possible consolidation. Mr. Thornton will prepare a white paper and present it to the Board of Directors in the next 60 days.

17. GENERAL MANAGER'S REPORT

None

18. GENERAL COUNSEL'S REPORT

Tracie Stender informed the Board of Directors that the SEJPA's appeal regarding CalPERS' determination that uniforms should be reported as special compensation is stagnant. Ms. Stender will keep the Board of Directors updated with any new developments.

19. BOARD MEMBER COMMENTS

None

20. CLOSED SESSION

None

21. ADJOURNMENT

The meeting adjourned at 11:00 a.m. The next Board of Directors meeting will be held on May 9, 2016.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY**PAYMENT OF WARRANTS****16-05****For the Month of April 2016**

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
32774-32777	Void	Void	Void	Void
32778	All American First Aid & Safety	Supplies - Shop & Field	Gloves	64.26
32779	Susana Arredondo	Subsistence - Travel/Rm & Bd	WaterReuse conference	592.46
32780	AT&T	Utilities - Telephone	DSL - 02/10/16 - 03/09/16	100.16
32781	AT&T	Utilities - Telephone	Phone service - 02/13/16 - 03/12/16	374.12
32782	AT&T	Utilities - Telephone	DSL - 02/20/16 - 03/19/16	100.64
32783	Atlas Pumping Service Inc.	Services - Grease & Scum	Grease and scum pumping	554.88
32784	American Water Works Assoc.	Dues & Memberships	Membership	255.00
32785	Barracuda Networks, Inc.	Utilities - Internet	Network back-up	50.00
32786	Bob's Crane Service	Equipment Rental/Lease	Crane rental	749.00
32787	John Boyle	Dues & Memberships	Membership	164.00
32788	CDW Government	Supplies - Office	HP laserjet printer	942.93
32789	Clear Edge Filtration	Repair Parts Expense	Belt press belts	1,771.00
32790	Corodata	Rent	Record storage - February	74.62
32791	CWEA - TCP	Dues & Memberships	Certificate	96.00
32792	DMV	Services - Other	Safety records - 01/01/16 - 02/29/16	6.00
32793	Dudek & Associates	Services - Engineering	Preliminary design - Headworks	108,228.35
32794	Encina Wastewater Authority	Service - EWA Support	Resource sharing	1,428.90
32795	FLW, Inc.	Repair Parts Expense	Diaphragm pressure switch	234.05
32796	Forte of San Diego	Supplies - Janitorial	Supplies	355.85
32797	Golden Bell Products	Supplies - Chemicals	Lift station degreaser	410.40
32798	Hardy Diagnostics	Supplies - Lab	Laboratory supplies	521.50
32799	Harrington Industrial Plastics	Repair Parts Expense	Pump	734.66
32800	Michael Henke	Dues & Memberships	Electrical/Instrumentation	155.00
32801	Jennifer Basco	Subsistence - Travel	Mileage	55.80
32802	Lee Michael Konicke	Subsistence - Travel/Rm & Bd	WaterReuse conference and SRF funding meetin	977.46
32803	Casey Larsen	Subsistence - Travel	Mileage	17.76
32804	The Lawton Group	Services - Intern Program	Weeks worked - 02/15/16 - 03/18/16	3,809.03
32805	McMaster-Carr Supply Co.	Minor Equip - Shop & Field	Battery, tubing, clamps, and voltage	393.95
32806	MetLife - Group Benefits	Dental/Vision	Dental - April	1,339.32
32807	MGM Plastics Inc.	Repair Parts Expense	Wall mount pump shelf	164.16
32808	OneSource Distributors, Inc.	Repair Parts Expense	Electrical parts and reference books	604.48
32809	Pacific Green Landscape	Services - Landscape	March	2,975.00
32810	Public Employees - Retirement	Retirement Plan - PERS	Retirement - 03/12/16 - 03/25/16	11,401.65
32811	ReadyRefresh	Supplies - Lab	Kitchen and lab supplies	272.03
32812	RSF Security Systems	Services - Maintenance	New alarm system	699.00
32813	Santa Fe Irrigation District	Utilities - Water; Services - Prof.	Recycled water; potable reuse study	831.80
32814	SCAP	Dues & Memberships	Annual membership dues	2,210.00
32815	San Diego Gas & Electric	Utilities - Gas & Electric	Gas and electric - 02/04/16 - 03/07/16	45,047.09
32816	Sloan Electric Company	Services - Maintenance	Repair pump	697.80
32817	Television 101	Services - Professional	Videography services	2,400.00
32818	Test America	Services - Laboratory	Water sample testing	771.50
32819	Christopher A. Trees	Subsistence - Travel	WaterReuse and water coalition meetings	48.38
32820	Unifirst Corporation	Services - Uniforms	Uniform service	263.89
32821	UPS	Postage/Shipping	Mailing samples	49.48
32822	Vantagepoint Transfer Agents	EE Deduction Benefits	ICMA - 457	6,302.80
32823	Vantagepoint Transfer Agents	ICMA Retirement	ICMA - 401a	2,782.08
32824	Verizon Wireless	Utilities - Telephone	02/11/16 - 03/10/16	339.36
32825	WageWorks	Payroll Processing Fees	Administration and compliance fees	134.00
32826	Watson Bros. Inc.	Services - Maintenance	Calibration and preventative service	495.00
32827	San Diego Recorder/County Clerk	Fees - Permits	SEWRF MND - Treatment Facilities Upgrade	2,260.25
32828	A-1 Broadway Foto	Printing	Employee ID card	12.00
32829	A-Check Global	Preemployment Screening	New employee background check	102.50
32830	Aflac	EE Deduction Benefits	Aflac - April	941.94
32831	Ag Tech, LLC	Services - Biosolids Hauling	Biosolids hauling - March	14,246.69
32832	All American First Aid & Safety	Supplies - Shop & Field	Safety jackets	854.66

SAN ELIJO JOINT POWERS AUTHORITY**PAYMENT OF WARRANTS****16-05****For the Month of April 2016**

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
32833	American Backflow	Dues & Memberships	Membership	80.00
32834	Asbury Environmental Services	Fees - Disposal	Oily towels, used oil, and gasoline filters	369.68
32835	AT&T	Utilities - Telephone	Alarm service	412.75
32836	Atlas Pumping Service Inc.	Services - Grease & Scum	Grease and scum pumping	2,317.02
32837	BankCard Center	Various	Meetings, shop, seminars, parts	3,701.33
32838	Brenntag Pacific, Inc.	Supplies - Chemicals	Citric Acid, Sodium Hydroxide	4,271.94
32839	California Water Technologies	Supplies - Chemicals	Ferric Chloride	2,309.43
32840	Calpers	Retirement Plan - PERS	Calpers	11,906.00
32841	Cerilliant	Supplies - Lab	Laboratory supplies	1,109.08
32842	Chevron & Texaco Business Card	Fuel	Fuel	519.90
32843	Coast Waste Management, Inc.	Services - Grit & Screenings	Roll-off service	716.08
32844	Complete Office	Supplies - Office	Office supplies	261.52
32845	Corodata	Rent	Record storage - March	76.81
32846	County of San Diego	Fees - Permits	Permits	292.00
32847	CS-Amsco	Repair Parts Expense	Swing check valve	1,798.11
32848	Cummins Cal Pacific, Inc.	Repair Parts Expense	Solenoid fuel pump	346.15
32849	David Jenkins and Associates	Seminars/Education	Microscopic analysis manuals	558.05
32850	East Penn MFG.Co., Inc.	Repair Parts Expense	Battery	195.11
32851	EDCO Waste & Recycling Service	Utilities - Trash	March	235.97
32852	eMaint Enterprises, LLC	Services - Maintenance	CMMS software	480.00
32853	Environmental Water Solutions	Repair Parts Expense	Grease	315.86
32854	Forte of San Diego	Services - Janitorial	Janitorial services	1,625.00
32855	Global Capacity	Utilities - Internet	T-1 Service - April	296.03
32856	Hach Company	Supplies - Lab	Laboratory supplies; sensors	9,733.40
32857	Harrington Industrial Plastics	Repair Parts Expense	Valve	222.03
32858	Hoch Consulting, APC	Services - Engineering	Turbo blower and grant support	600.00
32859	Konica Minolta	Services - Maintenance	Copier maintenance service	112.11
32860	Lawson Products Inc.	Repair Parts Expense	Seal tape and screws	314.89
32861	The Lawton Group	Services - Intern Program	Weeks worked - 03/21/16 - 04/01/16	1,645.52
32862	McMaster-Carr Supply Co.	Repair Parts Expense	Signs, plumbing parts, and clamps	299.80
32863	Olin Corp - Chlor Alkali	Supplies - Chemicals	Sodium Hypochlorite	3,140.41
32864	Olivenhain Municipal Water District	Rent	Pipeline rental payment	3,600.00
32865	Peerless Materials Co., LLC	Supplies - Shop & Field	Shop towels	334.80
32866	P.E.R.S.	Medical Insurance - Pers	Health - May	20,473.05
32867	Public Employees- Retirement	Retirement Plan - PERS	Retirement - 03/26/16 - 04/08/16	11,604.14
32868	Polydyne Inc.	Supplies - Chemicals	Clarifloc	11,426.40
32869	Preferred Benefit Insurance	Dental/Vision	Vision - April	260.70
32870	ProBuild Company, LLC	Supplies - Shop & Field	Parts, shop and field supplies	729.39
32871	Procopio Cory Hargreaves	Services - Legal	General, Labor and employment	4,265.86
32872	Roesling Nakamura Terada Architects	Services - Professional	Building pre-design	3,488.00
32873	RSF Security Systems	Services - Maintenance	On-site service	75.00
32874	San Dieguito Water District	Utilities - Water	Recycled water	11,653.16
32875-32888	Void	Void	Void	Void
32889	Santa Fe Irrigation District	Utilities - Water	Recycled water	940.94
32890	Santa Fe Irrigation District	SFID Distribution Pipeline	Pipeline purchase payment - March	509.30
32891	Smart & Final	Supplies - Office	Kitchen supplies	150.29
32892	Board of Equalization	Accrued Sales Tax Payable	Sales tax 1st Qtr - 2016	513.00
32893	SWRCB	Dues & Memberships	Certification	230.00
32894	Sun Life Financial	Life Insurance/Disability	May	1,539.67
32895	Tierra Data Inc.	Services - Laboratory	Water monitoring - March	725.00
32896	Unifirst Corporation	Services - Uniforms	Uniform service	638.79
32897	Underground Service Alert/SC	Services - Alarm	Dig alert - March	82.50
32898	Vantagepoint Transfer Agents	EE Deduction Benefits	ICMA - 457	6,372.91
32899	Vantagepoint Transfer Agents	ICMA Retirement	ICMA - 401a	2,848.24
32900	West Coast Safety Supply	Supplies - Shop & Field	Safety supplies	999.09
32901	WorkPartners Occupational	Services - Medical	New employee	205.00

SAN ELIJO JOINT POWERS AUTHORITY**PAYMENT OF WARRANTS****16-05****For the Month of April 2016**

Warrant #	Vendor Name	G/L Account	Warrant Description	Amount
32902	AT&T	Utilities - Telephone	DSL - 03/10/16 - 04/09/16	100.16
32903	AT&T	Utilities - Telephone	Phone service - 03/13/16 - 04/12/16	360.15
32904	Calpers	Services - Professional	Fees for GASB-68 reports and schedules	1,950.00
32905	MetLife - Group Benefits	Dental/Vision	Dental - May	1,584.75
32906	Public Employees - Retirement	Retirement Plan - PERS	Retirement - 04/09/16 - 04/22/16	11,608.33
32907	San Diego Gas & Electric	Utilities - Gas & Electric	Gas and electric - 03/07/16 - 04/05/16	46,400.16
32908	Vantagepoint Transfer Agents	EE Deduction Benefits	457 - ICMA	6,401.42
32909	Vantagepoint Transfer Agents	ICMA Retirement	401a - ICMA	2,849.58
32910	WageWorks	Payroll Processing Fees	Administration and compliance fees	134.00
	San Elijo Payroll Account	Payroll	Payroll - 04/01/16	70,934.38
	San Elijo Payroll Account	Payroll	Payroll - 04/15/16	61,150.08
	San Elijo Payroll Account	Payroll	Payroll - 04/29/16	63,643.04
				<u>\$ 622,507.90</u>

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS SUMMARY

**For the Month of April 2016
As of April 27, 2016**

PAYMENT OF WARRANTS \$ 622,507.90
Reference Number 16-05

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 April 27, 2016

FUNDS ON DEPOSIT WITH	AMOUNT
LOCAL AGENCY INVESTMENT FUND <i>(MARCH 2016 YIELD 0.506%)</i>	
RESTRICTED SRF RESERVE	\$ 630,000.00
UNRESTRICTED DEPOSITS	\$ 6,548,972.68
CALIFORNIA BANK AND TRUST <i>(MARCH 2016 YIELD 0.01%)</i>	
REGULAR CHECKING	\$ 50,219.48
PAYROLL CHECKING	\$ 5,000.00
 TOTAL RESOURCES	 \$ 7,234,192.16

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

May 9, 2016

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

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

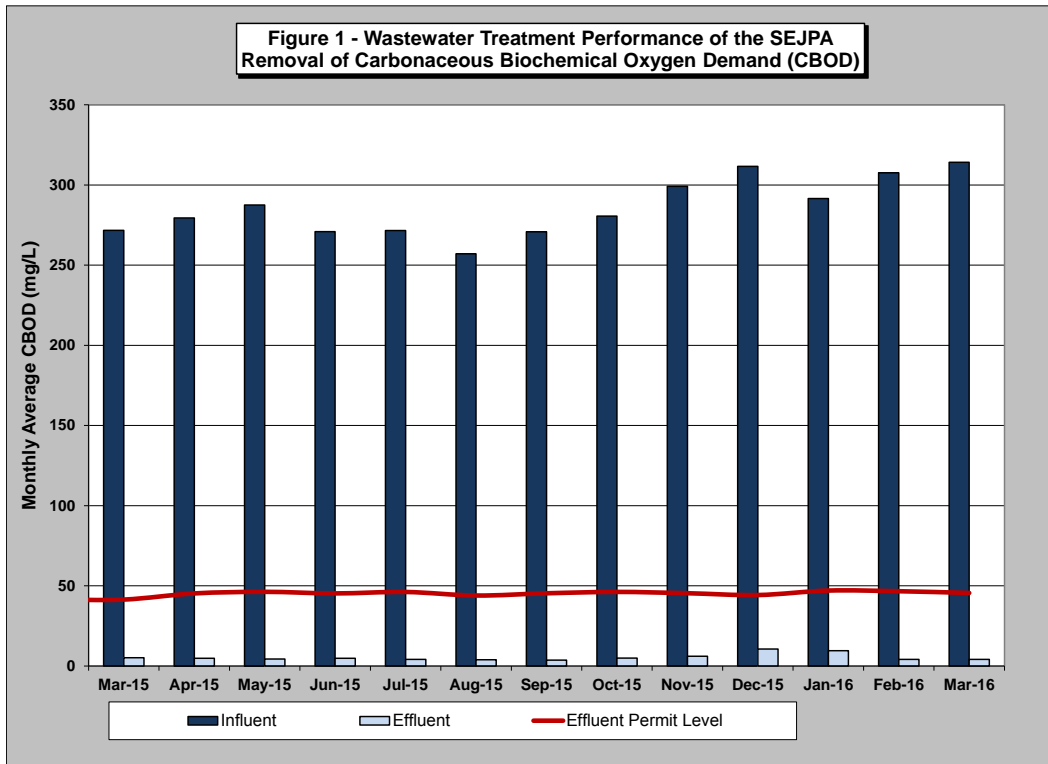
RECOMMENDATION

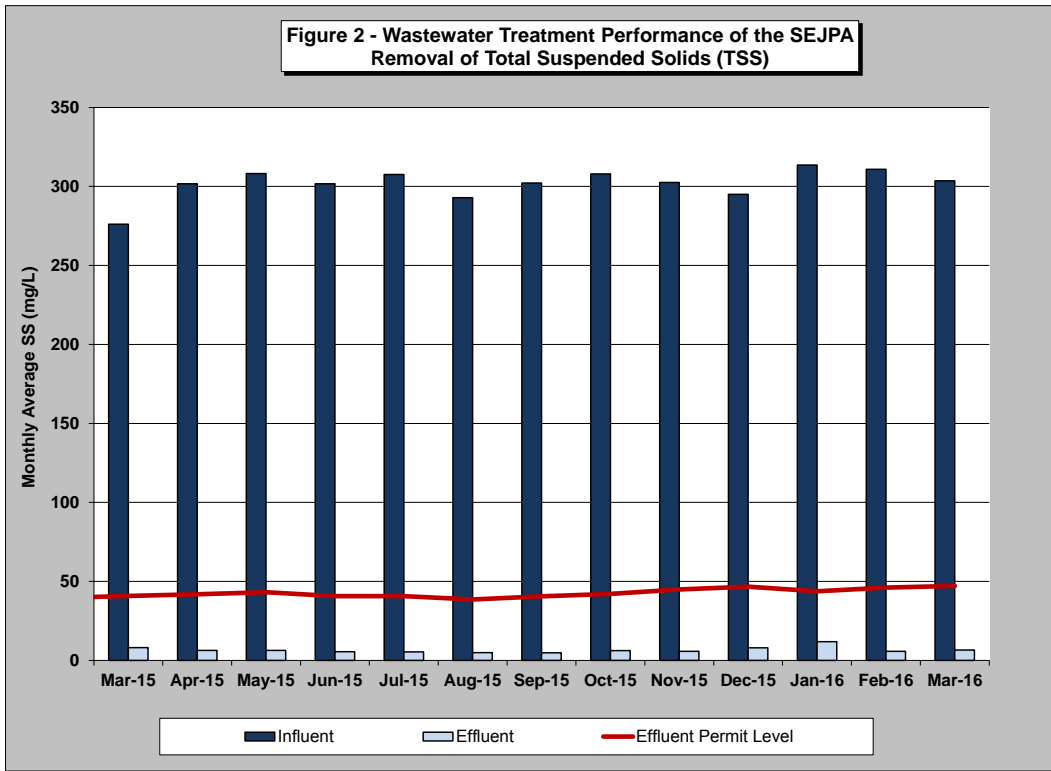
No action required. This memorandum is submitted for information only.

DISCUSSION

Monthly Treatment Plant Performance and Evaluation

Wastewater treatment for the San Elijo Joint Powers Authority (SEJPA) met all NPDES ocean effluent limitation requirements for the month of March 2016. 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. For the month of March, treatment levels for CBOD and TSS were 98.7 and 97.8 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 March. Average daily influent flows were recorded for each Member Agency. Total effluent flow was calculated for the San Elijo Water Reclamation Facility.

	March	
	<u>Influent (mgd)</u>	<u>Effluent (mgd)*</u>
Cardiff Sanitary Division	1.267	0.763
City of Solana Beach	1.023	0.616
Rancho Santa Fe SID	0.116	0.070
Total San Elijo WRF Flow	2.406	1.449

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

Table 1 (next page) 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	TOTAL PLANT	CSD	RSF	CSD	SB	TOTAL PLANT	CSD EDUS	RSF EDUS	SB EDUS	TOTAL EDUS	CSD	RSF	SB
Feb-11	1.413	0.156	1.339	2.908	1.176	0.130	1.114	2.420	8,228	480	7,728	16,436	172	325	173	177	
Mar-11	1.387	0.208	1.343	2.938	1.186	0.178	1.148	2.512	8,229	480	7,728	16,437	169	434	174	179	
Apr-11	1.320	0.181	1.323	2.824	0.867	0.118	0.869	1.854	8,248	482	7,728	16,458	160	376	171	172	
May-11	1.327	0.162	1.320	2.809	0.564	0.069	0.561	1.194	8,248	483	7,728	16,459	161	336	171	171	
Jun-11	1.343	0.156	1.390	2.889	0.545	0.063	0.564	1.172	8,249	483	7,728	16,460	163	323	180	176	
Jul-11	1.293	0.151	1.430	2.874	0.425	0.050	0.470	0.945	8,250	484	7,728	16,462	157	312	185	175	
Aug-11	1.292	0.150	1.405	2.847	0.479	0.056	0.521	1.056	8,252	485	7,728	16,465	157	310	182	173	
Sep-11	1.262	0.146	1.333	2.741	0.564	0.066	0.596	1.226	8,254	486	7,728	16,468	153	301	172	166	
Oct-11	1.260	0.142	1.303	2.705	0.730	0.082	0.755	1.567	8,260	486	7,728	16,474	153	292	169	164	
Nov-11	1.338	0.167	1.307	2.812	1.099	0.137	1.074	2.310	8,261	486	7,728	16,475	162	344	169	171	
Dec-11	1.299	0.164	1.305	2.768	1.103	0.139	1.108	2.350	8,264	487	7,728	16,479	157	337	169	168	
Jan-12	1.291	0.145	1.303	2.739	1.032	0.116	1.042	2.190	8,266	488	7,728	16,482	160	232	169	166	
Feb-12	1.259	0.137	1.283	2.679	1.006	0.109	1.025	2.140	8,268	488	7,728	16,484	152	281	166	163	
Mar-12	1.313	0.153	1.255	2.721	0.968	0.113	0.925	2.006	8,269	488	7,728	16,485	159	314	162	165	
Apr-12	1.348	0.145	1.209	2.702	0.906	0.097	0.813	1.816	8,278	488	7,728	16,494	163	297	156	164	
May-12	1.333	0.150	1.211	2.694	0.577	0.065	0.525	1.167	8,280	488	7,728	16,496	161	308	157	163	
Jun-12	1.365	0.143	1.237	2.745	0.547	0.057	0.496	1.100	8,284	489	7,728	16,501	165	293	160	166	
Jul-12	1.372	0.126	1.296	2.794	0.457	0.042	0.431	0.930	8,289	489	7,728	16,506	166	258	168	169	
Aug-12	1.383	0.128	1.291	2.802	0.473	0.044	0.441	0.958	8,290	490	7,728	16,508	167	261	167	170	
Sep-12	1.349	0.142	1.220	2.711	0.544	0.058	0.492	1.094	8,291	490	7,728	16,509	163	290	158	164	
Oct-12	1.327	0.123	1.203	2.653	0.678	0.063	0.615	1.356	8,294	490	7,728	16,512	160	251	156	161	
Nov-12	1.343	0.128	1.181	2.652	0.862	0.082	0.758	1.702	8,299	490	7,728	16,517	162	261	153	161	
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	152	
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	154	
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	

CSD: Cardiff Sanitary Division

RSF CSD: Ranch Santa Fe Community Service District

SB: Solana Beach

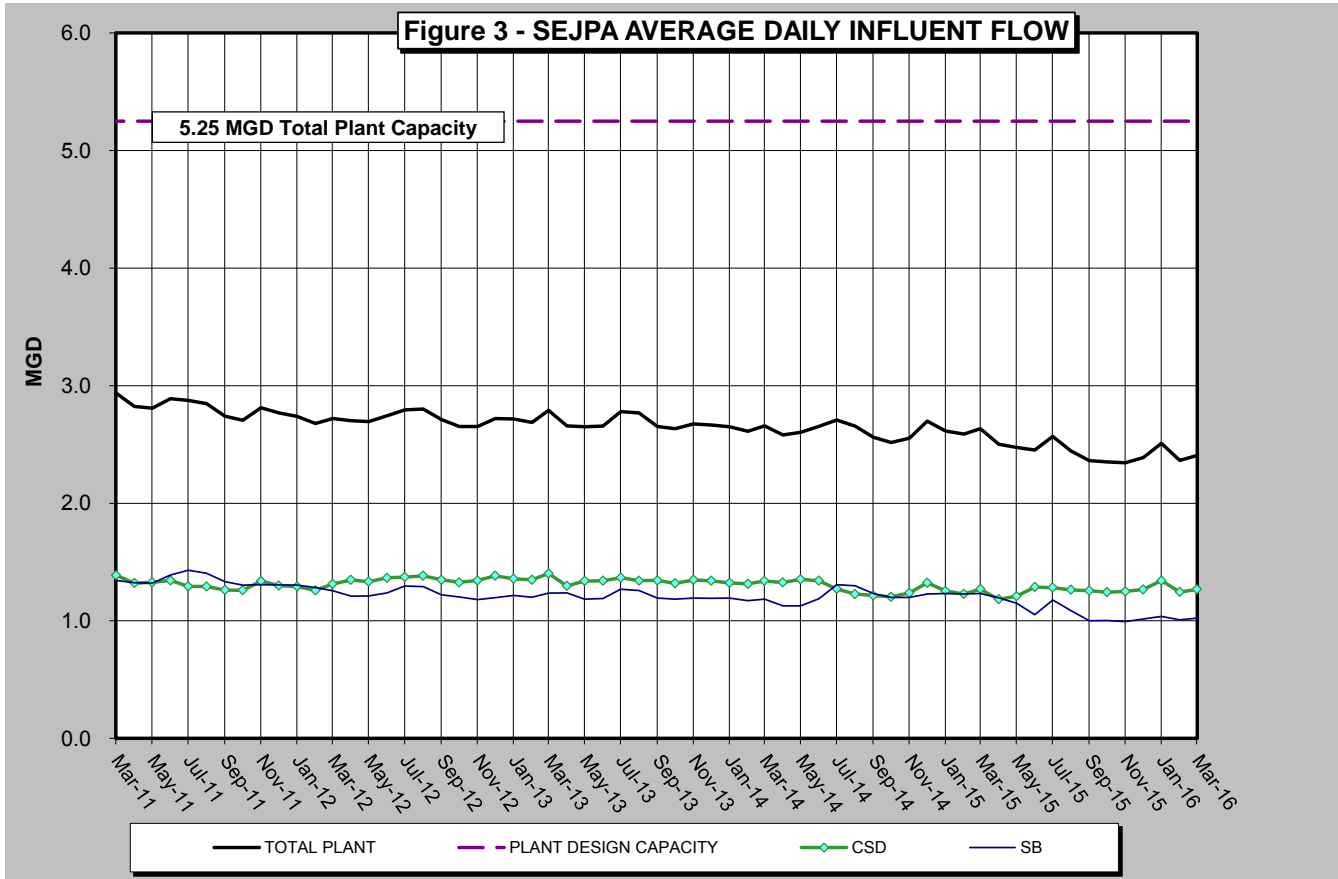
EDU: Equivalent Dwelling Unit

ASSUMPTIONS: SB average flow includes San Elijo Hills flow of 0.131 mgd

SB Connected EDUs includes 300 EDUs for the City of San Diego

EDU Numbers Revised by Dudek for March and April 2013

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 2.5 mgd, and Rancho Santa Fe Community Service District leases 0.25 mgd.



City of Escondido Flows

The average and peak flow rate from the City of Escondido Hale Avenue Resource Recovery Facility, which discharges through the San Elijo Ocean Outfall, is reported below. The following average flow rate and peak flow rate is reported by the City of Escondido for the month of March 2016.

	Flow (mgd)
Escondido (Average flow rate)	10.49
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 2015. The City of Encinitas and Rancho Santa Fe CSD report their connected EDUs every month. The number of EDUs connected for each of the Member Agencies is as follows:

	Connected (EDU)
Cardiff Sanitary Division	8,388
Rancho Santa Fe SID	512
City of Solana Beach	7,666
San Diego (to Solana Beach)	337
Total EDUs to System	16,903

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

May 9, 2016

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: SAN ELIJO RECYCLED WATER PROGRAM – MONTHLY REPORT

RECOMMENDATION

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

DISCUSSION

Recycled Water Production

For the month of March 2016, recycled water demand was 82.54 acre-feet (AF), which was met using 82.52 AF of recycled water and 0.02 AF of supplementation with potable water. The distribution system was designed to use potable water during peak demand days.

The recycled water system has continued to experience low level coliform issues and another permit exceedance happened in March. System operational recommendations from the Coliform Study have been implemented and staff continues to gather data to troubleshoot the issue. Corrective actions have included 1) review of automation procedures, 2) review of polymer dosing procedures, and 3) evaluation of steps to increase system robustness. Staff is now considering capital improvements as recommended in the Coliform Study.

Figure 1 (attached) provides monthly supply demands for recycled water since September 2000. Figure 2 (attached) provides a graphical view of annual recycled water demand spanning sixteen fiscal years. Figure 3 (attached) shows the monthly recycled water demand for each March since the program began operating.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

Figure 1 - MONTHLY RECYCLED WATER DEMAND

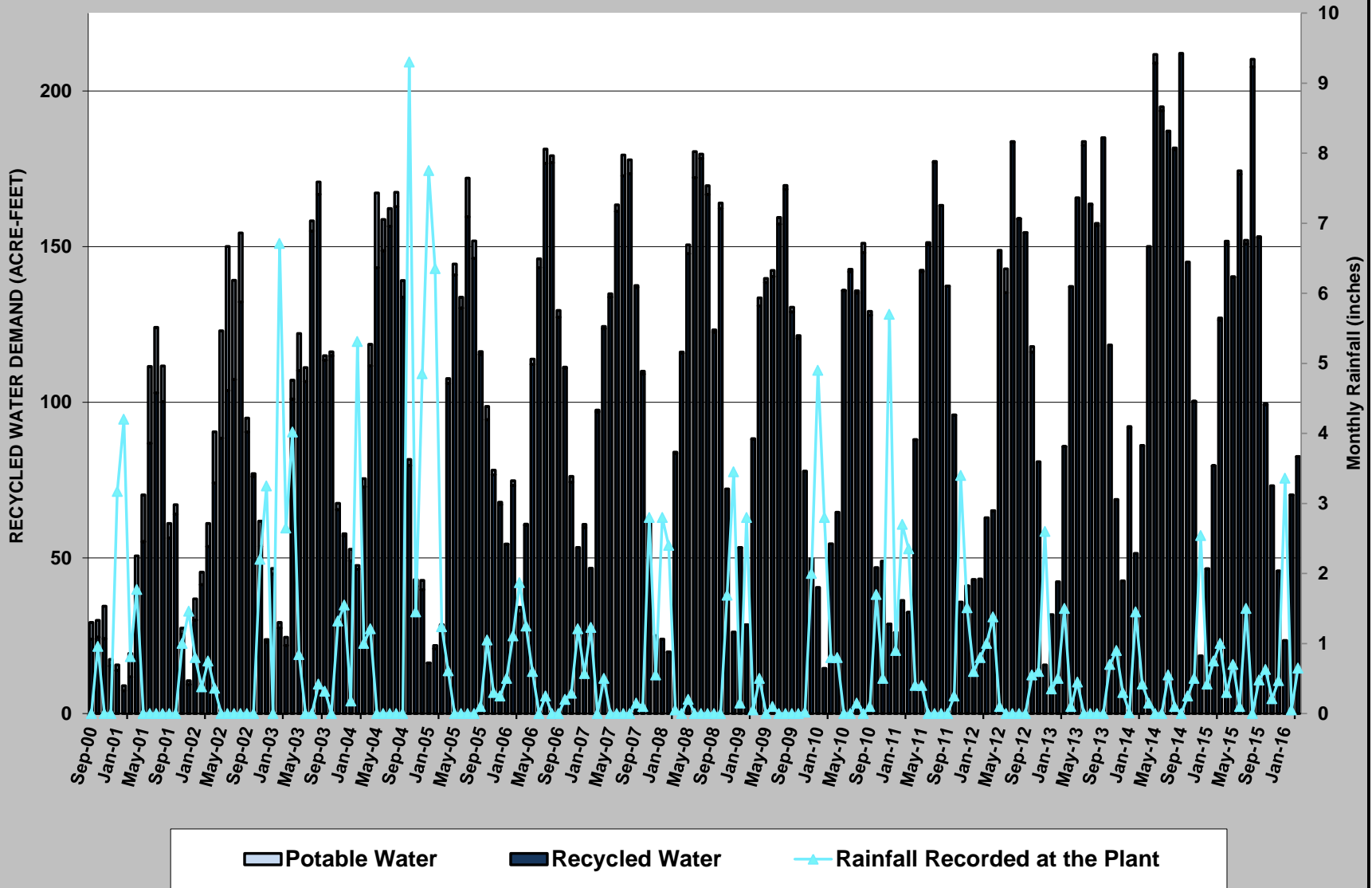


Figure 2 - RECYCLED WATER DEMAND by FISCAL YEAR

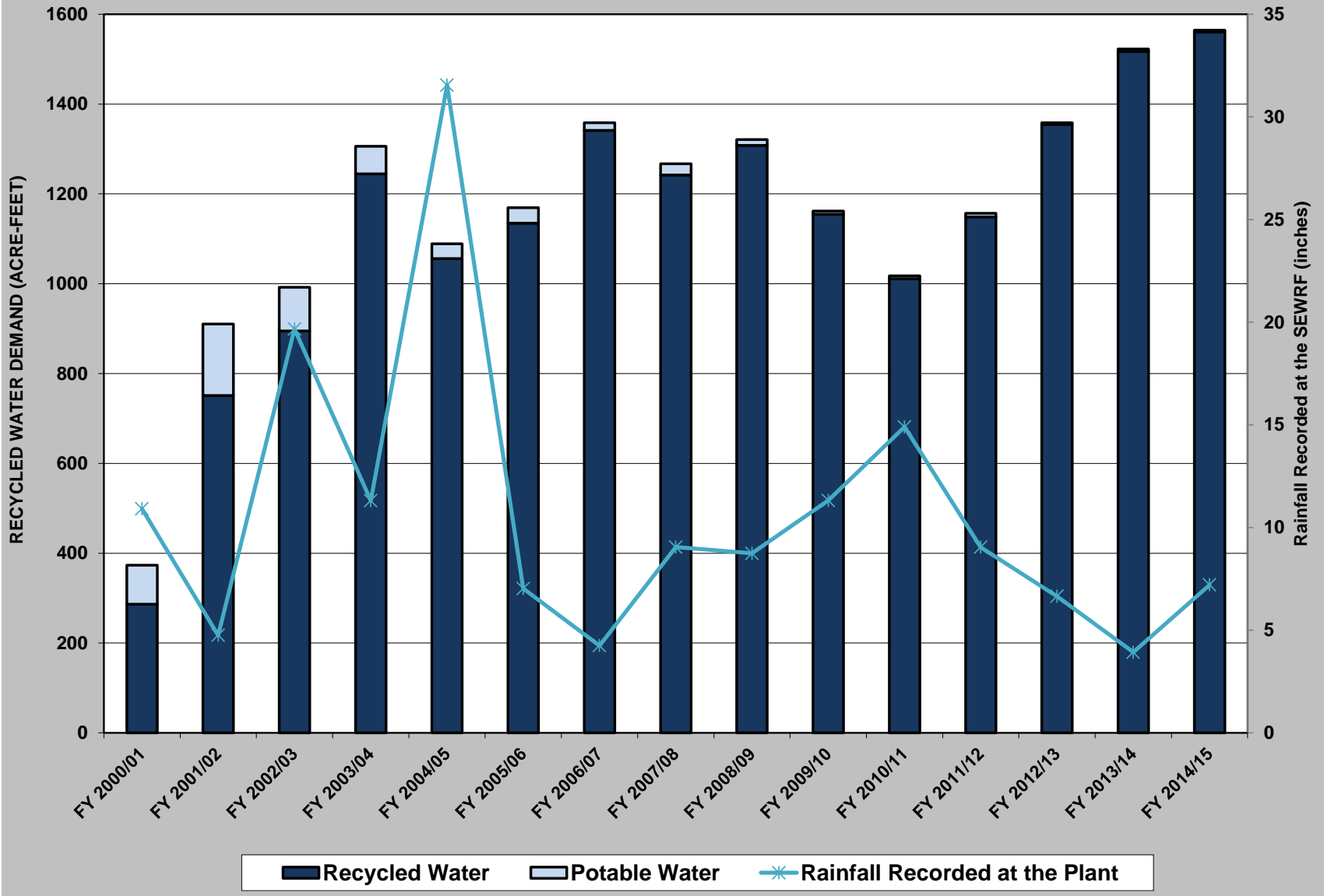
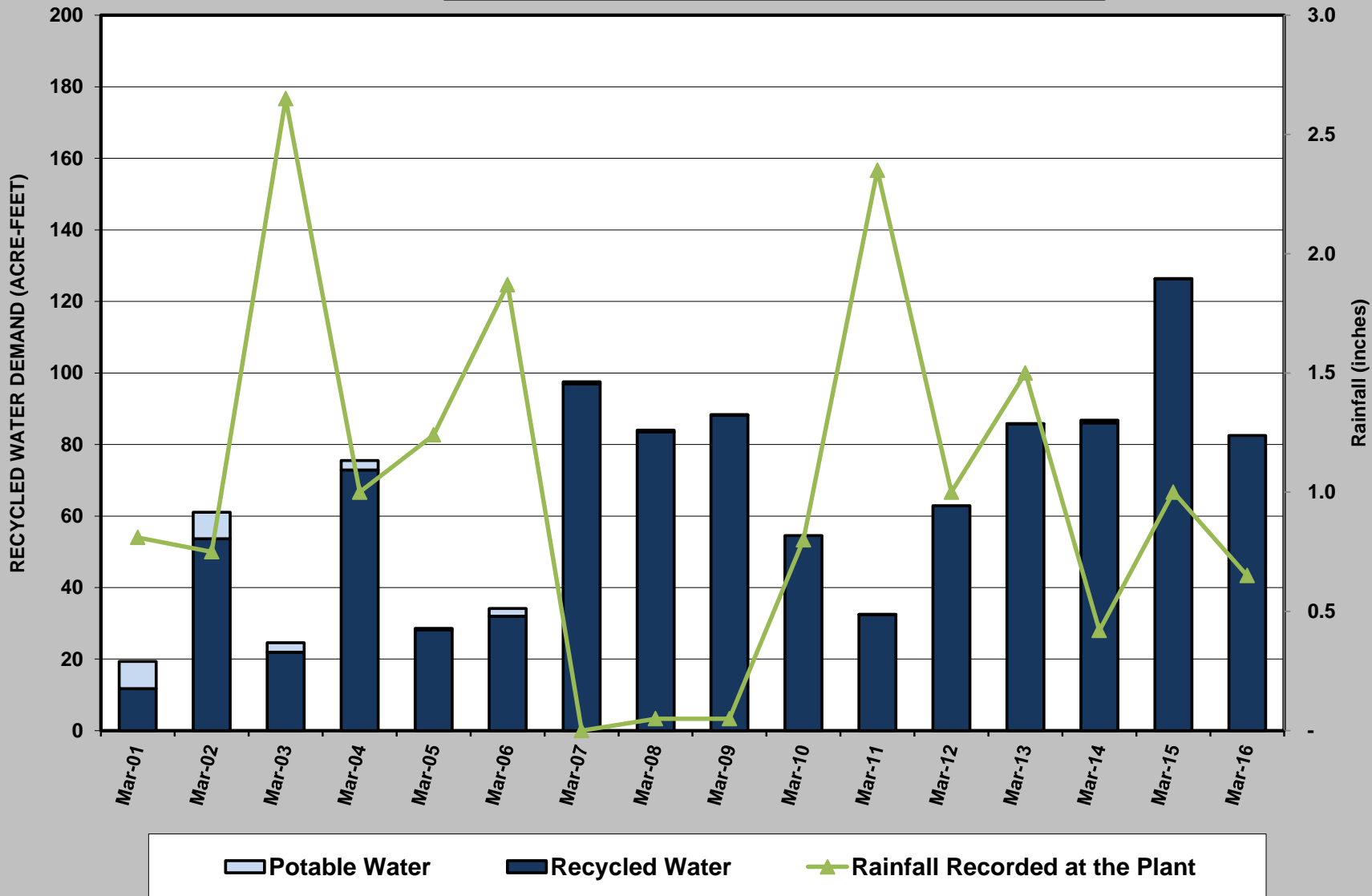


Figure 3 - MARCH RECYCLED WATER DEMAND



*

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

May 9, 2016

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Director of Finance/Administration

SUBJECT: SAN ELIJO JOINT POWERS AUTHORITY FISCAL YEAR 2016-17
RECOMMENDED BUDGET UPDATE

RECOMMENDATION

It is recommended that the Board of Directors:

1. Discuss and take action as appropriate.

DISCUSSION

At the April 2016 SEJPA Board meeting, staff presented the FY 2016-17 Recommended Budget to the Board of Directors for public review and comment. During the past month, SEJPA staff has had discussions with staff members from both Member Agencies to receive comments and/or suggested changes.

The Member Agencies support the FY 2016-17 Recommended Budget, and the budget is in line with expectation for their rate structures. There have been no recommendations, changes, or comments from the other participating government agencies, and no public comments.

The budget will be presented to the Board of Directors for adoption at the June meeting along with the investment policy and appointment of SEJPA Treasurer. Any action from the current meeting will be incorporated into the budget before the June meeting.

It is, therefore, recommended that the Board of Directors:

1. Discuss and take action as appropriate.

Respectfully submitted,



Paul F. Kinkel
Director of Finance/Administration

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

May 9, 2016

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: ADOPT THE PROPOSED MITIGATED NEGATIVE DECLARATION FOR
RECYCLED WATER SYSTEM IMPROVEMENTS

RECOMMENDATION

It is recommended that the Board of Directors:

1. Adopt the Proposed Mitigated Negative Declaration for Recycled Water System Improvements; and
2. Discuss and take action as appropriate.

BACKGROUND

In April 2015, San Elijo Joint Powers Authority (SEJPA) accepted the 2015 Facility Plan for the San Elijo Water Reclamation Facility (SEWRF) to update the condition assessments and identify necessary component replacement or rehabilitation. The Facility Plan recommends that multiple components of the SEWRF be upgraded based on a combination of factors such as safety, physical condition, code compliance, process improvement, and energy efficiency. The Facility Plan recommends recycled water system improvements at the SEWRF including treatment and storage upgrades. In addition, the SEJPA was awarded a grant for a suite of recycled water projects through the California Integrated Regional Water Management (IRWM) program. The IRWM projects include recycled water pipeline extensions to reduce potable water consumption for landscape and agricultural use in response to current drought conditions. Lastly, two pipeline relocations due to the North Coast Corridor (NCC) I-5 widening project are necessary to continue delivery of recycled water to the water districts. The proposed Facility Plan, IRWM, and NCC projects require an environmental study in order to begin construction.

The SEJPA retained the professional services of DUDEK to prepare the California Environmental Quality Act (CEQA) reporting requirements for the proposed recycled water system improvements. Based on the findings of the Initial Study Environmental Checklist, DUDEK recommended that a Mitigated Negative Declaration (MND) is the appropriate environmental document for project compliance with CEQA. SEJPA is pursuing State Revolving Fund (SRF) loans from the State Water Resources Control Board for wastewater, outfall, and recycled water upgrades. The SEJPA has divided these capital projects into two SRF applications: wastewater/outfall and recycled water. The proposed MND presented in this staff report is for the recommended recycled water capital projects.

DISCUSSION

The final MND was prepared by DUDEK with the SEJPA as the lead agency, and is in conformance with Section 15070(a) of the CEQA Guidelines. The purpose of the MND and the Initial Study Checklist is to determine any potentially significant impacts associated with the proposed project, and to incorporate mitigation measures into the project design.

The SEJPA determined that the project (as described in the Final Mitigated Negative Declaration) will not have a significant adverse effect on the environment based on the Initial Study/Mitigated Negative Declaration performed by DUDEK. Some potentially significant effects have been identified and mitigation measures have been incorporated into the project to ensure that these effects remain at less than significant levels. The MND therefore satisfies the requirements of CEQA (PRC 21000 et. seq.; 14 CCR 15000 et. seq.). These conclusions are supported by the findings in the attached Recycled Water Pipeline and Facility Upgrades, Mitigated Negative Declaration.

The MND was distributed March 17, 2016 through April 18, 2016 for a 30-day public review period. Two MND comment letters were received: one from the California Department of Transportation on April 11, 2016 and one from the State Water Resources Control Board dated April, 8, 2016. Responses to the comment letters were included in the Final MND. No substantive comments were received that change the determination of impacts or mitigation measures.

CEQA guidelines require the decision-making body to consider the proposed MND, and any comments received during the public review process prior to project approval. To date, all concerns raised have been addressed by the SEJPA.

Adoption of the proposed MND will complete the public review process required by CEQA.

It is therefore recommended that the Board of Directors:

1. Adopt the Proposed Mitigated Negative Declaration for Recycled Water System Improvements; and
2. Discuss and take action as appropriate.

Respectfully submitted,



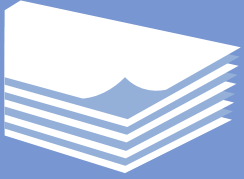
Michael T. Thornton, P.E.
General Manager

Attachment 1: Introduction to the Final Mitigated Negative Declaration for the Recycled Water Pipeline and Facility Upgrades (May 2016)

Attachment 2: Public Comment Letters and Responses to the proposed Mitigated Negative Declaration for the Recycled Water Pipeline and Facility Upgrades

Note: The Final Mitigated Negative Declaration for the Recycled Water Pipeline and Facility Upgrades (May 2016) is posted on the SEJPA website at the following link: www.sejpa.org under Capital Projects/Public Notices.

ATTACHMENT 1



Final Mitigated Negative Declaration for the

Recycled Water Pipeline and Facility Upgrades



MAY 2016

PREPARED FOR:

San Elijo Joint Powers Authority
2695 Manchester Avenue
Cardiff By The Sea, California 92007
Contact: Mike Konicke

PREPARED BY:

DUDEK
605 Third Street
Encinitas, California 92024

~~PUBLIC REVIEW DRAFT~~ FINAL

Recycled Water Pipeline and Facility Upgrades Mitigated Negative Declaration

Prepared for:

San Elijo Joint Powers Authority
2695 Manchester Avenue
Cardiff by the Sea, California 92007
Contact: Mike Konicke

Prepared by:

DUDEK
605 Third Street
Encinitas, California 92024
Contact: Carey Fernandes, AICP

~~MARCH~~ MAY 2016

**~~Draft-Final~~ Recycled Water Pipeline and Facility Upgrades
Mitigated Negative Declaration**

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**Draft ~~Final~~ Recycled Water Pipeline and Facility Upgrades
Mitigated Negative Declaration**

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~~Draft-Final~~ Recycled Water Pipeline and Facility Upgrades Mitigated Negative Declaration

1 INTRODUCTION

1.1 Project Overview

1.1.1 Purpose and Need

The Recycled Water Pipeline and Facility Upgrades Project (proposed project) is driven by three separate planning and development efforts within the City of Encinitas. The first effort, in response to the recent severe drought, is the Integrated Water Resource Management Solutions for the Carlsbad Watershed, which includes extension of recycled water pipelines, improved streetscapes, and community outreach to conserve water and improve water quality within the Carlsbad Watershed area.

Second, the portions of the Caltrans North Coast Corridor (NCC) Project would require relocation of portions of recycled water pipeline due to physical incompatibilities of the future widening of Interstate 5 (I-5) and construction of a new bicycle path. The Caltrans NCC Project Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) (State Clearinghouse Number 2004101076) was certified in 2013 and approved by the California Coastal Commission in August 2014 (Caltrans 2013; SANDAG 2015). The relocation of specific pipelines as part of the proposed project (as described below) would be directly caused by the Caltrans NCC Project and would only occur if/when the specific portions of the Caltrans NCC Project undergo development. The Caltrans NCC Project Final EIR/EIS provided environmental analysis for areas in which the existing pipelines are located and would be relocated to as a result of the Caltrans NCC Project. The Caltrans NCC Project Final EIR/EIS anticipated the potential for effects to utilities, however, at the time of the Final EIR/EIS certification, the specific information regarding potentially affected utilities was not yet known. To the extent practicable, the Caltrans NCC Project Final EIR/EIS is incorporated by reference, as permitted by the California Environmental Quality Act (CEQA) Guidelines Section 15150.

Third, in April 2015, San Elijo Joint Powers Authority (SEJPA) completed the 2015 Facility Plan for the SEJPA's San Elijo Water Reclamation Facility (SEWRF) to update the condition assessments (provided in a previous 2007 Facility Plan) and identify necessary component replacement or rehabilitation. The condition assessment of 2015 Facility Plan recommends that multiple components of the SEWRF be upgraded based on a combination of factors such as risk, safety, physical condition, code compliance, potential for improving process efficiency, reducing labor, and improving energy efficiency.

SEJPA is pursuing State Revolving Loan Fund (SRF) support from the State Water Resources Control Board (SWRCB) for portions of recycled water pipelines and portions of the identified

Draft-Final Recycled Water Pipeline and Facility Upgrades Mitigated Negative Declaration

upgrades in the 2015 Facility Plan. Select portions of the SEWRF upgrades and recycled water pipelines that would be funded through SRF support constitute the proposed project under CEQA. This project would be included in the SWRCB's "CEQA Plus" Environmental Package.

1.2 Project Location and Setting

The proposed project is located throughout the City of Encinitas in San Diego County, California, as shown on Figure 1, Regional Map. A small portion of one of the recycled water pipelines is located within the City of Solana Beach. All recycled water components would be located within existing right-of-ways (ROWs) for roadways and Caltrans as well as designated recreational trails, as shown on Figure 2, Vicinity Map. All alignments are shown generally and are conceptual in nature; alignments may alter slightly upon final design (such as specific lengths) but would remain within locations as described below. The SEWRF components would be located within the existing SEWRF site located at 2695 Manchester Avenue, Cardiff by the Sea, California 92007. Due to the varying location for each component, more specific location information is discussed in Section 1.3, below. Generally, all pipelines would be located within already developed and disturbed areas in and around roadways and range from 6 to 12 inches in diameter. All SEWRF components would be located within an already developed area zoned as Public/Semi-Public.

1.3 Proposed Project Components

1.3.1 Recycled Water Pipelines

Integrated Water Resource Management Solutions for the Carlsbad Watershed Portion

The following components would allow for conversion of several existing residential subdivisions and recreational trails to recycled water use within the City of Encinitas.

Encinitas Ranch. As shown on Figure 3, Encinitas Ranch Component, this component would extend Pipeline No. 3 east from Quail Gardens Drive to entrance of the Encinitas Ranch subdivision, along the decomposed granite trail on the north side of Paseo De Las Flores for approximately 1,700 feet. The pipeline would connect to a new small booster pump station within the existing golf course maintenance yard, south of Paseo De Las Flores; this connection would require approximately 1,000 feet of pipeline (to the maintenance yard and back). From this location, the pipeline would continue east following the City designated recreational trail along northern boundary of Encinitas Ranch for approximately 850 feet, before turning south and traveling along the same City designated recreational trail along eastern border of Encinitas Ranch, for approximately 3,900 feet. Approximately 550 feet of pipeline would extend west from the eastern boundary of Encinitas Ranch within Paseo De Las Flores near the intersection

Draft-Final Recycled Water Pipeline and Facility Upgrades Mitigated Negative Declaration

with Lynwood Drive. The total length of pipeline for this component is approximately 8,000 feet (approximately 1.52 miles). The pipeline for this component would be 4 to 8 inches in diameter and composed of polyvinyl chloride (PVC). Construction of this component would utilize trenching at an approximate width of 18 inches. The trail would be returned to City of Encinitas Park and Recreation standards upon completion of construction.

Requeza Street. As shown on Figure 4, Requeza Street Component, this component would extend Pipeline No. 4 west beginning at Westlake Street along Requeza Street for approximately 500 feet. The proposed pipeline for this component would be approximately 6 inches in diameter and composed of PVC. The pipeline would be located within the Requeza Street ROW. Construction of this component would utilize trenching at an approximate width of 18 inches. The disturbed area would be returned to existing conditions upon completion of construction.

Caltrans North Coast Corridor Project Portion

The following project components involve relocation of existing recycled water pipelines in response to the development of Caltrans North Coast Corridor Project. Both components are located within Caltrans ROW and within previously analyzed impact areas for the Caltrans NCC Project EIR/EIS.

Carol View Drive. As shown on Figure 5, Carol View Drive Component, an approximately 2,200 foot portion of 12 inch recycled water pipeline located adjacent Carol View Drive, from south of Birmingham Drive to north of the San Elijo Water Reclamation Facility, would be temporarily relocated within the Caltrans ROW for the construction of a bicycle pathway (part of the Caltrans North Coast Corridor Project). Upon completion of a portion of the new bicycle pathway, the recycled water pipeline would be moved back to its original location within the new bicycle pathway and the temporary pipeline location would be returned to existing conditions. The replacement pipeline would be the same size as the existing pipeline. Construction of this component would utilize trenching at an approximate width of 24 inches.

Manchester Avenue. As shown on Figure 6, Manchester Avenue Component, an approximately 1,000 foot portion of 12 inch recycled water pipeline within the Caltrans ROW (primarily within an existing recreational trail) would be relocated within the same existing footprint approximately 10 feet lower from the current pipeline location. The southern portion of this alignment is located within the City of Solana Beach. This portion of pipeline requires relocation due to the widening of the I-5 analyzed as part of the Caltrans North Coast Corridor Project. Construction of this component would utilize horizontal direction drilling (HDD) for the portion that crosses San Elijo Lagoon (which would require an approximate 24 inch wide entrance and receiving pits) and trenching at a width of approximately 24 inches. The pipeline would be

~~Draft~~ Final Recycled Water Pipeline and Facility Upgrades Mitigated Negative Declaration

composed of high-density polyethylene (HDPE) material. The disturbed areas for this components would be developed as the I-5 improvements as part of the Caltrans North Coast Corridor Project.

1.3.2 SEWRF Upgrades

The following is a summary of the proposed SEWRF upgrades, rehabilitations, and replacements as recommended by the 2015 Facility Plan, included in the proposed project. Refer to Figure 7, Proposed SEWRF Components, for a layout of the project site and the location of project components, as described below. Overall, upgrades are conceptual and would be finalized at a later date.

Tertiary Upgrades. Additional pumping and treatment systems would be installed to increase disinfection capacity. These upgrades would include, but are not limited to, pipes, valves, membranes, filtration systems, disinfection systems, and other ancillary equipment. Baffles would be installed in the chlorine contact basin. These upgrades would increase disinfection capacity, which would improve process efficiency and increases beneficial water reuse.

Reuse Storage. A new reuse pump station would be installed and the on-site storage for reuse water would be increased. The southern flow equalization basin (FEB) is contemplated to be expanded west within an existing disturbed area on the SEWRF site, but may occur within other existing disturbed areas of the SEWRF site. One of the FEBs would then be utilized for reused water storage. Overall plant operations would have an increase in efficiency as a result of these upgrades.

1.3.3 Construction

Recycled Water Pipelines

Pipeline Extensions

Construction of the recycled water pipeline extension components would be phased beginning in February 2017 and ending in January 2018.

Potential equipment required for construction of the proposed project include:

- Trenching Equipment
 - Excavator
 - Tractor/Loader/Backhoe
 - Dump Truck

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- Front End Loader
- Street Sweeper
- Bobcat
- Paving and Asphalt Removal Equipment
 - Asphalt Pavement Spreader
 - Concrete/Industrial Saw

As this time, the location of construction staging areas is unknown. However, construction staging areas of similar projects are typically located within already developed or disturbed areas and not located within environmentally sensitive areas, in compliance with local jurisdictional code. The staging area would likely be demarcated by a temporary 6-foot chain link fence, typical of similar projects. Upon completion of construction, all disturbed areas, including equipment staging areas, would be returned to existing conditions.

Pipeline Relocations

The Carol View Drive Component and the Manchester Avenue Component are driven by the Caltrans North Coast Corridor Project. These recycled water pipeline relocations would only occur if and when Caltrans begins construction on the specific affected portions of the North Coast Corridor Project. The construction schedule would depend on Caltrans' progress, schedule, budget, etc. Construction equipment would be similar to the pipeline extensions described above. A portion of the Manchester Avenue Component would require HDD which utilizes the following equipment:

- HDD Equipment
 - Bore and Drill Rig
 - Tractor/Loader/Backhoe

SEWRF Component

Construction of the SEWRF Component would be phased over several years beginning in early 2020 and ending in late 2022.

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Equipment would vary greatly between project components, while construction of the new administration building would require the largest construction equipment. Potential equipment required for construction of the proposed project includes.

- Demolition
 - Generator Set
 - Dump Truck
 - Tractor/Loader/Backhoe
 - Bobcat
- Site Work
 - Tractor/Loader/Backhoe
 - Generator
 - Bobcat
 - Tractor/Loader/Backhoe
 - Crane
- Start Up
 - Generator
- Punch List and Cleanup
 - Tractor/Loader/Backhoe
 - Forklift
 - Generator

1.3.4 Operations and Maintenance

Recycled Water Pipelines

Operation of the proposed pipelines would be entirely underground with the exception of occasional maintenance occurring at above ground appurtenance features such as pressure regulators or backflow preventors. The proposed project would not result in an increase in capacity for the production of recycled water.

~~Draft-Final~~ Recycled Water Pipeline and Facility Upgrades Mitigated Negative Declaration

SEWRF Component

The overall function and purpose of the SEWRF would remain unchanged with implementation of the proposed project. The proposed project would improve the safety and efficiency of the SEWRF, improving its reliability. Regular maintenance activities within the SEWRF would continue generally unchanged from existing conditions. The capacity and number of operational staff would not change as a result of the proposed project.

1.3.5 Discretionary Actions

The following discretionary actions are required for the proposed project:

- San Elijo Joint Powers Authority Board of Directors approval and adoption of the MND
- State Water Resources Control Board approval and CEQA plus approval:
 - In addition to standard CEQA compliance, SEJPA has the potential to apply for the SRF Loan Program, which is partially funded by the U.S. Environmental Protection Agency (USEPA). This makes the project subject to federal environmental regulations guiding the General Conformity Rule for the Clean Air Act, the Endangered Species Act, and the National Historic Preservation Act. USEPA has allowed a modified CEQA, called CEQA plus, to be the compliance base for projects applying for SRF funds. This draft MND has been prepared in compliance with the CEQA plus requirements for SRF funding.
- Coastal Commission Review
- Public Right-of-Way encroachment permits

1.4 California Environmental Quality Act Compliance

As the Lead Agency for the proposed project under the CEQA (Public Resources Code Section 21000 et seq.), SEJPA prepared an Initial Study to determine if the proposed project would have a significant effect on the environment. The Initial Study identifies potentially significant effects to biological resources, cultural resources, and noise during construction, but mitigation measures incorporated into the proposed project by SEJPA before the Initial Study and this Mitigated Negative Declaration (MND) were circulated for public review would mitigate the biological resources, cultural resources, and noise effects to a point where no significant effects would occur. There is no substantial evidence, in light of the whole record before the agency, that the project as revised may have a significant effect on the environment. Therefore, pursuant to the *Guidelines for Implementation of the California Environmental Quality Act* (CEQA Guidelines) (Section

~~Draft~~ Final Recycled Water Pipeline and Facility Upgrades Mitigated Negative Declaration

15070[b]]), SEJPA has prepared an MND for the proposed project. Included in this draft of the MND is the Initial Study documenting the reasons supporting this finding.

1.5 Public Review Process

The Draft MND is available for a 30-day public review period (Guidelines Section 15105). The public review period will begin on March 17, 2016. Written comments regarding the adequacy of the Draft MND must be received by April 18, 2016. Comments should be addressed, emailed, or faxed to:

Michael Thornton, PE
2695 Manchester Avenue
Cardiff, California 92007
thornton@sejpa.org

SEJPA shall prepare written responses to comments on environmental issues received during the noticed public review period. Written comments received by SEJPA will be included in the public record.

Copies of the Draft MND and supporting materials are available online at http://www.sejpa.org/index.php?parent_id=51&page_id=57 and at the SEJPA offices at the address provided above. Copies of the Draft MND are also available at the following locations:

- **Cardiff Library:** 2081 Newcastle Avenue, Cardiff, California 92007

ATTACHMENT 2

APPENDIX F
Responses to Comments



Edmund G. Brown Jr.
Governor

STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit



Ken Alex
Director

April 18, 2016

Mike Konicke
San Eljio Joint Powers Authority
2695 Manchester Avenue
Cardiff By the Sea, CA 92007

Subject: Recycled Water Pipeline and Facility Upgrades
SCH#: 2016031051

RECEIVED
SALEILIO
JOINT POWERS AUTHORITY
2016 APR 25 AM 7:56

Dear Mike Konicke:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on April 15, 2016, and the comments from the responding agency (ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

"A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Enclosures
cc: Resources Agency

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
TEL (916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

A-1

Reponses to Comments

Document Details Report State Clearinghouse Data Base

SCH# 2016031051
Project Title Recycled Water Pipeline and Facility Upgrades
Lead Agency San Elijo Joint Powers Authority

Type MND Mitigated Negative Declaration

Description SEJPA proposes several recycled water pipelines extensions to serve existing land uses and relocations resulting from the development of the Caltrans North Coast Corridor Project as well as minor upgrades to SEWRF facilities. The recycled water pipeline extensions within Encinitas Ranch and Requeza Street would allow for conversion of several existing residential subdivisions and recreational trails to recycled water use. The recycled water relocations within Carol View Drive and Manchester Avenue would occur in response to the Caltrans North Coast Corridor (NCC) Project; both components are located within Caltrans ROW and within previously analyzed impact areas for the Caltrans NCC Project EIR/EIS. SEWRF facilities upgrades would include tertiary system upgrades and water reuse storage expansion.

Lead Agency Contact

Name Mike Konicke
Agency San Elijo Joint Powers Authority
Phone 760-753-6203 **Fax**
email
Address 2695 Manchester Avenue
City Cardiff By the Sea **State** CA **Zip** 92007

Project Location

County San Diego
City Encinitas
Region
Lat / Long 33° 01' 00.20" N / 117° 15' 25.3" W
Cross Streets Manchester Avenue, Paseo De Las Flores, Requeza Street, Carol View Drive
Parcel No. 2610101302
Township **Range** **Section** **Base**

Proximity to:

Highways I-5
Airports
Railways NCTD
Waterways San Elijo Lagoon, Pacific Ocean
Schools Cardiff Elem.
Land Use Public/Semi-Public, Right of Way, Recreation

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Coastal Zone; Flood Plain/Flooding; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Sewer Capacity; Septic System; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Growth Inducing; Landuse; Cumulative Effects; Other Issues

Reviewing Agencies Resources Agency; Department of Fish and Wildlife, Region 5; Department of Parks and Recreation; Department of Water Resources; California Highway Patrol; Caltrans, District 11; Air Resources Board; State Water Resources Control Board, Division of Financial Assistance; State Water Resources Control Board, Division of Water Quality; State Water Resources Control Board, Division of Water Rights; Regional Water Quality Control Board, Region 9; Native American Heritage Commission; Public Utilities Commission

Note: Blanks in data fields result from insufficient information provided by lead agency.

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Reponses to Comments



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State Water Resources Control Board

APR 08 2016

Mike Konicke
San Eljio Joint Powers Authority
2695 Manchester Avenue
Cardiff by the Sea, CA 92007

Governor's Office of Planning & Research

APR 11 2016

STATE CLEARINGHOUSE

Dear Mr. Konicke:

MITIGATED NEGATIVE DECLARATION (MND) FOR SAN ELIJO JOINT POWERS AUTHORITY; RECYCLED WATER PIPELINE AND FACILITIES UPGRADES (PROJECT); SAN DIEGO COUNTY; 2016031051.

We understand that the San Eljio Joint Powers Authority (Authority) is pursuing Clean Water State Revolving Fund (CWSRF) financing for this Project (CWSRF No. C-06-8196-110). As a funding agency and a state agency with jurisdiction by law to preserve, enhance, and restore the quality of California's water resources, the State Water Resources Control Board (State Water Board) is providing the following information on the MND to be prepared for the Project.

The State Water Board, Division of Financial Assistance, is responsible for administering the CWSRF Program. The primary purpose for the CWSRF Program is to implement the Clean Water Act and various state laws by providing financial assistance for wastewater treatment facilities necessary to prevent water pollution, recycle water, correct nonpoint source and storm drainage pollution problems, provide for estuary enhancement, and thereby protect and promote health, safety and welfare of the inhabitants of the state. The CWSRF Program provides low-interest funding equal to one-half of the most recent State General Obligation Bond Rates with a 30-year term. Applications are accepted and processed continuously. Please refer to the State Water Board's CWSRF website at: www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml.

The CWSRF Program is partially funded by the United States Environmental Protection Agency and requires additional "CEQA-Plus" environmental documentation and review. Three enclosures are included that further explain the CWSRF Program environmental review process and the additional federal requirements. For the complete environmental application package please visit: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/srf_forms.shtml. The State Water Board is required to consult directly with agencies responsible for implementing federal environmental laws and regulations. Any environmental issues raised by federal agencies or their representatives will need to be resolved prior to State Water Board approval of a CWSRF financing commitment for the proposed Project. For further information on the CWSRF Program, please contact Mr. Ahmad Kashkoli, at (916) 341-5855.

FELICIA MARCUS, CHAIR | THOMAS HOWARD, EXECUTIVE DIRECTOR

1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | www.waterboards.ca.gov



A-1
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Reponses to Comments

- 2 -

It is important to note that prior to a CWSRF financing commitment, projects are subject to provisions of the Federal Endangered Species Act (ESA), and must obtain Section 7 clearance from the United States Department of the Interior, Fish and Wildlife Service (USFWS), and/or the United States Department of Commerce National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS) for any potential effects to special-status species.

Please be advised that the State Water Board will consult with the USFWS, and/or the NMFS regarding all federal special-status species that the Project has the potential to impact if the Project is to be financed by the CWSRF Program. The Authority will need to identify whether the Project will involve any direct effects from construction activities, or indirect effects such as growth inducement, that may affect federally listed threatened, endangered, or candidate species that are known, or have a potential to occur in the Project site, in the surrounding areas, or in the service area, and to identify applicable conservation measures to reduce such effects.

In addition, CWSRF projects must comply with federal laws pertaining to cultural resources, specifically Section 106 of the National Historic Preservation Act (Section 106). The State Water Board has responsibility for ensuring compliance with Section 106, and must consult directly with the California State Historic Preservation Officer (SHPO). SHPO consultation is initiated when sufficient information is provided by the CWSRF applicant. If the Authority decides to pursue CWSRF financing, please retain a consultant that meets the Secretary of the Interior's Professional Qualifications Standards (http://www.nps.gov/history/local-law/arch_stnds_9.htm) to prepare a Section 106 compliance report.

Note that the Authority will need to identify the Area of Potential Effects (APE), including construction and staging areas, and the depth of any excavation. The APE is three-dimensional and includes all areas that may be affected by the Project. The APE includes the surface area and extends below ground to the depth of any Project excavations. The records search request should extend to a 1/2-mile beyond Project APE. The appropriate area varies for different projects but should be drawn large enough to provide information on what types of sites may exist in the vicinity.

Other federal environmental requirements pertinent to the Project under the CWSRF Program include the following (for a complete list of all federal requirements please visit: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srff/docs/forms/application_environmental_package.pdf):

- A. An alternative analysis discussing environmental impacts of the Project in either the CEQA document (Negative Declaration, Mitigated Negative Declaration or Environmental Impact Report) or in a separate report.
- B. Compliance with the Federal Clean Air Act: (a) Provide air quality studies that may have been done for the Project; and (b) if the Project is in a nonattainment area or attainment area subject to a maintenance plan; (i) provide a summary of the estimated emissions (in tons per year) that are expected from both the construction and operation of the Project for each federal criteria pollutant in a nonattainment or maintenance area, and indicate if the nonattainment designation is moderate, serious, or severe (if applicable); (ii) if emissions are above the federal de minimis levels, but the Project is sized to meet only the needs of current population projections that are used in the approved State Implementation Plan for air quality, quantitatively indicate how the proposed capacity increase was calculated using population projections.

A-1
Cont.

Reponses to Comments

- 3 -

- C. Compliance with the Coastal Zone Management Act: Identify whether the Project is within a coastal zone and the status of any coordination with the California Coastal Commission.
- D. Protection of Wetlands: Identify any portion of the proposed Project area that should be evaluated for wetlands or United States waters delineation by the United States Army Corps of Engineers (USACE), or requires a permit from the USACE, and identify the status of coordination with the USACE.
- E. Compliance with the Farmland Protection Policy Act: Identify whether the Project will result in the conversion of farmland. State the status of farmland (Prime, Unique, or Local and Statewide Importance) in the Project area and determine if this area is under a Williamson Act Contract.
- F. Compliance with the Migratory Bird Treaty Act: List any birds protected under this act that may be impacted by the Project and identify conservation measures to minimize impacts.
- G. Compliance with the Flood Plain Management Act: Identify whether or not the Project is in a Flood Management Zone and include a copy of the Federal Emergency Management Agency flood zone maps for the area.
- H. Compliance with the Wild and Scenic Rivers Act: Identify whether or not any Wild and Scenic Rivers would be potentially impacted by the Project and include conservation measures to minimize such impacts.

Following are specific comments on the Authority's draft MND:

- 1. Be advised that the State Water Board will conduct consultation with the United States Fish and Wildlife Service under section 7 of the ESA for impacts to coastal California gnatcatcher and least Bell's vireo habitat.
- 2. Section 3.4, beginning on page 40, mentions possible direct impacts that could occur to special status species, but indirect impacts are not explicitly discussed, especially in regards to coastal California gnatcatchers, least Bell's vireo, and other nesting bird species. Please provide a discussion on what indirect impacts to special status species could occur as a result of the Project.
- 3. Have protocol level surveys been conducted for the coastal California gnatcatcher and the least Bell's vireo? As critical habitat for the species occurs adjacent to the Project area, it may be wise to conduct a protocol level survey now during nesting season to establish a baseline of presence. This would assist in the above mentioned Section 7 consultation.
- 4. Be advised that in order to approve funding the confidential materials, including the SCIC Records Search and the NAHC Sacred Lands Search and tribal Correspondence, from Appendix C will have to be provided.
- 5. What efforts to comply with Assembly Bill 52 have been made for this Project?
- 6. Is there a detailed monitoring plan associated with mitigation measure MM-CUL-1?
- 7. Why does Table 3-3 in Appendix B, on page 35, only analyze the potential to occur adjacent to Project areas and not within the Project areas?
- 8. Please be sure to include an environmental alternative analysis either in the CEQA document or in the technical project report.

A-1
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Reponses to Comments

- 4 -

Please provide us with the following documents applicable to the proposed Project following the Authority's California Environmental Quality Act (CEQA) process: (1) one copy of the draft and final MND, (2) the resolution adopting the MND and making CEQA findings, (3) all comments received during the review period and the Authority's response to those comments, (4) the adopted Mitigation Monitoring and Reporting Program (MMRP), and (5) the Notice of Determination filed with the San Diego County Clerk and the Governor's Office of Planning and Research, State Clearinghouse. In addition, we would appreciate notices of any hearings or meetings held regarding environmental review of any projects to be funded by the State Water Board.

Thank you for the opportunity to review the Authority's draft MND. If you have any questions or concerns, please feel free to contact me at (916) 341 5686, or by email at Amanda.Dwyer@waterboards.ca.gov, or contact Ahmad Kashkoli at (916) 341-5855, or by email at Ahmad.Kashkoli@waterboards.ca.gov.

Sincerely,



Amanda Dwyer
Environmental Scientist

Enclosures (3)

1. Clean Water State Revolving Fund Environmental Review Requirements
2. Quick Reference Guide to CEQA Requirements for State Revolving Fund Loans
3. Basic Criteria for Cultural Resources Reports

cc: State Clearinghouse
(Re: SCH# 2016031051)
P.O. Box 3044
Sacramento, CA 95812-3044

A-1
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Response to Comment Letter A

State Clearinghouse
Scott Morgan, Director
April 18, 2016

A-1 This comment letter indicates that San Elijo Joint Powers Authority (SEJPA) has complied with the public review requirements for the Recycled Water Pipelines and Facilities Upgrades Mitigated Negative Declaration (MND), pursuant to the California Environmental Quality Act (CEQA).

This comment letter includes a letter from the State Water Resources Control Board that was received separately. Responses to this letter are found below under Comment Letter C.

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STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY

EDMUND G. BROWN Jr., Governor

DEPARTMENT OF TRANSPORTATION

DISTRICT 11
PLANNING DIVISION
4050 TAYLOR STREET, M.S. 240
SAN DIEGO, CA 92110
PHONE (619) 688-6960
FAX (619) 688-4299
TTY 711



*Serious drought.
Help save water!*

April 11, 2016

11-SD-5
PM R37.38
Recycled Water Pipeline and Facility Upgrades
DMND / SCH#2016031051

Mr. Mike Konicke
San Elijo Joint Powers Authority
2695 Manchester Ave.
Cardiff by the Sea, CA 92007

Dear Mr. Konicke:

The California Department of Transportation (Caltrans) received a copy of the Draft Mitigated Negative Declaration (MND) for the proposed Recycled Water Pipeline and Facility Upgrades Project located near Interstate 5 (I-5). Caltrans has the following comments:

Carol View Drive Component

- There is a conflict between the exiting recycled water line adjacent to Carol View Drive and a proposed retaining wall and bike trail as part of the I-5 North Coast Corridor project. Previous coordination between Caltrans and the San Elijo Joint Powers Authority produced the plan described in the MND report. The recycled water pipeline will be temporarily relocated within Caltrans Right-of-Way (R/W) while the retaining wall for the bike trail is constructed. When the retaining wall and a portion of the bike train is completed the recycled water pipeline will be relocated back to a location under the bike train. The construction of the retaining wall can be begin as early as the beginning of 2017. It is therefore essential that SEJPA produce plans for the Recycled Water pipeline relocation by the end of June 2016, so that we can integrate those plans into the Caltrans project.

B-1

Manchester Avenue Component

- A portion of a recycled water pipeline within CT R/W will require relocation due to the widening of I-5. The plans for the Caltrans widening (11-2T1724, PID 1100020362) already include the relocation of this recycled water pipeline. No further action is required.

B-2

Any work performed within Caltrans R/W will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans R/W prior to construction. As part of the encroachment permit process, the applicant must provide an

B-3

*"Provide a safe, sustainable, integrated and efficient transportation system
to enhance California's economy and livability"*

Reponses to Comments

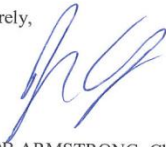
Mr. Mike Konicke
April 11, 2016
Page 2

approved final environmental document including the California Environmental Quality Act (CEQA) determination addressing any environmental impacts with the Caltrans' R/W, and any corresponding technical studies. Please see Section 600 of the Encroachment Permits Manual for requirements regarding utilities and state R/W:

http://www.dot.ca.gov/hq/traffops/developserv/permits/pdf/manual/Chapter_6.pdf

If you have any questions, please contact Kimberly Dodson, of the Caltrans Development Review Branch, at (619) 688-2510 or by e-mail sent to kimberly.dodson@dot.ca.gov.

Sincerely,



JACOB ARMSTRONG, Chief
Development Review Branch

↑
B-3
Cont.

*"Provide a safe, sustainable, integrated and efficient transportation system
to enhance California's economy and livability"*

Response to Comment Letter B

Caltrans, District 11
Jacob Armstrong, Chief
April 11, 2016

- B-1** Comment noted. SEJPA is aware of the North Coast Corridor project and is coordinating with Caltrans on the North Coast Corridor project to ensure maximum compatibility and integration.
- B-2** The comment regarding the Manchester Avenue component is noted. SEJPA will continue coordination with Caltrans on the North Coast Corridor projects. This comment does not raise any specific environmental issues regarding the adequacy of the MND.
- B-3** SEJPA would comply with necessary review and obtain required permits for any work within the Caltrans right of way. This comment does not raise any specific environmental issues regarding the adequacy of the MND.

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RECEIVED
SAN ELIJO
JOINT POWERS AUTHORITY
2016 APR 12 AM 7:55



State Water Resources Control Board

APR 08 2016

Mike Konicke
San Elijo Joint Powers Authority
2695 Manchester Avenue
Cardiff by the Sea, CA 92007

Dear Mr. Konicke:

MITIGATED NEGATIVE DECLARATION (MND) FOR SAN ELIJO JOINT POWERS AUTHORITY; RECYCLED WATER PIPELINE AND FACILITIES UPGRADES (PROJECT); SAN DIEGO COUNTY; 2016031051.

We understand that the San Elijo Joint Powers Authority (Authority) is pursuing Clean Water State Revolving Fund (CWSRF) financing for this Project (CWSRF No. C-06-8196-110). As a funding agency and a state agency with jurisdiction by law to preserve, enhance, and restore the quality of California's water resources, the State Water Resources Control Board (State Water Board) is providing the following information on the MND to be prepared for the Project.

The State Water Board, Division of Financial Assistance, is responsible for administering the CWSRF Program. The primary purpose for the CWSRF Program is to implement the Clean Water Act and various state laws by providing financial assistance for wastewater treatment facilities necessary to prevent water pollution, recycle water, correct nonpoint source and storm drainage pollution problems, provide for estuary enhancement, and thereby protect and promote health, safety and welfare of the inhabitants of the state. The CWSRF Program provides low-interest funding equal to one-half of the most recent State General Obligation Bond Rates with a 30-year term. Applications are accepted and processed continuously. Please refer to the State Water Board's CWSRF website at: www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml.

The CWSRF Program is partially funded by the United States Environmental Protection Agency and requires additional "CEQA-Plus" environmental documentation and review. Three enclosures are included that further explain the CWSRF Program environmental review process and the additional federal requirements. For the complete environmental application package please visit: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/srf_forms.shtml. The State Water Board is required to consult directly with agencies responsible for implementing federal environmental laws and regulations. Any environmental issues raised by federal agencies or their representatives will need to be resolved prior to State Water Board approval of a CWSRF financing commitment for the proposed Project. For further information on the CWSRF Program, please contact Mr. Ahmad Kashkoli, at (916) 341-5855.

C-1

FELICIA MARCUS, CHAIR | THOMAS HOWARD, EXECUTIVE DIRECTOR

1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | www.waterboards.ca.gov



Reponses to Comments

- 2 -

It is important to note that prior to a CWSRF financing commitment, projects are subject to provisions of the Federal Endangered Species Act (ESA), and must obtain Section 7 clearance from the United States Department of the Interior, Fish and Wildlife Service (USFWS), and/or the United States Department of Commerce National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS) for any potential effects to special-status species.

Please be advised that the State Water Board will consult with the USFWS, and/or the NMFS regarding all federal special-status species that the Project has the potential to impact if the Project is to be financed by the CWSRF Program. The Authority will need to identify whether the Project will involve any direct effects from construction activities, or indirect effects such as growth inducement, that may affect federally listed threatened, endangered, or candidate species that are known, or have a potential to occur in the Project site, in the surrounding areas, or in the service area, and to identify applicable conservation measures to reduce such effects.

In addition, CWSRF projects must comply with federal laws pertaining to cultural resources, specifically Section 106 of the National Historic Preservation Act (Section 106). The State Water Board has responsibility for ensuring compliance with Section 106, and must consult directly with the California State Historic Preservation Officer (SHPO). SHPO consultation is initiated when sufficient information is provided by the CWSRF applicant. If the Authority decides to pursue CWSRF financing, please retain a consultant that meets the Secretary of the Interior's Professional Qualifications Standards (http://www.nps.gov/history/local-law/arch_stnds_9.htm) to prepare a Section 106 compliance report.

Note that the Authority will need to identify the Area of Potential Effects (APE), including construction and staging areas, and the depth of any excavation. The APE is three-dimensional and includes all areas that may be affected by the Project. The APE includes the surface area and extends below ground to the depth of any Project excavations. The records search request should extend to a ½-mile beyond Project APE. The appropriate area varies for different projects but should be drawn large enough to provide information on what types of sites may exist in the vicinity.

Other federal environmental requirements pertinent to the Project under the CWSRF Program include the following (for a complete list of all federal requirements please visit: http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/docs/forms/application_environmental_package.pdf):

- A. An alternative analysis discussing environmental impacts of the Project in either the CEQA document (Negative Declaration, Mitigated Negative Declaration or Environmental Impact Report) or in a separate report.
- B. Compliance with the Federal Clean Air Act: (a) Provide air quality studies that may have been done for the Project; and (b) if the Project is in a nonattainment area or attainment area subject to a maintenance plan; (i) provide a summary of the estimated emissions (in tons per year) that are expected from both the construction and operation of the Project for each federal criteria pollutant in a nonattainment or maintenance area, and indicate if the nonattainment designation is moderate, serious, or severe (if applicable); (ii) if emissions are above the federal de minimis levels, but the Project is sized to meet only the needs of current population projections that are used in the approved State Implementation Plan for air quality, quantitatively indicate how the proposed capacity increase was calculated using population projections.

C-1
Cont.

Reponses to Comments

- C. Compliance with the Coastal Zone Management Act: Identify whether the Project is within a coastal zone and the status of any coordination with the California Coastal Commission.
- D. Protection of Wetlands: Identify any portion of the proposed Project area that should be evaluated for wetlands or United States waters delineation by the United States Army Corps of Engineers (USACE), or requires a permit from the USACE, and identify the status of coordination with the USACE.
- E. Compliance with the Farmland Protection Policy Act: Identify whether the Project will result in the conversion of farmland. State the status of farmland (Prime, Unique, or Local and Statewide Importance) in the Project area and determine if this area is under a Williamson Act Contract.
- F. Compliance with the Migratory Bird Treaty Act: List any birds protected under this act that may be impacted by the Project and identify conservation measures to minimize impacts.
- G. Compliance with the Flood Plain Management Act: Identify whether or not the Project is in a Flood Management Zone and include a copy of the Federal Emergency Management Agency flood zone maps for the area.
- H. Compliance with the Wild and Scenic Rivers Act: Identify whether or not any Wild and Scenic Rivers would be potentially impacted by the Project and include conservation measures to minimize such impacts.

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C-1
Cont.

Following are specific comments on the Authority's draft MND:

- 1. Be advised that the State Water Board will conduct consultation with the United States Fish and Wildlife Service under section 7 of the ESA for impacts to coastal California gnatcatcher and least Bell's vireo habitat.
- 2. Section 3.4, beginning on page 40, mentions possible direct impacts that could occur to special status species, but indirect impacts are not explicitly discussed, especially in regards to coastal California gnatcatchers, least Bell's vireo, and other nesting bird species. Please provide a discussion on what indirect impacts to special status species could occur as a result of the Project.
- 3. Have protocol level surveys been conducted for the coastal California gnatcatcher and the least Bell's vireo? As critical habitat for the species occurs adjacent to the Project area, it may be wise to conduct a protocol level survey now during nesting season to establish a baseline of presence. This would assist in the above mentioned Section 7 consultation.
- 4. Be advised that in order to approve funding the confidential materials, including the SCIC Records Search and the NAHC Sacred Lands Search and tribal Correspondence, from Appendix C will have to be provided.
- 5. What efforts to comply with Assembly Bill 52 have been made for this Project?
- 6. Is there a detailed monitoring plan associated with mitigation measure MM-CUL-1?
- 7. Why does Table 3-3 in Appendix B, on page 35, only analyze the potential to occur adjacent to Project areas and not within the Project areas?
- 8. Please be sure to include an environmental alternative analysis either in the CEQA document or in the technical project report.

C-2
C-3
C-4
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C-8
C-9

Reponses to Comments

- 4 -

Please provide us with the following documents applicable to the proposed Project following the Authority's California Environmental Quality Act (CEQA) process: (1) one copy of the draft and final MND, (2) the resolution adopting the MND and making CEQA findings, (3) all comments received during the review period and the Authority's response to those comments, (4) the adopted Mitigation Monitoring and Reporting Program (MMRP), and (5) the Notice of Determination filed with the San Diego County Clerk and the Governor's Office of Planning and Research, State Clearinghouse. In addition, we would appreciate notices of any hearings or meetings held regarding environmental review of any projects to be funded by the State Water Board.

Thank you for the opportunity to review the Authority's draft MND. If you have any questions or concerns, please feel free to contact me at (916) 341 5686, or by email at Amanda.Dwyer@waterboards.ca.gov, or contact Ahmad Kashkoli at (916) 341-5855, or by email at Ahmad.Kashkoli@waterboards.ca.gov.

Sincerely,



Amanda Dwyer
Environmental Scientist

Enclosures (3)

1. Clean Water State Revolving Fund Environmental Review Requirements
2. Quick Reference Guide to CEQA Requirements for State Revolving Fund Loans
3. Basic Criteria for Cultural Resources Reports

cc: State Clearinghouse
(Re: SCH# 2016031051)
P.O. Box 3044
Sacramento, CA 95812-3044

C-10

Response to Comment Letter C

State Water Resources Control Board
Amanda Dwyer, Environmental Scientist
April 8, 2016

C-1 As stated in the MND, SEJPA is pursuing Clean Water State Revolving Fund (SRF) financing for the proposed project. SEJPA appreciates the State Water Resources Control Board's (SWRCB) letter that outlines the requirements and other information regarding this program. SEJPA will continue to coordinate with the SWRCB to ensure proper submittal of required documentation.

C-2 SEJPA understands that the SWRCB must address federally listed species. However, as described in C-4, it is important to note that SEJPA would not directly impact suitable habitat for coastal California gnatcatcher or least Bell's vireo. Additionally, mitigation measures to avoid indirect impacts are provided.

C-3 As stated in Section 3.4, Biological Resources, response (a), of the MND, potential indirect effects to special-status species (which can include coastal California gnatcatcher, least Bell's vireo, and other nesting birds, depending on the project component) may result from construction-related noise, use of pesticides, changes in hydrology, and generation of fugitive dust. Section 3.4 of the MND also describes how compliance with existing regulations and incorporation of proposed mitigation measures would reduce impacts to less than significant.

Section 3.4 has been revised to further clarify the potential impacts that may result from construction activities. SEJPA has made revisions and clarifications to the MND. These revisions to the MND are presented in ~~strikeout~~underline format. To the extent these changes and additions to the MND provide new information that may clarify or amplify information already found in the MND, and do not raise important new issues about significant effects on the environment, such changes are insignificant as the term is used in Section 15088.5(b) of the CEQA Guidelines.

C-4 No protocol-level focused surveys for California gnatcatcher or least Bell's vireo were conducted because there would be no direct impacts to their suitable habitat. Indirect impacts would be avoided through implementation of mitigation measures.

As described in the *Biological Resources Technical Report for the Recycled Water Pipeline and Facility Upgrades*, which is Appendix B of the MND, no direct impacts to suitable habitat for coastal California gnatcatcher or least Bell's vireo are proposed. Direct impacts to suitable habitat for California gnatcatcher and least Bell's vireo during construction would be avoided through the implementation of mitigation

Reponses to Comments

measures because they require the project biologist to conduct a Worker Environmental Awareness Program (WEAP) for the contractor to ensure compliance with the mitigation measures. MM-BIO-1 includes demarcation of the suitable habitat for the California gnatcatcher and least Bell's vireo prior to construction using highly visible materials in the field. Training, MM-BIO-2, would aid in enforcing the requirements that construction must be restricted to designated areas and these species and their habitat must be avoided. Also, MM-BIO-3 requires pre-construction nesting bird surveys during the nesting bird season to assess the presence or absence of the nesting birds, including California gnatcatcher and least Bell's vireo. The project biologist shall conduct pre-construction surveys in the proposed project impact area and a 500-foot buffer around the impact area no earlier than 7 days prior to any on-site grading and construction activities that would occur during the nesting/breeding season of California gnatcatcher and least Bell's vireo. The purpose of the pre-construction surveys would be to determine whether occupied nests are present within 500 feet of the impact zone boundary. If occupied nests are found, then limits of construction to avoid occupied nests shall be established by the project biologist in the field with flagging, fencing, or other appropriate barriers (e.g., 250 to 500 feet) and construction personnel shall be instructed on the sensitivity of nest areas. The project biologist shall serve as a weekly construction monitor during those periods when construction activities are to occur near active nest areas (i.e., within 100 feet of setback) to avoid inadvertent impacts to these nests. The project biologist may adjust the 250-foot or 500-foot setback at his or her discretion depending on the species and the location of the nest (e.g., if the nest is well protected in an area buffered by dense vegetation). Once the nest is no longer occupied for the season, construction may proceed.

Indirect impacts such as construction-related noise could interfere with breeding and nesting behavior of California gnatcatcher and least Bell's vireo. Increased dust could affect these species. However, the construction-related indirect impacts would be avoided, minimized, and mitigated to less-than-significant levels with incorporation of the mitigation measures. Additionally, MM-BIO-1 (environmental awareness training) would aid in enforcing the requirements cited in Table 4-1 of Appendix B; MM-BIO-3 (pre-construction surveys and avoidance and minimization measures) requires buffers to nesting birds, which would also reduce indirect impacts during construction, such as fugitive dust and construction-related noise.

Construction-related indirect impacts to California gnatcatcher and least Bell's vireo would be less than significant with incorporation of mitigation measures MM-BIO-1 through MM-BIO-3 and compliance with US EPA, the Department of Pesticide Regulation, and SWRCB regulations as discussed in Section 3.4, Biological Resources, of the MND.

Reponses to Comments

As described in Section 3.4, Biological Resources, long-term indirect impacts to coastal California gnatcatcher and least Bell's vireo are anticipated to be insignificant because the proposed project is located on (1) an existing wastewater treatment facility operated by day-time staff, (2) existing roads, and (3) an existing trail. Typical project-related indirect impacts, such as increased human activity and increased vehicle collisions, are not anticipated because the capacity and number of operational staff would not change as a result of the proposed project. Nighttime lighting for project operations is not required for this proposed project; therefore, wildlife species would not be affected by nighttime light pollution. The proposed project does not include new landscaping; therefore, indirect impacts from the invasion of newly introduced non-native plants that may alter the composition of habitat for species would not occur. Outdoor trash receptacles are not necessary for the proposed project; therefore, no increase in urban-related species through food waste would occur during project operations. The proposed project does not require the use of anticoagulants for rodent control; therefore, the secondary poisoning of wildlife by anticoagulants would not occur from implementing the proposed project.

Overall, operationally related impacts to California gnatcatcher or least Bell's vireo would be less than significant through compliance with US EPA, the Department of Pesticide Regulation, and SWRCB regulations, as determined in Section 3.4, Biological Resources, of the MND.

- C-5** SEJPA will provide all necessary documents to the SWRCB for the SRF financing program, including the confidential cultural appendices. This comment does not raise any specific environmental issues regarding the adequacy of the MND.
- C-6** SEJPA has not been contacted by any Native American tribes requesting formal consultation under Assembly Bill 52. As such, SEJPA is in compliance with Assembly Bill 52. This comment does not raise any specific environmental issues regarding the adequacy of the MND.
- C-7** An overall cultural monitoring plan has been prepared and is included as a supplement to the Mitigation Monitoring and Reporting Program. The included cultural monitoring plan does not alter the significance determination found in the MND and does not result in any new or greater impacts than disclosed in the MND. To the extent these changes and additions to the MND provide new information that may clarify or amplify information already found in the MND, and do not raise important new issues about significant effects on the environment, such changes are insignificant as the term is used in Section 15088.5(b) of the CEQA Guidelines.
- C-8** The proposed project areas are limited to urban/developed and disturbed habitat; none of which are suitable habitat for special-status species. Thus, Table 3-3 of Appendix

Reponses to Comments

- B analyzes special-status wildlife species that could occur adjacent to the projects in order to assess potential indirect impacts to special-status species.
- C-9** The requested alternative analysis will be provided in the SRF package under a separate cover. It should be noted that an alternatives analysis was not included in the MND as it is not required pursuant to the CEQA Guidelines. This comment does not raise any specific environmental issues regarding the adequacy of the MND.
- C-10** SEJPA will continue to coordinate with the SWRCB to ensure proper submittal of required documentation.

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

May 9, 2016

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: ENCINITAS RANCH RECYCLED WATER EXPANSION PROJECT

RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve project concept;
2. Direct Staff to obtain engineering proposals to complete the project design and obtain permits; and
3. Discuss and take action as appropriate.

BACKGROUND

The State of California is in a serious drought and over the last several years the State Water Board has mandated reductions in potable water use. In response, the San Elijo Joint Powers Authority (SEJPA) is working with the cities of Encinitas and Solana Beach, the San Dieguito Water District, Santa Fe Irrigation District, and the Olivenhain Municipal Water District to reduce potable water consumption through the use of recycled water, where applicable. The project partners are collaborating on a variety of opportunities to develop recycled water and reuse projects in North County San Diego.

As part of these efforts, the SEJPA successfully led a grant pursuit of Round 4, Proposition 84 Integrated Regional Water Management (IRWM) funding. Through a competitive selection process, the SEJPA and its partners were awarded \$2.5 million for the *101 Conservation Project*. The final award decision was given by the State in January 2016 and the SEJPA is currently awaiting the grant agreement. However, the SEJPA and its project partners have approval to proceed with project activity and incur reimbursable costs.

The Conservation 101 Project is focused on water quality, potable water conservation through recycled water, and education. Project elements include storm water improvements on Highway 101 in downtown Encinitas and at the San Elijo Water Reclamation Facility, recycled water pipeline extensions in Encinitas and Solana Beach, and San Elijo Lagoon water quality monitoring and educational outreach program. One pipeline project is already under construction in Solana Beach on Via De La Valle that will supply recycled water to the

businesses and homeowner's associations, street landscaping, and the Coastal Rail Trail. Other significant components include extending recycled water service to Mira Costa College and to the Encinitas Ranch area. The project goal is to offset more than 32 million gallons (or 100 acre-feet) per year of potable water use.

DISCUSSION

Since 2015, the SEJPA and the San Dieguito Water District have been in discussions with the Encinitas Ranch Community Association (ERCA) and neighboring sites to convert existing landscape and agricultural irrigation to recycled water. These meetings resulted in the proposed Encinitas Ranch Recycled Water Expansion project. It is designed to serve two private agricultural users, the City of Encinitas park trail system, and the Encinitas Ranch Community Association (ERCA). The anticipated potable water offset for this project is approximately 45 Acre Feet per Year (AFY).



Figure 1 - Proposed pipeline alignment

The proposed project includes installing approximately 1.5 miles of small diameter (4-inch to 6-inch) recycled water pipe and a small booster pump station. The SEJPA is in discussions with the project customers to negotiate a cost sharing agreement for the booster pump station. These discussions have been constructive and draft agreement terms have been developed. A preliminary location for the pump station has been selected at the Encinitas Ranch Golf Course that minimizes cost, is discrete from view, and provides suitable access for maintenance. The Encinitas Ranch Golf Authority (ERGA) has expressed a willingness to negotiate an easement for the pump station. Staff will present the draft terms of the negotiations for both the cost sharing agreement and pump station easement to the Board of Directors in the closed session of the Board meeting.

FINANCIAL IMPACT

The anticipated cost of the Encinitas Ranch Recycled Water Expansion Project is \$1.16 million. As noted, the SEJPA has secured a \$2.5 million IRWM grant for the 101 Conservation Project, which includes the Encinitas Ranch project. Of the total grant award, Encinitas Ranch is targeted to receive approximately \$525,000. Furthermore, the SEJPA and the project participants have discussed cost sharing of \$150,000 for the booster pump station.

Table 1 - Encinitas Ranch Pipeline Expansion Project Budget

Project Element	Budget
Engineering, Permitting, Administration & Legal	\$120,000
Grant Administration	30,000
Construction Management	60,000
Construction	760,000
Contingency (20%)	194,000
TOTAL	1,164,000
Grant Funding	-525,000
Cost Sharing (Booster Pump Station)	-150,000
Net Expense	\$489,000

The SEJPA is pursuing a low-interest State Revolving Fund (SRF) loan for Recycled Water Infrastructure, which a portion of the loan can fund the remaining cost of the project. Assuming a principle loan amount of \$489,000, interest rate of 2%, and term of 30 years, the debt service annual payment would be \$21,834. The estimated operational annual expense (2015 dollars) is \$30,750. Combining the operational and debt service results in an annual expense of \$52,584. Recycled water revenues from the proposed project are estimated at \$75,000 (which include CWA and MWD incentives). Based on revenue and expense projections, the project creates revenues that are in excess of expenditures.

Revenues from the project that exceed expenditures can contribute to the Recycled Water Program repair and replacement needs. As shown in Figure 2, Project Financial Forecast, revenues are projected to outpace expenditure, allowing for annual contributions to repair and replacement (R&R) funding. The Financial Forecast assumes O&M expenses and future recycled water pricing both escalate at 4% annually.

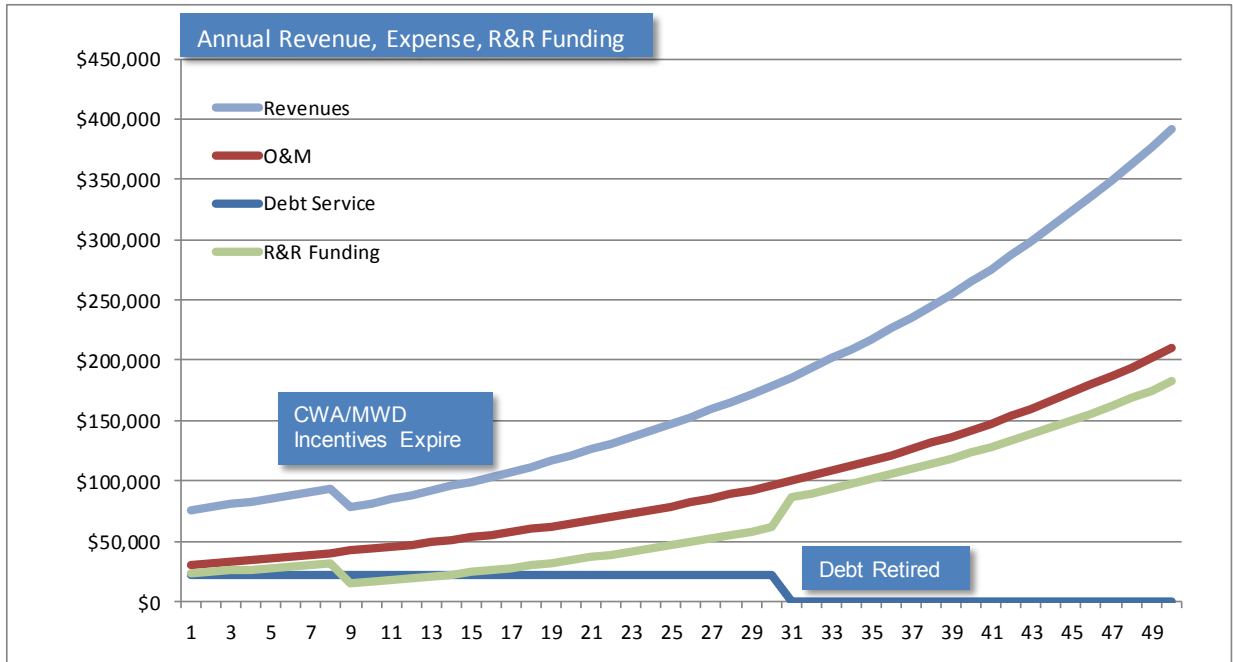


Figure 2 - Project Financial Forecast

In developing the Project Financial Forecast, system repair expenses were considered in order to understand the potential impact to the financial viability of the proposed project. As timing of system repairs can be random, the Financial Forecast assumed a total cumulative cost impact of \$250,000 (low end) and \$1,000,000 (high end), occurring from year 20 though year 50. The impact of this expense does not compromise the financial viability of the project. As shown in Figure 3, Repair and Replacement Funding Forecast, R&R funding reaches \$1 million between years 31 and 40 of the project.

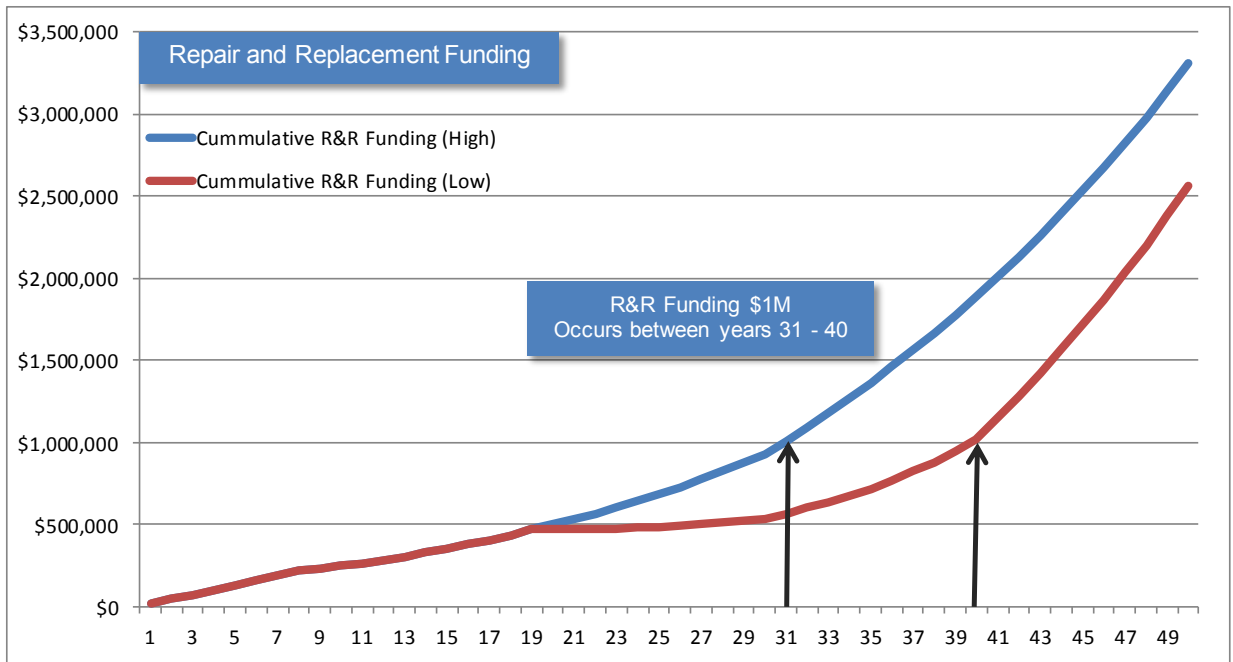


Figure 3 - Repair and Replacement Forecast

Based on the financial analysis, the project is cash flow positive and will contribute to the overall financial strength of the recycled water program.

It is therefore recommended that the Board of Directors:

1. Approve project concept;
2. Direct Staff to obtain engineering proposals to complete the project design and obtain permits; and
3. Discuss and take action as appropriate.

Respectfully submitted,

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

Michael T. Thornton, P.E.
General Manager