

AGENDA
SAN ELIJO JOINT POWERS AUTHORITY
MONDAY FEBRUARY 14, 2011 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
 - California Water Environment Association (CWEA), San Diego Section
– Safety Award, 1-25 Employees
 - California Sanitation Risk Management Authority (CSRMA)
– Safety Superstar Award 2009-10
6. * **CONSENT CALENDAR**
7. * APPROVAL OF MINUTES FOR THE JANUARY 10, 2011 MEETING
8. * APPROVAL FOR PAYMENT OF WARRANTS AND MONTHLY INVESTMENT REPORTS
9. * SAN ELIJO WATER RECLAMATION FACILITY TREATED EFFLUENT FLOWS – MONTHLY REPORT
10. * SAN ELIJO JOINT POWERS AUTHORITY RECYCLED WATER PROGRAM – MONTHLY REPORT
11. * ITEMS REMOVED FROM CONSENT CALENDAR

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

REGULAR AGENDA

12. **SAN ELIJO OCEAN OUTFALL 2010 ANNUAL INSPECTION REPORT**

It is recommended that the Board of Directors:

1. Accept and File the San Elijo Ocean Outfall Year 2010 Annual Inspection Report prepared by Merkel & Associates, Inc.; and
2. Discuss and take action as appropriate.

Staff Reference: General Manager Michael Thornton

13. **ACCEPT AND FILE - FINAL DESIGN PLANS AND SPECIFICATIONS FOR THE ELECTRICAL UPGRADES PROJECT AT THE SAN ELIJO WATER RECLAMATION FACILITY**

It is recommended that the Board of Directors:

1. Accept and File the Final Design Plans and Specifications for the Electrical Upgrades Project for the San Elijo Water Reclamation Facility prepared by CDM, Inc.;
2. Authorize the General Manager to Publicly Advertise and Bid the Construction Contract; and
3. Discuss and take action as appropriate.

Staff Reference: General Manager Michael Thornton

14. **ADOPT THE PROPOSED MITIGATED NEGATIVE DECLARATION FOR THE RECYCLED WATER DEMINERALIZATION PROJECT**

It is recommended that the Board of Directors:

1. Approve Resolution 2011-06, A Resolution of the Board of Directors of the San Elijo Joint Powers Authority Adopting the Final Initial Study/Mitigated Negative Declaration, the Mitigation Monitoring and Reporting Plan, and the CEQA Findings of Fact for the SEJPA Recycled Water Project; and
2. Discuss and take action as appropriate.

Staff Reference: General Manager Michael Thornton

15. **SAN ELIJO JOINT POWERS AUTHORITY MID-YEAR REVIEW OF THE FISCAL YEAR 2010-11 OPERATING BUDGET**

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

16. CONSIDER APPROVAL OF AN AGREEMENT FOR JOINT LOBBYING AND COST SHARING BETWEEN THE MEMBERS OF THE NORTH SAN DIEGO COUNTY REGIONAL RECYCLED WATER PROJECT (NSDCRRWP)

It is recommended that the Board of Directors:

1. Authorize the General Manager to Execute Agreement for Joint Lobbying Cost Sharing; and
2. Discuss and take action as appropriate.

Staff Reference: General Manager Michael Thornton

17. GENERAL MANAGER'S REPORT

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

18. GENERAL COUNSEL'S REPORT

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

19. 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.

20. CLOSED SESSION

No Scheduled Closed Session

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".

21. ADJOURNMENT

The next regularly scheduled San Elijo Joint Powers Authority Board Meeting will be March 14, 2011 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: February 9, 2011



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

SAN ELIJO JOINT POWERS AUTHORITY
MINUTES OF THE BOARD MEETING
HELD ON JANUARY 10, 2011
AT THE
SAN ELIJO WATER RECLAMATION FACILITY

Tom Campbell, Chair

Teresa Barth, Vice Chair

A Meeting of the Board of Directors of the San Elijo Joint Powers Authority (SEJPA) was held Monday, January 10, 2011, 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

Chair Houlihan called the meeting to order at 9:00 a.m.

2. ROLL CALL

Directors Present:

Thomas Campbell
Maggie Houlihan
Dave Roberts

Directors Absent:

Teresa Barth

Others Present:

General Manager
Director of Operations
Administrative Assistant
Accounting Technician
Safety/HR Administrator

Michael Thornton
Christopher Trees
Monica Blake
Carrie Cook
Marisa Buckles

SEJPA Counsel:

Procopio, Cory, Hargreaves & Savitch

Greg Moser

City of Encinitas,

Director of Public Works

Larry Watt

City of Solana Beach,

Director of Engineering/Public Works

Mohammad "Mo" Sammak

3. PLEDGE OF ALLEGIANCE

Board Member Roberts led the Pledge of Allegiance.

4. ORAL COMMUNICATIONS

None

5. PRESENTATION OF AWARDS

None

6. CONSENT CALENDAR

Moved by Board Member Roberts and seconded by Vice Chair Campbell to approve the Consent Calendar with the following vote of approval:

AYES:	Campbell, Houlihan, Roberts
NOES:	None
ABSTAIN:	None
ABSENT:	Barth

Consent Calendar:

Agenda Item No. 7	Approval of Minutes for the December 13, 2010 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. ELECTION OF OFFICERS AND SCHEDULE OF BOARD MEETINGS

The General Manager reported that the Member Agencies of the SEJPA have reappointed their existing representatives to the SEJPA Board of Directors. The SEJPA Board needs to now appoint the Chair and Vice Chair of the Board for the 2011 calendar year as well as set the regular meeting schedule.

Moved by Chair Houlihan and seconded by Board Member Roberts that Tom Campbell serve as Chair and Teresa Barth serve as Vice Chair for 2011 and that the regular meeting dates for 2011 will continue on the second Monday of each month, beginning at 9:00 a.m., with no scheduled meeting for August.

Motion carried with the following vote of approval:

AYES:	Campbell, Houlihan, Roberts
NOES:	None
ABSTAIN:	None
ABSENT:	Barth

13. DISCUSSION ON FUNDING OTHER POST EMPLOYMENT BENEFITS

General Manager Michael Thornton provided a brief report on GASB 45, which requires accounting and financial reporting by government employers for postemployment benefits other than pensions. Under GASB 45, the SEJPA is required to perform an actuarial study every three years to calculate the annual required contribution (ARC) liability for the agency's other post employment benefits (OPEB).

The General Manager reported that the SEJPA offers only one benefit that falls under the OPEB criteria. This benefit is for partial medical insurance coverage by the SEJPA for qualifying employees who select CalPERS medical insurance upon retirement. The current cost is approximately \$105 month per retired employee. The total cost paid by the SEJPA last year for this benefit was less than \$4,000.

In June 2008, the SEJPA had an actuarial study performed in accordance with GASB 45 requirements to assess the agency's liability for this benefit. At that time, the estimated unfunded liability was \$98,075, with a projected annual required contribution of \$18,330.

Since the actual costs of the programs are substantially less than the projected cost presented in the first actuarial, staff is recommending a second actuarial be performed to help the Board have clarity on the likely future costs of the program. The next scheduled actuarial is for June 2011.

Moved by Board Member Houlihan and seconded by Board Member Roberts to:

1. Return this item for discussion after the June 30, 2011 actuarial is performed.

Motion carried with the following vote of approval:

AYES:	Campbell, Houlihan, Roberts
NOES:	None
ABSTAIN:	None
ABSENT:	Barth

14. RECOMMENDATION FOR MICROFILTRATION MEMBRANE SYSTEM – RECYCLED WATER DEMINERALIZATION PROJECT

General Manager Michael Thornton reported that the three microfiltration (MF) equipment manufacturers (Pall Corporation, Siemens, and GE) were contacted and proposals were requested from them for the proposed recycled water demineralization project. The proposals were reviewed and evaluated by the SEJPA's consultant, Trussell Technologies. Based on the lowest anticipated capital and operating costs over a 10-year period, Trussell Technologies recommend Pall Corporation as the preferred membrane manufacturer.

SEJPA staff is finalizing the language of the Lease Purchase Agreement that will be brought to the Board for consideration at a future Board meeting.

General Manager Michael Thornton stated that he owns 150 shares of Pall Corporation stock. Legal Counsel Greg Moser was asked to review and advise if there is a conflict of interest.

Moved by Board Member Roberts and seconded by Board Member Houlihan to:

1. Award Microfiltration Membrane Selection for the San Elijo Water Reclamation Demineralization Project to Pall Corporation.

Motion carried with the following vote of approval:

AYES:	Campbell, Houlihan, Roberts
NOES:	None
ABSTAIN:	None
ABSENT:	Barth

15. GENERAL MANAGER'S REPORT

The General Manager Michael Thornton reported on the status of the Marine Life Protection Act (MLPA) initiative and noted that the regulations are expected to take effect in mid 2011.

The General Manager stated that he has been in discussions with the San Dieguito Water District (SDWD) regarding an amendment to the existing recycled water purchase agreement between the districts. Discussions are focusing on changes to the rate structure and on strategies for increasing recycled water use by customers.

The SEJPA is participating in the North San Diego County Regional Recycled Water Project. This is a regional study involving 11 agencies within the north San Diego County focused on expanding recycled water use in the region. A grant for \$1.5 million has been approved for this effort. The group is also proposing to use the Furman Group to pursue the Bureau of Reclamation Title 16 funding for the construction of recycled water infrastructure. Staff will provide more information on this at a future Board meeting.

The General Manager reported that the design and construction documents for the Electrical Upgrade Project are expected to be completed this month. The final design will be presented to the Board in February 2011 for acceptance and authorization to move the project into the construction phase. SEJPA has identified one of the electrical systems is at the end of its life-cycle, thus the project is gaining urgency to move forward quickly.

The General Manager presented a letter to be sent to the City of Escondido from the SEJPA Board of Directors regarding recent peak flows from the City to the San Elijo Ocean Outfall.

16. GENERAL COUNSEL'S REPORT

None

17. BOARD MEMBER COMMENTS

Board Member Roberts inquired about AB 1234 and Form 700 filing as it applies to the SEJPA. Greg Moser advised that AB 1234 does apply, so Board Members need to provide SEJPA with evidence they have completed their biennial training. Additionally, Board Members are required to file Form 700 by April 1st each year in accordance with the conflict of interest code adopted by the SEJPA.

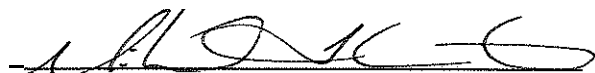
18. CLOSED SESSION

None

19. ADJOURNMENT

The Board of Directors adjourned at 9:32 a.m. The next Board of Directors meeting will be held on February 14, 2011.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

PAYMENT OF WARRANTS

11-02

28-Jan-11

VENDOR	DESCRIPTION OF EXPENSE	AMOUNT
11-02 Warrants		
AG Tech, LLC	Biosolids hauling - December	\$8,349.07
AT&T	Phone service - 12/13/10 - 01/12/11	\$364.60
AT&T	Alarm service - January	\$380.18
AT&T - Eden Garden	Phone service - 12/20/10 - 01/19/11	\$73.08
Arrowhead	Kitchen and lab supplies	\$270.54
Atlas Pumping Service	Grease and scum pumping - December	\$277.44
Atlas Pumping Service	Grease and scum pumping - January	\$1,225.36
Best Best & Krieger	Clean water - state revolving fund loan	\$1,907.00
Buckles, Marisa	Expense report - CA law poster and calculator tape	\$63.05
Brenntag Pacific, Inc.	Sodium hydroxide - odor control	\$1,616.98
CBM	Annual service for boiler #2 - plant	\$481.00
CSRMA	Liability insurance	\$17,732.50
CWEA - TCP	Certificate renewal - C. Larsen	\$86.00
CWEA - San Diego Section	Annual section meeting	\$425.00
California Water Technologies	Ferric chloride - plant	\$5,314.23
City of Encinitas	Planning applications, environmental review exemption	\$1,650.00
Coast Waste Management	Grit and screening - storm drains	\$916.96
Complete Office	Office supplies - January	\$69.88
Cordata Records Mgmt., Inc.	Record storage - December	\$66.57
Covad	T-1 service - December	\$427.22
Covad	T-1 service - January	\$393.11
EDCO	Trash service - December	\$184.01
Fleet Services	Fuel - December, plus fuel for pump stations	\$2,352.48
Grainger, Inc.	Maintenance supplies and tools - plant	\$315.89
Golden State Overnight - GSO	Mailing lab samples	\$97.20
Golden State Overnight - GSO	Mailing compliance reports	\$29.98
Hardy Diagnostics	Broth, brilliant green, ec medium, and bacti - outfall	\$777.34
Heartland Automotive Services	Vehicle maintenance	\$8.53
Hoch, Adam	Mileage, parcel map, and P.E. registration fee	\$295.25
Home Depot	Camera installation, straw tubes, electrical supplies	\$464.62
Horizon Health EAP	EAP - January	\$351.12
Jani-King	Janitorial service - January	\$882.64
Kennedy/Jenks Consultants	Recycled water demineralization - 50% design	\$38,393.68
Konica	Monthly copier maintenance	\$60.08
Lewis, Greg	Expense report - projector stand for board meetings	\$73.75
Marine Taxonomic Services	Ocean offshore monitoring - January - outfall	\$740.00
Mayer Hoffman McCann P.C.	Annual audit of financial statements	\$12,889.00
McMaster-Carr Supply Co.	Stainless steel chain and pipe fitting - plant	\$221.25
McMaster-Carr Supply Co.	Canvas roll-up pouch with pockets - plant	\$21.98
McMaster-Carr Supply Co.	Steel wire rope, steel hinge, and rope clips - wtr rec.	\$405.65
Merkel & Associates	Ocean outfall inspection - outfall	\$26,276.00
Met Life SBC	Dental insurance	\$1,609.05
Miramar Truck Center	Vehicle maintenance	\$240.41
Mutual of Omaha	Life and disability insurance	\$1,659.88
Napa Auto Parts	Vehicle maintenance	\$245.19
OMWD	Manchester - 11/08/10 - 12/08/10	\$32.80
PERS - Health	Health - February	\$16,445.00
PERS - Retirement	Retirement premium - 01/14/11	\$13,867.48
PERS - Retirement	Retirement premium - 01/28/11	\$13,924.50
PERS - Retirement	Indexed level 1959 survivor benefits 2010-2011	\$765.60
Polydyne Inc.	Chemical - plant	\$10,505.25
Preferred Benefit Insurance	Vision insurance - January	\$274.54
Probuild	Repairs, shop and field supplies - December	\$433.99

PAYMENT OF WARRANTS

11-02

28-Jan-11

VENDOR	DESCRIPTION OF EXPENSE	AMOUNT
Procopio, Cory, Hargreaves	Legal service - general - December	\$1,054.50
Rohan & Sons, Inc.	90 day maintenance service - December	\$373.88
SANDPIPA	Bond/crime program 02/01/11 - 02/01/12	\$368.00
SWRCB Fees	Annual permit - storm water	\$1,008.00
Safe Hearing America	Annual hearing test	\$745.50
San Diego Gas and Electric	Gas and electric - 12/07 - 01/06	\$34,316.35
San Diego Gas and Electric	Gas and electric - 12/08 - 01/07 - Cardiff P. S.	\$1,537.18
San Diego Gas and Electric	Gas and electric - 12/08 - 01/07 - Valley	\$1,982.93
San Dieguito Water District	Manchester - 12/01/10 - 12/28/10	\$3,970.53
San Dieguito Water District	Manchester - 12/01/10 - 12/28/10	\$109.59
San Dieguito Water District	Manchester - 12/01/10 - 12/28/10	\$188.27
San Dieguito Water District	Manchester - 12/01/10 - 12/28/10	\$390.59
San Dieguito Water District	Manchester - 12/01/10 - 12/28/10	\$547.95
San Elijo Payroll Account	Payroll - 01/14/11	\$107,461.91
San Elijo Payroll Account	Payroll - 01/28/11	\$76,758.95
Santa Fe Irrigation District	Highland Dr. - 10/14/10 - 12/16/10	\$189.52
Santa Fe Irrigation District	Valley - 11/30/10 - 12/31/10	\$88.95
Santa Fe Irrigation District	Seabright In - 11/02/10 - 01/05/11	\$49.01
Southland Enterprises	Sand pillows - plant and storm drains	\$163.13
Sprint	Cellular phone service, equipment-December-January	\$753.91
Sunbelt Rentals	40' manlift - odor scrubber repair - plant	\$359.71
Terminix	Pest control - January	\$81.00
Terra Renewal, LLC	Biosolids hauling - December	\$4,143.97
Terra Renewal, LLC	Biosolids hauling - December	\$1,050.64
Test America	Lab testing	\$178.00
Thatcher	Aluminum sulfate - water reclamation	\$2,607.92
Underground Service Alert	Dig alert - December	\$102.00
Unifirst Corporation	Uniform service - January	\$303.22
VWR International, Inc.	Culture tubes and filter glass - lab and outfall	\$594.03
VWR International, Inc.	Water reagent - lab and outfall	\$116.33
Valley Chain	Belts - plant	\$192.10
Video Surveillance	Surveillance equipment - plant	\$168.96
Total 11-02 Warrants		<u>\$428,890.44</u>

SAN ELIJO JOINT POWERS AUTHORITY

PAYMENT OF WARRANTS SUMMARY

28-Jan-11

PAYMENT OF WARRANTS		\$428,890.44
Reference Number	11-02	

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.



Gregory Lewis
Director of Finance/Administration
Treasurer

STATEMENT OF FUNDS AVAILABLE FOR PAYMENT OF WARRANTS
AND INVESTMENT INFORMATION
AS OF

28-Jan-11

FUNDS ON DEPOSIT WITH	AMOUNT
LOCAL AGENCY INVESTMENT FUND <i>(DECEMBER 2010 YIELD 0.47%)</i>	
SELF INSURANCE RESERVE	\$ 300,000.00
RESTRICTED SRF RESERVE	\$ 630,000.00
UNRESTRICTED DEPOSITS	\$ 5,522,165.44
 CALIFORNIA BANK AND TRUST <i>(DECEMBER 2010 YIELD 0.10%)</i>	
REGULAR CHECKING	\$ 30,183.30
PAYROLL CHECKING	\$ 5,000.00
 TOTAL RESOURCES	 \$ 6,487,348.74

*

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

February 14, 2011

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 December 2010. The primary indicators of treatment performance include the removal of Carbonaceous Biochemical Oxygen Demand (CBOD) and Total Suspended Solids (TSS). The SEJPA is required to remove a minimum of 85 percent of the CBOD and TSS from the wastewater. Treatment levels for CBOD and TSS were 96.7 percent and 93.7 percent, respectively, for December (as shown in Figure 2 and Figure 3).

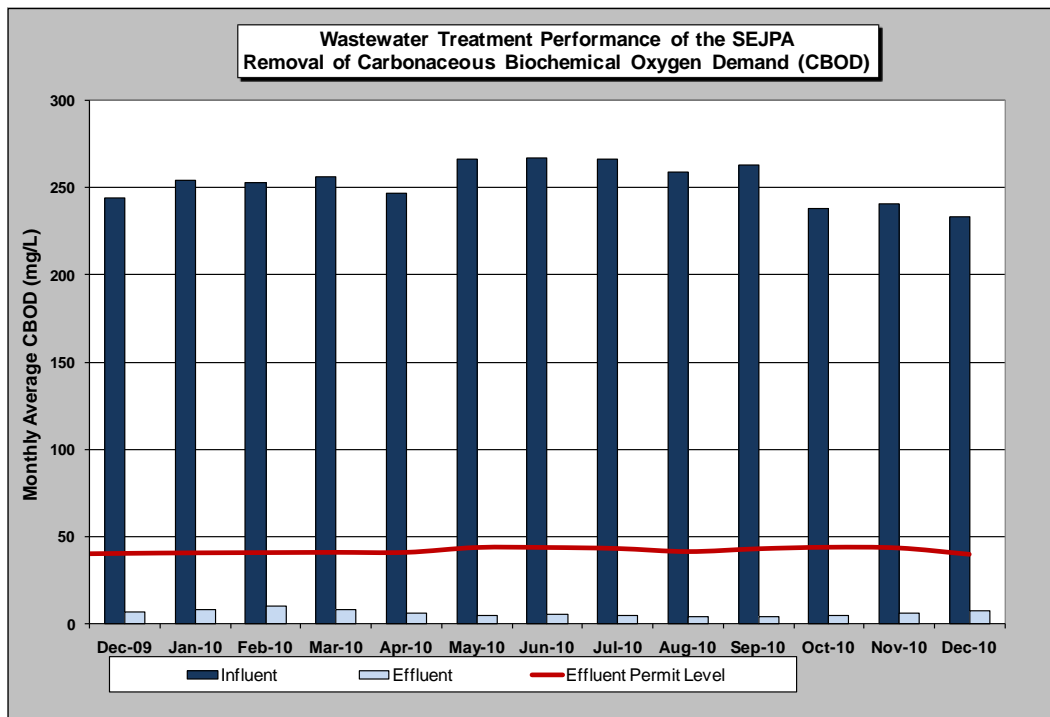


FIGURE 2

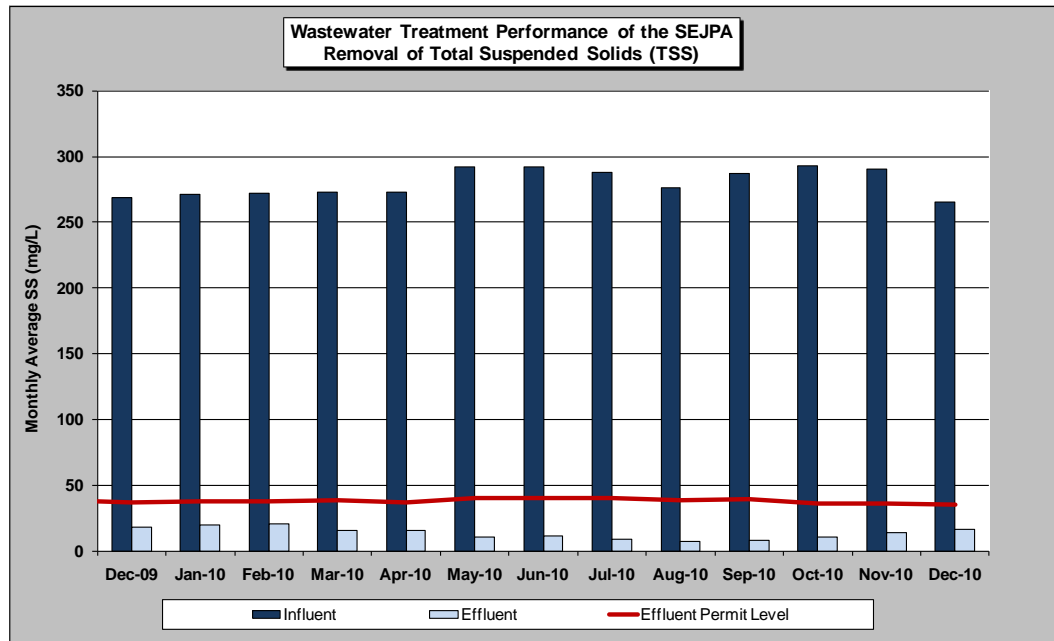


FIGURE 3

As part of the NPDES Ocean Discharge Permit, the SEJPA is required to perform weekly shoreline sampling at seven locations, in addition to monthly near-shore and off-shore sampling around the San Elijo Ocean Outfall. The purpose of this sampling is to monitor the ocean water quality to identify if the ocean discharge is posing health risks to the public or causing negative impacts to marine life.

In December, the SEJPA sampled the near-shore and off-shore locations, of which all met the recreational water quality standards for bacteria (total coliform, fecal coliform, and enterococcus). Then, following three days rain, the SEJPA sampled the shoreline sample locations on December 20, 2010. The bacteria levels for enterococcus exceeded the recommended recreational level of 104 MPN/100 mL at five of the seven sampling locations (Stations S-1, S-2, S-3, S-5, and S-7). After a week of no measureable rain, the SEJPA repeated sampling on December 28, 2010, and the sample results were well below the 104 MPN/100mL threshold. The seven shoreline sample locations are shown in Figure 4, Page 9-3, of this report.

The SEJPA examined treatment operations at the San Elijo Water Reclamation Facility during the month of December to determine if the treatment process was out of compliance thus leading to poor effluent quality. The review indicated that the treatment plant was operating properly and producing water quality above required levels. Therefore, the SEJPA concludes that the most likely cause of the exceedance for enterococcus was most likely due to storm water flows and not a result of ocean discharge from the San Elijo Water Reclamation Facility.

Shore Sampling Sites



SHORE SAMPLING SITES

FIGURE 4

Member Agency Flows

Presented below are the influent and effluent flows for the month of December. Average daily influent flows were recorded for each Member Agency. Total effluent flow was recorded for the San Elijo Water Reclamation Facility.

	December	
	<u>Influent (mgd)</u>	<u>Effluent (mgd)*</u>
Cardiff Sanitary Division	1.605	1.417
City of Solana Beach	1.375	1.214
Rancho Santa Fe SID	<u>0.215</u>	<u>0.189</u>
Total San Elijo WRF Flow	3.195	2.820

Notes: As of July 1995, Rancho Santa Fe Community Services District (CSD) combined SID #2 and SID #3 into one Sewer Improvement District (SID).

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

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

Figure 4 (attached) presents the 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. As shown in the figure, the average treated flow typically ranges between 2.9 and 3.1 million gallons per day (mgd). 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 has the right to 0.25 mgd.

City of Escondido Flows

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

	December (mgd)
Escondido (Average flow rate)	12.6
Escondido (Peak flow rate)	22.2*

* Exceeded capacity allowance. Corrective action requested.

The City of Escondido's peak flow rate of 22.2 mgd, which occurred on December 23, 2010, exceeded the allowed instantaneous flow rate of 20.1 mgd flow from the City, as stipulated in the 2000 Ocean Outfall Agreement, First Addendum. The City of Escondido also reported peak flow rates of 20.2 mgd and 20.9 mgd on December 21, 2010, and December 22, 2010, respectively, which also exceeded the allowed instantaneous flow rate of 20.1 mgd. The


SEJPA has been in contact with the City, per the attached letter, and is working with the City to identify solutions to mitigating future exceedances.

Connected Equivalent Dwelling Units

The number of EDUs connected for each of the Member Agencies for the month of December is as follows:

	December (EDU)
Cardiff Sanitary Division	8,212
Rancho Santa Fe SID	478
City of Solana Beach	7,428
San Diego (to Solana Beach)	300
Total EDUs to System	16,418

Respectfully submitted,


Michael T. Thornton, P.E.
General Manager

Attachments: Table 1: SEWRF Monthly Report – Flows and EDUs
 Figure 5: Average Daily Flow



**SAN ELIJO
JOINT POWERS AUTHORITY**

BOARD OF DIRECTORS

Teresa Barth
Thomas M. Campbell
Maggie Houlihan
David W. Roberts

ADMINISTRATION

Michael T. Thornton
General Manager

January 6, 2011

City of Escondido
201 North Broadway
Escondido, CA 92025-2798

Subject: San Elijo Ocean Outfall Capacity Limits

Dear Honorable Mayor Sam Abed and Escondido City Council,

As the Chair of the Board of Directors for the San Elijo Joint Powers Authority (SEJPA), I would like to express my sincere appreciation to the City of Escondido and its staff for the collaborative efforts in managing peak flows to the San Elijo Ocean Outfall.

The recent winter storms and other events have caused significant peak flows to the ocean outfall. The outfall, which serves the City of Escondido, the City of Encinitas, the City of Solana Beach, and portions of Rancho Santa Fe, is a critical regional structure for safe and efficient wastewater disposal. Since October of this year, the outfall has reached its full flow capacity on several occasions and even exceeded its flow capacity for several hours. These occurrences have been a result of high peak flows originating from the City of Escondido. The concern is that exceeding the outfall's rated capacity could lead to a partial or full joint failure of the outfall pipeline in the San Elijo Lagoon or in the Pacific Ocean. Such a failure has the potential for significant environmental impacts, regulatory fines, and costly repair activity.

Staff from both Escondido and the SEJPA are currently investigating the causes of the peak flows to determine appropriate actions to mitigate future events and to protect the ocean outfall structure. The SEJPA Board wanted your Council to be aware of these efforts to resolve this important issue.

We appreciate and value the working relationship that exists between the City and the SEJPA in protecting the environment and serving our communities. If you have any questions regarding this matter, please contact Michael Thornton, SEJPA General Manager, at (760) 753-6203, x72.

Sincerely,

SAN ELIJO JOINT POWERS AUTHORITY

Maggie Houlihan
Chair of the Board
San Elijo Joint Powers Authority

cc: Lori Vereker, City of Escondido
Michael Thornton, San Elijo Joint Powers Authority

SAN ELIJO WATER RECLAMATION FACILITY MONTHLY REPORT - FLOWS AND EDUS

MONTH	AVERAGE DAILY INFILUENT FLOW RATE (MGD)			AVERAGE DAILY EFFLUENT FLOW RATE (MGD)			AVERAGE DAILY EFFLUENT FLOW RATE (MGD)			CONNECTED EDUS			AVERAGE UNIT INFILUENT FLOW RATE (GAL/EDU/DAY)			
	GSD	RSE GSD	SB	TOTAL PLANT	GSD	RSE GSD	SB	TOTAL PLANT	GSD	RSE GSD	EDUS	SB	TOTAL	GSD	RSE	SB
Jan-06	1.515	0.138	1.310	2.964	1.410	0.129	1.219	2.758	8.044	423	7,659	16,126	188	329	171	184
Feb-06	1.499	0.139	1.313	2.951	1.268	0.118	1.111	2.497	8.044	423	7,659	16,126	186	329	171	183
Mar-06	1.542	0.144	1.309	2.995	1.475	0.137	1.252	2.864	8.044	424	7,659	16,127	192	340	171	186
Apr-06	1.523	0.139	1.288	2.950	1.400	0.128	1.184	2.712	8.044	424	7,659	16,196	189	328	167	182
May-06	1.480	0.134	1.299	2.913	0.979	0.089	0.859	1.927	8.066	429	7,728	16,223	183	312	168	180
Jun-06	1.471	0.130	1.350	2.951	0.762	0.068	0.699	1.529	8.080	430	7,728	16,238	182	302	175	182
Jul-06	1.490	0.135	1.436	3.061	0.719	0.065	0.693	1.477	8.087	431	7,728	16,246	184	313	186	188
Aug-06	1.456	0.144	1.392	2.992	0.748	0.074	0.715	1.537	8.088	432	7,728	16,248	180	333	180	184
Sep-06	1.403	0.138	1.327	2.868	0.744	0.072	0.704	1.520	8.092	432	7,728	16,252	173	319	172	176
Oct-06	1.414	0.132	1.286	2.832	0.943	0.088	0.857	1.888	8.092	432	7,728	16,252	175	306	166	174
Nov-06	1.408	0.135	1.284	2.827	1.100	0.105	1.003	2.208	8.094	434	7,728	16,256	174	311	166	174
Dec-06	1.429	0.138	1.275	2.842	1.296	0.126	1.156	2.578	8.099	436	7,728	16,263	176	317	165	175
Jan-07	1.419	0.128	1.282	2.829	1.205	0.109	1.089	2.403	8.100	441	7,728	16,269	175	290	166	174
Feb-07	1.425	0.129	1.277	2.831	1.284	0.116	1.150	2.550	8.106	443	7,728	16,277	176	281	165	174
Mar-07	1.421	0.118	1.285	2.824	1.014	0.085	0.917	2.016	8.112	444	7,728	16,284	175	286	166	173
Apr-07	1.386	0.122	1.267	2.775	0.868	0.076	0.794	1.738	8.115	447	7,728	16,290	171	273	164	170
May-07	1.411	0.106	1.281	2.798	0.763	0.058	0.693	1.514	8.116	448	7,728	16,292	174	237	166	172
Jun-07	1.438	0.104	1.304	2.846	0.697	0.051	0.632	1.380	8.117	449	7,728	16,294	177	232	169	175
Jul-07	1.461	0.109	1.364	2.934	0.657	0.049	0.613	1.319	8.119	450	7,728	16,297	180	242	177	180
Aug-07	1.442	0.110	1.365	2.917	0.571	0.044	0.541	1.156	8.120	450	7,728	16,298	178	244	177	179
Sep-07	1.410	0.107	1.270	2.787	0.596	0.046	0.537	1.179	8.124	452	7,728	16,303	174	237	164	171
Oct-07	1.335	0.096	1.222	2.653	0.777	0.056	0.712	1.545	8.124	452	7,728	16,303	164	213	158	163
Nov-07	1.430	0.113	1.235	2.778	1.122	0.088	0.969	2.179	8.138	453	7,728	16,318	176	250	160	170
Dec-07	1.443	0.143	1.225	2.811	1.380	0.137	1.171	2.688	8.144	453	7,728	16,324	177	316	159	172
Jan-08	1.491	0.144	1.268	2.903	1.488	0.144	1.266	2.898	8.146	454	7,728	16,327	183	318	164	178
Feb-08	1.620	0.162	1.355	3.137	1.499	0.150	1.254	2.903	8.150	456	7,728	16,334	199	356	175	192
Mar-08	1.569	0.149	1.365	3.083	1.261	0.119	1.097	2.477	8.151	456	7,728	16,335	192	326	177	189
Apr-08	1.493	0.125	1.318	2.936	1.154	0.097	1.019	2.270	8.151	456	7,728	16,335	183	274	171	180
May-08	1.487	0.136	1.339	2.962	0.755	0.069	0.690	1.504	8.153	456	7,728	16,337	182	299	173	181
Jun-08	1.649	0.131	1.270	3.050	0.647	0.052	0.498	1.197	8.161	456	7,728	16,345	202	288	164	187
Jul-08	1.713	0.131	1.324	3.168	0.722	0.055	0.558	1.335	8.163	456	7,728	16,347	210	288	171	194
Aug-08	1.562	0.125	1.483	3.170	0.608	0.048	0.577	1.233	8.165	457	7,728	16,350	191	274	192	194
Sep-08	1.547	0.121	1.378	3.046	0.813	0.064	0.724	1.601	8.167	459	7,728	16,354	189	264	178	186
Oct-08	1.478	0.111	1.319	2.908	0.671	0.051	0.599	1.321	8.170	460	7,728	16,358	181	242	171	178
Nov-08	1.511	0.118	1.329	2.958	1.080	0.084	0.950	2.114	8.171	462	7,728	16,361	185	256	172	181
Dec-08	1.580	0.156	1.362	3.098	1.446	0.143	1.246	2.835	8.172	462	7,728	16,362	193	338	176	189
Jan-09	1.522	0.141	1.354	3.017	1.256	0.116	1.117	2.469	8.177	462	7,728	16,367	186	306	175	184
Feb-09	1.599	0.145	1.330	3.074	1.408	0.128	1.171	2.707	8.179	462	7,728	16,369	196	314	172	188
Mar-09	1.510	0.124	1.307	2.941	1.030	0.085	0.892	2.007	8.180	463	7,728	16,371	185	268	169	180
Apr-09	1.463	0.116	1.262	2.841	0.731	0.058	0.630	1.419	8.183	463	7,728	16,374	179	251	163	174
May-09	1.465	0.117	1.247	2.829	0.712	0.057	0.606	1.375	8.185	464	7,728	16,377	179	252	161	173
Jun-09	1.479	0.115	1.319	2.913	0.712	0.056	0.635	1.403	8.185	464	7,728	16,378	181	248	171	178
Jul-09	1.437	0.109	1.376	2.922	0.599	0.045	0.573	1.217	8.186	467	7,728	16,381	175	234	178	178
Aug-09	1.431	0.113	1.419	2.963	0.603	0.047	0.598	1.248	8.186	467	7,728	16,381	176	234	178	178
Sep-09	1.404	0.108	1.346	2.858	0.660	0.053	0.661	1.404	8.187	468	7,728	16,383	171	231	174	174
Oct-09	1.375	0.108	1.332	2.815	0.744	0.058	0.721	1.523	8.187	468	7,728	16,383	168	231	172	172
Nov-09	1.366	0.111	1.323	2.800	0.843	0.069	0.816	1.728	8.189	469	7,728	16,386	167	237	171	171
Dec-09	1.401	0.127	1.322	2.850	1.149	0.104	1.084	2.337	8.193	469	7,728	16,390	171	271	171	174
Jan-10	1.532	0.155	1.372	3.059	1.271	0.128	1.138	2.537	8.196	472	7,728	16,396	187	329	178	187
Feb-10	1.487	0.148	1.382	3.017	1.371	0.136	1.274	2.781	8.197	474	7,728	16,398	181	313	179	184
Mar-10	1.455	0.145	1.398	2.998	1.108	0.110	1.064	2.282	8.198	474	7,728	16,400	177	306	181	183
Apr-10	1.451	0.137	1.391	2.979	1.058	0.100	1.014	2.172	8.198	474	7,728	16,400	177	289	180	180
May-10	1.379	0.128	1.385	2.892	0.672	0.063	0.675	1.410	8.201	474	7,728	16,403	168	270	179	176
Jun-10	1.437	0.122	1.453	3.012	0.650	0.055	0.657	1.362	8.202	474	7,728	16,404	175	258	188	184
Jul-10	1.375	0.119	1.466	2.960	0.694	0.061	0.740	1.495	8.204	475	7,728	16,407	166	251	190	180
Aug-10	1.366	0.125	1.451	2.942	0.585	0.053	0.621	1.259	8.205	475	7,728	16,408	166	263	188	179
Sep-10	1.346	0.114	1.342	2.802	0.627	0.053	0.626	1.306	8.207	475	7,728	16,410	164	240	174	171
Oct-10	1.413	0.123	1.311	2.847	1.177	0.102	1.092	2.371	8.207	477	7,728	16,412	172	258	170	173
Nov-10	1.399	0.117	1.297	2.813	1.090	0.091	1.011	2.192	8.209	478	7,728	16,415	170	245	168	171
Dec-10	1.605	0.215	1.375	3.195	1.417	0.189	1.214	2.820	8.212	478	7,728	16,418	195	450	178	195

RSF GSD: Ranch Santa Fe Community Service District
 SB: Solene Bleach
 EDU: Equivalent Dwelling Unit

ASSUMPTIONS: SB average flow includes San Elijo Hills flow of 131 mgd
 SB Connected EDUs includes 300 EDUs for the City of San Diego

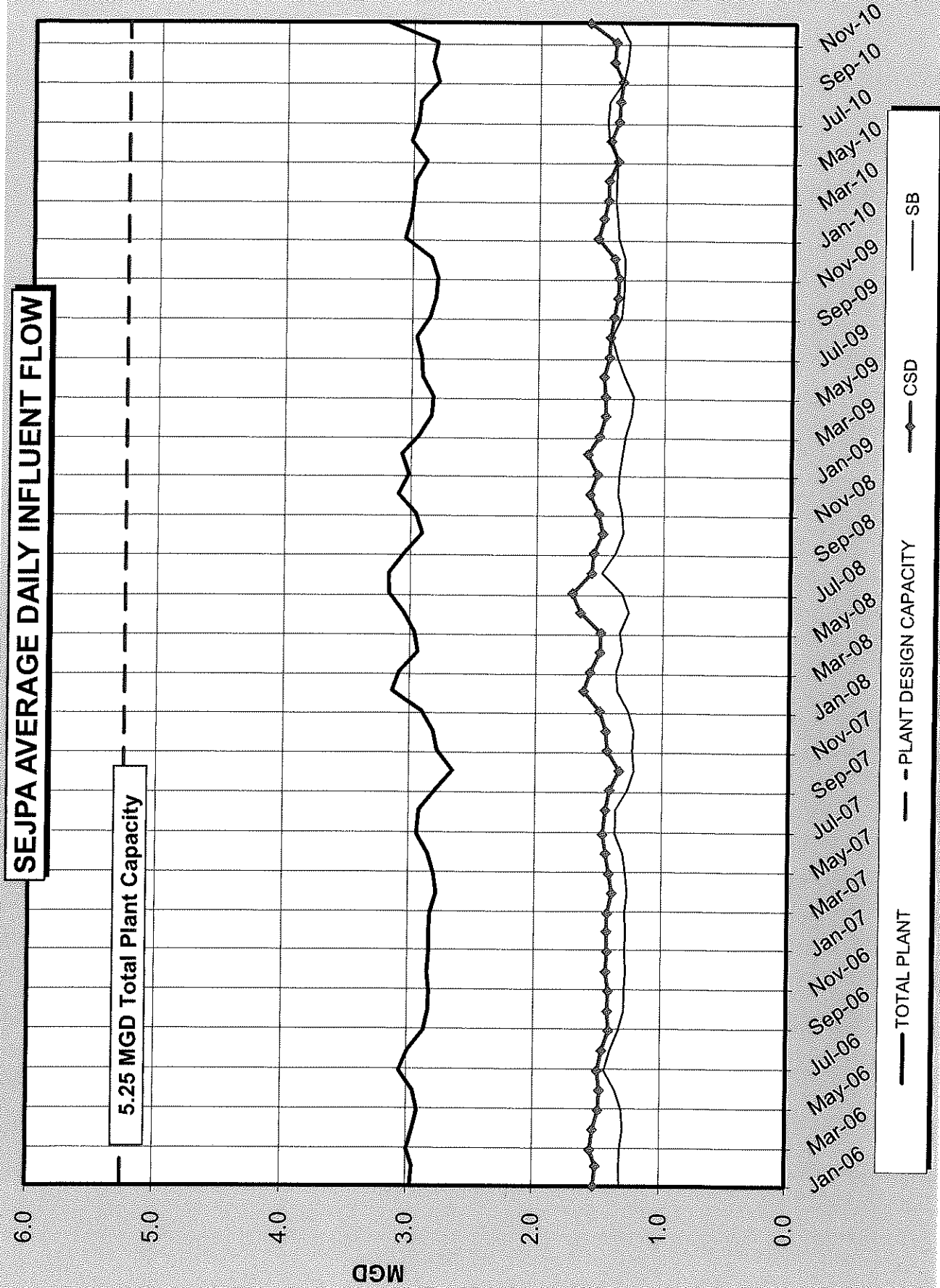


FIGURE 5

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AGENDA ITEM NO. 10

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

February 14, 2011

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: SAN ELIJO WATER RECLAMATION PROGRAM – MONTHLY REPORT

RECOMMENDATION

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

DISCUSSION

Recycled Water Production

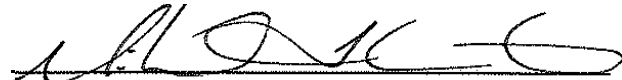
For the month of December 2010, recycled water demand was 28.79 acre-feet (AF), which was met using 28.72 AF of recycled water and 0.06 AF of supplementation with potable water. This equates to a blend mix for December of 99.8 percent recycled water and 0.2 percent potable water supplementation. Figure 1 (attached) provides monthly supply demands for recycled water over the last five years. Figure 2 (attached) provides a graphical view of annual recycled water demand spanning the last ten fiscal years. Recycled water demand can fluctuate from year to year, which is typically a function of weather. For example, Fiscal Year 2003-04, an unusually dry year, resulted in increased recycled water demand; and Fiscal Year 2004-05, an unusually wet year, resulted in lower recycled water demand.

For the quarterly self-monitoring report prepared for the period for October 2010 through December 2010, the permit violations were reported for Total Dissolved Solids (TDS) and Chloride. The 12-Month Average TDS, calculated through this quarter, was 1,221 mg/l, which exceeds the permitted limit of 1,200 mg/l. The daily chloride limit of 450 mg/L was exceeded on 12/13/2010. Previous monthly samples in November and October were below the 450 mg/L limit.

Potable water samples taken in December had TDS concentrations ranging from 620 mg/L to 760 mg/L, leading the SEJPA to conclude that the primary source of the high TDS is from the local supply water. The SEJPA is in the final design phase of an advanced water treatment project that will use reverse osmosis to lower the TDS concentration of its recycled water. The preliminary design report was completed in December 2009. Final design is anticipated to be completed in September 2011. The project has an estimated cost of \$5 million. The chloride reading is collected monthly as a process sample so each monthly sample is reported in the

quarterly report. The chloride reading exceeded permitted limitations again in January 2011. SEJPA staff is currently evaluating the cause for the spike in chloride.

Respectfully submitted,

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

Michael T. Thornton, P.E.
General Manager

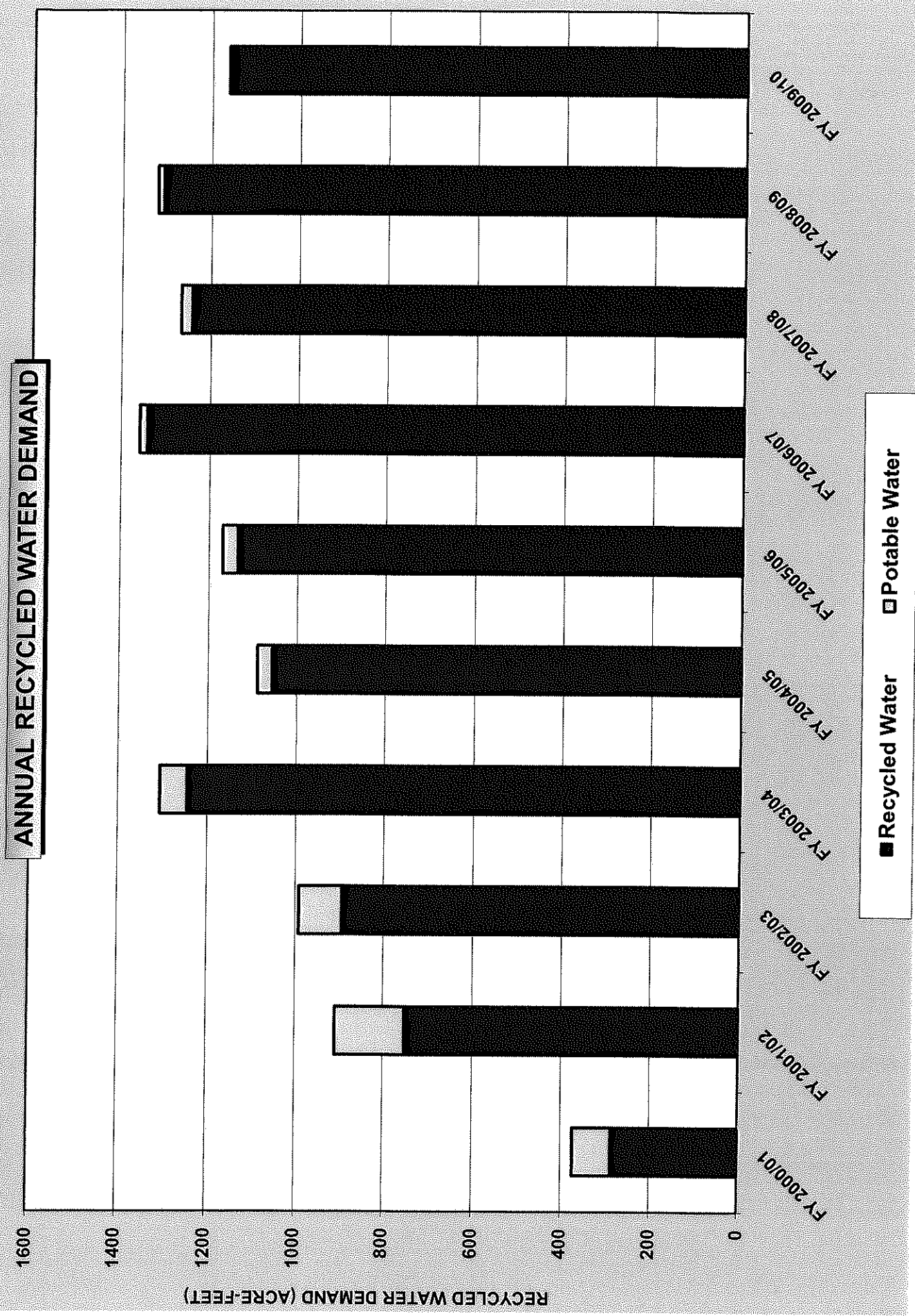
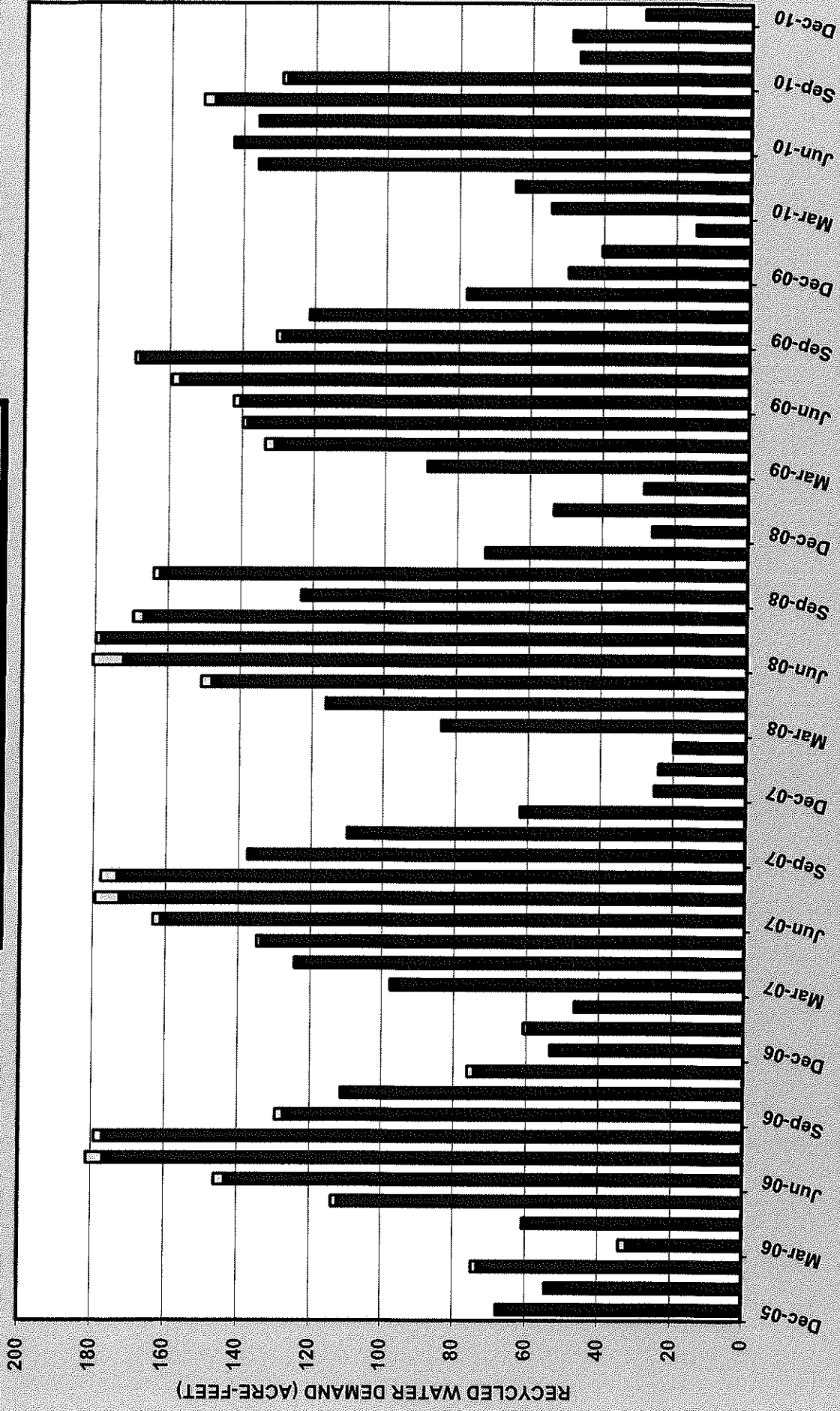


Figure 2

MONTHLY RECYCLED WATER DEMAND



□ Potable Water ■ Recycled Water

Figure 1

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

February 14, 2011

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: SAN ELIJO OCEAN OUTFALL 2010 ANNUAL INSPECTION REPORT

RECOMMENDATION

It is recommended that the Board of Directors:

1. Accept and File the San Elijo Ocean Outfall Year 2010 Annual Inspection Report prepared by Merkel & Associates, Inc.; and
2. Discuss and take action as appropriate.

BACKGROUND

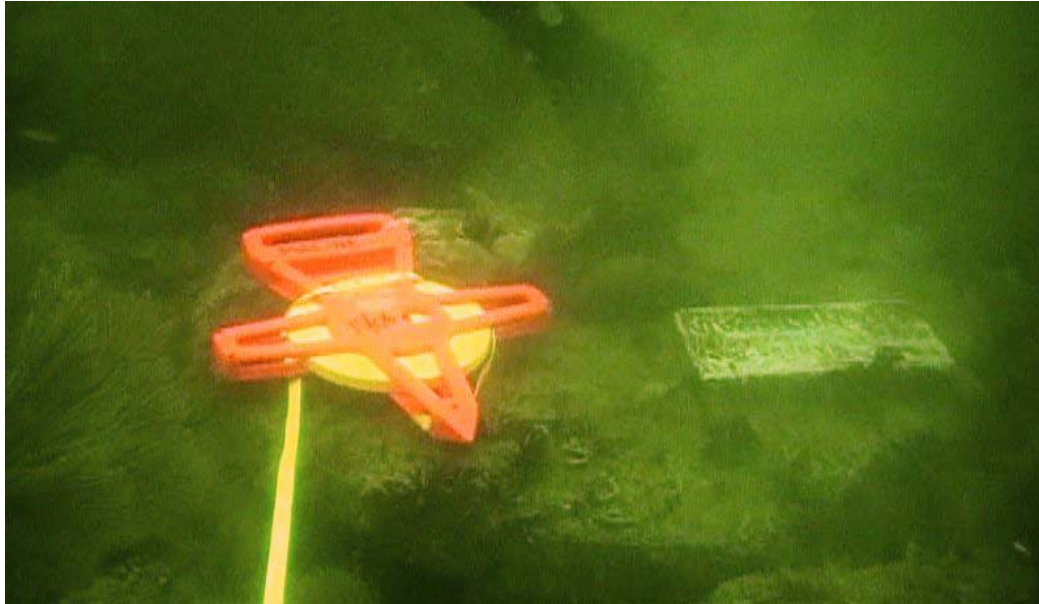
The San Elijo Ocean Outfall was commissioned in 1965 to discharge treated effluent from the San Elijo Water Pollution Control Facility (now named the San Elijo Water Reclamation Facility). The outfall was upgraded and expanded in 1974 to include discharge capacity for the City of Escondido's Hale Avenue Resource Recovery Facility. The length of the outfall is 8,000 feet with an end depth of approximately 150 feet below mean sea level. The diffuser section of pipe is composed of 1,176 feet of 48-inch pipe with 200 individual 2-inch diameter diffuser ports. The discharge of treated wastewater to the ocean is subject to strict environmental regulations that stipulate dilution requirements, distance from shore, and depth of water for which the effluent is discharged. To ensure that the ocean outfall is in sound operating condition and that environmental regulations are being met, the San Elijo Joint Powers Authority (SEJPA) inspects the outfall annually.

DISCUSSION

The SEJPA contracted with Merkel & Associates to complete the 2010 annual inspection. Dive operations were conducted between September and November, 2010. Diving staff conducted a general inspection of the outfall corridor from approximately the 100-foot depth level to the shoreline. Inspection activity was attentive to the following:

- Evidence of surface failure of exposed concrete;
- Cracks or other deficiencies in the outfall;
- Joint integrity;
- Leaks or evidence of degradation;
- Potential hazards;

- Attrition or the loss of the ballast materials as a result of physical, biological, or geologic processes;
- Scour of the nearby marine sediments;
- Man-made debris;
- Inspection of exposed portholes and locating portholes 2, 4, and 5;
- Evaluation of cathodic protection at exposed anodes;
- Clearing kelp hindering inspection activities or threatening ballast material; and
- Photographic and video documentation.



Cleaned zinc anode at Porthole 2 (STN 21+00). The measuring tape spool is included on the left of this photo.

Merkel reports that the San Elijo Ocean Outfall was found to be in excellent overall condition. Offshore areas were stable and showed no signs of movement; inshore ballast rock showed no significant signs of movement since the last reballasting project. The outfall showed no signs of spalling (chipping or flaking of concrete), rust staining, cracking, and there was no leakage from pipe joints or other locations on the outfall.

The outfall has 5 access portholes that have metal covers. These covers use sacrificial zinc anodes for corrosion protection. Only Portholes 1 and 3 were accessible during the previous inspection, as the others were covered by ballast rock. Portholes 2 and 5 were located during this inspection but Porthole 4 was not found. The anodes on Portholes 1, 2 and 3 appear to have considerable mass remaining. Additional anodes were connected to porthole 5 since it was found to have only 50% mass remaining once it was located.

SUMMARY AND RECOMMENDATIONS

The following points summarize the major findings of the inspection:

- In general, the San Elijo Ocean Outfall was found to be in excellent overall condition. All areas offshore of Porthole 1 were stable and showed no signs of movement.
- Ballast rock inshore of Porthole 1 showed no significant signs of movement since the last reballasting project.

- The outfall showed no signs of spalling, rust staining, or cracking and there was no leakage observed from pipe joints or any other location on the outfall.
- Anodes were in good condition and have considerable remaining life expectancy where these were visible and could be inspected.
- Porthole 4 could not be located during this inspection despite considerable time and effort spent removing misplaced ballast to expose the porthole.

The following items are recommendations for continued structural integrity and environmentally safe operation of the San Elijo Ocean Outfall:

- Inspect the access portholes on the outfall pipe during each annual inspection.
- Replace zinc anodes on the portholes and replace the anodes as needed when they reach 50% remaining mass.
- Locate porthole 4 and excavate it from misplaced ballast material so that the anode can be inspected and the porthole can be put into a regular inspection cycle with the remaining access structures.
- Complete an ROV survey of the diffuser section of the outfall pipe to inspect this deep segment of the pipeline and identify and to the extent possible, clear diffuser port obstructions. The general inspection and video inspection of this segment of pipe has been performed on alternating years and should continue. The last inspection was in 2009 so this section should be inspected in 2011.
- Monitor for reemergence of support pile cradles and complete structural inspection once these reemerge from the littoral sands.
- Continue to perform "rapid response" overview inspections after periods of extremely high surf or significant seismic events to identify damage and potential for failure.

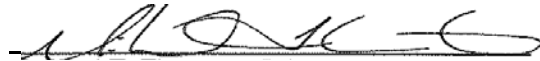
These recommendations are not urgent and can be performed during the 2011 annual inspection.

An executive summary of the detailed findings and associated recommendations is attached. The full report and a video of the dive inspection is on file in the SEJPA office.

It is therefore recommended that the Board of Directors:

1. Accept the San Elijo Ocean Outfall Year 2010 Annual Inspection Report prepared by Merkel & Associates, Inc.; and
2. Discuss and take action as appropriate.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

Attachment: San Elijo Ocean Outfall Year 2010 Annual Inspection Executive Summary,
Merkel & Associates, Inc., December 2010

SAN ELIJO OCEAN OUTFALL YEAR 2010 ANNUAL INSPECTION

*Merkel & Associates, Inc.
December 2010*

EXECUTIVE SUMMARY

Merkel & Associates, Inc. (M&A) performed the Year 2009-10 San Elijo Ocean Outfall annual inspection at the request of the San Elijo Joint Powers Authority (SEJPA) between September and November 2010. The purpose of the inspection was to look for evidence of spalling of the exposed concrete surfaces, cracks, or other signs of wear or degradation of the outfall structure, including inspecting joint integrity for leaks or evidence of degradation, inspecting diffuser flow, evaluating for other potential hazards, and checking attrition or the loss of efficacy of the pipe ballast material. The inspection involved diver examination of the outfall inshore of the 100-ft isobath; evaluation of exposed portholes; evaluation of cathodic protection at exposed anodes; cross-section surveys and depth profiling inshore of Station 32+00; clearing of kelp and debris, and removal of misplaced ballast rock covering Portholes 2,4, and 5 and replacing of zinc anodes on Portholes 2, 4, and 5, as needed. In addition, a pile support survey of pile supports 34 and 35 was planned. As in previous years, this survey could not be accomplished due to sand burial of these supports. Photo and video documentation were collected along the entire outfall.

In general, the San Elijo Ocean Outfall was found to be in excellent overall condition. All areas offshore of Porthole 1 were stable and showed no signs of movement. Ballast rock inshore of Porthole 1 showed no significant signs of movement since the last reballasting project. The outfall showed no signs of spalling, rust staining, or cracking; and there was no leakage detected from pipe joints or any other locations on the outfall. Zinc anodes on Portholes 1, 2, 3 and 5 were all present and have considerable anode mass remaining. However, the anode on Porthole 5 was reduced to nearly 50 percent of its original mass; and thus, additional anodes were attached. Anodes on Porthole 4 could not be inspected due to remaining ballast burial. It is expected that the anode on this Porthole is likely in comparable condition as that on Porthole 5. The buried Porthole 4 was not located at the identified stationing position (33+00) based on the 1966 as-built plans for the pipeline.

To ensure continued structural integrity and environmentally safe operation of the San Elijo Ocean Outfall, the following recommendations should be considered:

1. All observable cathodic protection anodes are in good service condition or have been supplemented during this inspection period. These are expected to have more years of life under current conditions. As such, it is recommended that the anodes be inspected annually and replaced as needed when they reach 50 percent of their original mass.
2. Porthole 4 remains covered by ballast rock placed in 1993 and could not be located and inspected during this survey. Portholes 2 and 5 were excavated from burial under ballast and were inspected. The Porthole 2 anode was approximately 90 percent of original mass and thus was not replaced. The Porthole 5 anode had approximately 50 percent of the zinc anode mass remaining. It is expected that Porthole 4 is likely to be in similar condition to Porthole 5. However, it is unknown what the anode replacement history was on this Porthole prior to its burial; as a result, Porthole 4 needs to be excavated from the ballast and put into a regular inspection cycle with the remaining access structures.

3. The deep reach of the pipe and the diffuser segment ports were not inspected during the present investigation but were reviewed in 2009. The general inspection and video inspection of this segment of pipe and the diffusers has been performed on alternating years and should continue. Good stationing control should be used over this section to aid in examination of pipe conditions during video playback.
4. SEJPA should continue to perform “rapid-response” overview inspections after periods of extremely high surf or significant seismic events to identify damage and potential for failure due to scour, high-velocity currents, or major seafloor movements. SEJPA should also continue preventive maintenance and detailed annual inspections of the entire pipeline using diver and ROV surveys.

FORWARD

The San Elijo Ocean Outfall was commissioned in 1965 to discharge treated effluent from the San Elijo Water Reclamation Facility (formally known as the San Elijo Water Pollution Control Facility). As-built plans were prepared for the outfall in 1966. In 1974, the Hale Avenue Resource Recovery Facility was connected to the original outfall structure, and the outfall was extended to its current length of 8,000 feet. Given environmental regulations regarding discharges into marine waters and increasing demands on the infrastructure over the past 4 decades, it has been imperative that the pipeline be maintained and monitored for potential damage. To this end, the San Elijo Joint Powers Authority (SEJPA) has contracted numerous annual inspection surveys of the outfall pipeline. This report presents the results of the 2010 annual survey performed by Merkel & Associates, Inc. (M&A). Given the large volume of information collected during previous monitoring events, it would be inappropriate to compile this report without including data and information presented in previous reports. For this reason, some of the language, figures, and data presented in this report originated from previous monitoring reports prepared for the SEJPA by M&A and Thales GeoSolutions Pacific, Inc. The contribution of numerous individual Thales reports are acknowledged here but are not cited in this document. The reports and their contents are the property of the SEJPA.

INTRODUCTION

The SEJPA contracted M&A to complete the 2010 San Elijo Ocean Outfall annual inspection. Diving operations were conducted between September and November 2010. Data analyses immediately followed the field effort. The inspection effort comprised the following elements:

- General diver overview inspection of the outfall corridor from the 100-foot isobath to burial inshore attentive to the following criteria: Evidence of spalling of the exposed concrete surfaces, cracks or other deficiencies in the outfall, joint integrity, leaks or evidence of degradation, potential hazards, attrition or the loss of efficacy of the ballast material as a result of physical, biological, or geological processes, scouring of the nearby marine sediments, and manmade debris;
- Evaluation of cathodic protection at exposed anodes;
- Clearing of kelp and clearing of blockages from diffuser ports;
- Inspection of exposed portholes;
- Photographic and video documentation; and
- Removal of misplaced ballast and exposure of Portholes 5 and 2.

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

February 14, 2011

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: ACCEPT AND FILE - FINAL DESIGN PLANS AND SPECIFICATIONS FOR
THE ELECTRICAL UPGRADES PROJECT AT THE SAN ELIJO WATER
RECLAMATION FACILITY

RECOMMENDATION

It is recommended that the Board of Directors:

1. Accept and File the Final Design Plans and Specifications for the Electrical Upgrades Project for the San Elijo Water Reclamation Facility prepared by CDM, Inc.;
2. Authorize the General Manager to Publicly Advertise and Bid the Construction Contract; and
3. Discuss and take action as appropriate.

BACKGROUND

In December 2007, the San Elijo Joint Powers Authority (SEJPA) completed a facility master plan for the San Elijo Water Reclamation Facility (San Elijo WRF). This planning level document provides guidance and direction for facility planning, program budgeting, and asset management. Building upon the foundation of the master plan, staff has begun developing an asset management program. The intent of the master plan and asset management program is to best position the agency to meet current and future treatment requirements while maximizing the life of existing facilities and equipment thus providing the lowest long-term costs to the ratepayers.

As a result of these planning efforts, the upgrade and replacement of aging electrical systems at the San Elijo WRF has been identified as a priority. Many of these electrical systems have more than 30 years of service and are nearing the end of their expected life cycle. The equipment is becoming less reliable and replacement parts have become difficult to locate.

In February 2010, SEJPA staff prepared a request for proposals from engineering firms for the development of design drawings and construction specifications for replacing and upgrading major electrical components at the San Elijo WRF. The SEJPA received proposals from four

engineering firms and, at the March 8, 2010 Board meeting, Camp Dresser & McKee (CDM) was selected based on their understanding of the project, proposed cost-effective ideas, and the design team's qualifications.

The scope of work assigned to CDM included preparing a Preliminary Design Report, Final Design Drawings and Specifications, and Construction Management Services. To date, the Preliminary Design Report (including a power coordination study, load flow study, short circuit analysis, and harmonics study) and the Final Design Drawings and Specifications have been completed.

DISCUSSION

The final design drawings and specifications and the engineer's opinion of probable cost for construction were completed in January 2011. Staff participated throughout the design process and had ample time and opportunity to review and comment. It is staff's recommendation that the SEJPA Board of Directors accept the final design and begin the construction phase of the project. The first element of the construction phase is to advertise the construction contract, conduct pre-bid meetings and job site tour, and to conduct a contract bid opening.

Due to recent operational issues with some of the electrical units that are planned for replacement, staff recommends moving the project promptly to construction. If some of these units fail before being replaced, the cost and complexity of the construction project will increase. It would be best to avoid this situation if possible. The proposed project schedule is provided below.

Proposed Electrical Improvements Project Schedule

TASK	SCHEDULE
Final Design Acceptance*	February 2011
Construction Advertisement	February/March 2011
Mandatory Pre-Bid Meeting & Site Walk	March 2011
Construction Bid Opening	April 2011
Award of Construction Bid*	May 2011
Issuance of Notice to Proceed	May 2011
Construction	June 2011 – February 2012

*Actions requiring SEJPA Board approval.

FINANCIAL IMPACT

The Facility Master Plan prepared by Carollo Engineers provided a planning level cost estimate of \$1.36 million. Upon the completion of the final design documents, the new estimated total project cost is approximately \$1.34 million. The project budget is itemized as (1) design and construction management, (2) administration and legal (3) construction, and (4) contingency funding. The proposed project budget is presented below.

Proposed Electrical Improvements Project Schedule

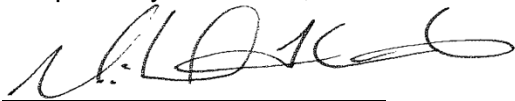
Project Element	Budget
Design & Construction Management	\$210,000
Administration & Legal (3.5% of construction)	\$34,300
Construction	\$980,000
Contingency funding (12% of construction)	\$117,600
TOTAL	\$1,341,900

As of the Fiscal Year 2010-11, the SEJPA has appropriated \$845,000 for this project, with plans to budget \$497,000 in FY 2011-12. SEJPA staff has discussed this project with staff from the Member Agencies to gain agreement on the need for the project, project scope, and the funding requirement for FY 2011-12. This funding request is consistent with previous funding projections by the SEJPA to the Member Agencies for FY 2011-12 capital projects.

It is therefore recommended that the Board of Directors:

1. Accept and File the Final Design Plans and Specifications for the Electrical Upgrades Project for the San Elijo Water Reclamation Facility prepared by CDM, Inc.;
2. Authorize the General Manager to Publicly Advertise and Bid the Construction Contract; and
3. Discuss and take action as appropriate.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

February 14, 2011

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: ADOPT THE PROPOSED MITIGATED NEGATIVE DECLARATION FOR THE
RECYCLED WATER DEMINERALIZATION PROJECT

RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve Resolution 2011-06, A Resolution of the Board of Directors of the San Elijo Joint Powers Authority Adopting the Final Initial Study/Mitigated Negative Declaration, the Mitigation Monitoring and Reporting Plan, and the CEQA Findings of Fact for the SEJPA Recycled Water Project; and
2. Discuss and take action as appropriate.

BACKGROUND

The SEJPA owns and operates a recycled water utility that, through the local water districts, serves the residents and businesses of Del Mar, Encinitas, and Solana Beach. Over the last five years, the SEJPA has examined options to improve and expand this utility as the need and value of recycled water has grown. Furthermore, during this period, the salinity levels in the recycled water have increased due to the reduction of imported water, drought, and other local activities, pushing the salinity levels beyond contract and permit levels. The SEJPA has studied this issue in depth and has identified improvements to the treatment process that will reduce the salinity to acceptable levels while expanding the facility's recycling capacity by 20 percent.

Concurrent to the efforts to improve water quality, the SEJPA has studied options to improve the distribution and storage system of the recycled water system. The purpose was to provide planning level information on options for increasing recycled water use and reach within the communities the system currently serves. Although it is envisioned that these improvements will likely be completed in several phases with treatment improvements being completed first, an initial study/mitigated negative declaration examined the environmental impacts of all proposed improvements as one project.

DISCUSSION

The SEJPA retained the professional services of Dudek to prepare the California Environmental Quality Act (CEQA) reporting requirements for the proposed recycled water project. Based on the findings of the Initial Study Environmental Checklist, the SEJPA and Dudek determined that a Mitigated Negative Declaration (MND) was the appropriate environmental document for project

compliance with CEQA. The MND serves to identify all potential environmental, cultural, social, and historical impacts of the Recycled Water Project.

The SEJPA also retained the professional services of Dudek to prepare a CEQA Findings of Fact and Mitigation Monitoring and Reporting Plan (MMRP), two documents that supplement the final MND. The CEQA Findings of Fact is a standalone document that states the findings identified in the MND. The MMRP serves as a plan for implementing and reporting mitigation measures for potential impacts identified in the MND. Based on the work performed by Dudek and the SEJPA, these documents are in conformance with Section 15070(a) of the CEQA Guidelines.

The final MND was adopted by vote by the San Elijo Joint Powers Authority Board of Directors on December 14, 2009. However, the SEJPA has applied for the State Revolving Funds (SRF) Loan Program, which is administered by the State Water Resources Control Board (SWRCB). As part of the loan application process, the SWRCB has requested that the final MND, MMRP, and CEQA Findings of Fact be adopted by resolution.

Although the SEJPA is examining several funding options for the construction of the treatment project, fulfilling this requirement allows the SRF loan program to remain as an option.

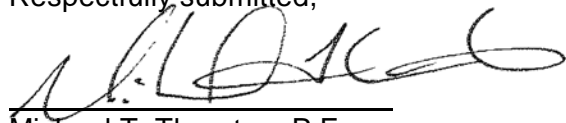
FINANCIAL IMPACT

There are no direct financial costs for the approving this recommendation. This recommendation does not commit the SEJPA to proceeding with this project nor does it commit it to financing the project with the SRF loan program.

It is therefore recommended that the Board of Directors:

1. Approve Resolution 2011-06, A Resolution of the Board of Directors of the San Elijo Joint Powers Authority Adopting the Final Initial Study/ Mitigated Negative Declaration, the Mitigation Monitoring and Reporting Plan, and the CEQA Findings of Fact for the SEJPA Recycled Water Demineralization Project; and
1. Discuss and take action as appropriate.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

ATTACHMENT: Resolution 2011-06 Adoption for the Initial Study/Mitigated Negative Declaration, Mitigation Monitoring and Reporting Plan

Note: The Recycled Water Project – Mitigated Negative Declaration is posted on the SEJPA website at the following link: www.sejpa.org under Capital Projects / Engineering Reports

ATTACHMENT

RESOLUTION NO. 2011-06

BOARD OF DIRECTORS OF THE SAN ELIJO JOINT POWERS AUTHORITY

**A RESOLUTION OF ADOPTION FOR THE INITIAL STUDY/MITIGATED NEGATIVE
DECLARATION, MITIGATION MONITORING AND REPORTING PLAN**

WHEREAS, an Initial Study/Mitigated Negative Declaration (IS/MND), Mitigation Monitoring and Reporting Plan (MMRP), and a CEQA Findings of Fact have been prepared for the purposes of the proposed San Elijo Joint Powers Authority Reclaimed Water Demineralization Facility Project and would not have a significant effect on the environment;

WHEREAS, the proposed project is in accordance with the environmental plans, goals, and policies of the San Elijo Joint Powers Authority;

WHEREAS, there is no substantial evidence that the project will have a significant adverse effects on the environment;

WHEREAS, the IS/MND reflects the independent judgment of the lead agency, pursuant to CEQA Guidelines Section 21082.1 (3);

WHEREAS, the SEJPA conducted a public hearing on the proposal on December 14, 2009 and approved the IS/MND; and

WHEREAS, the SEJPA has considered the IS/MND together with comments received during the public review process;

NOW THEREFORE, BE IT RESOLVED, that the San Elijo Joint Powers Authority adopts the Final IS/MND, CEQA Findings of Fact and the MMRP for the Recycled Water Demineralization Facility Project.

PASSED AND ADOPTED this 14TH day of February 2011.

AYES:

NOES:

ABSENT:

ABSTAIN:

Thomas M. Campbell, Chairperson
SEJPA Board of Directors

Attest:

Michael T. Thornton, P.E.
Secretary of the Board

EXHIBIT A: Final IS/MND
EXHIBIT B: MMRP
EXHIBIT C: CEQA Findings of Fact

PLEASE SEE
ATTACHMENT FILE:
NO. 14 EXHIBIT A, B, & C

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

February 14, 2011

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: Director of Finance/Administration

SUBJECT: SAN ELIJO JOINT POWERS AUTHORITY MID-YEAR REVIEW OF THE
FISCAL YEAR 2010-11 OPERATING BUDGET

RECOMMENDATION

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

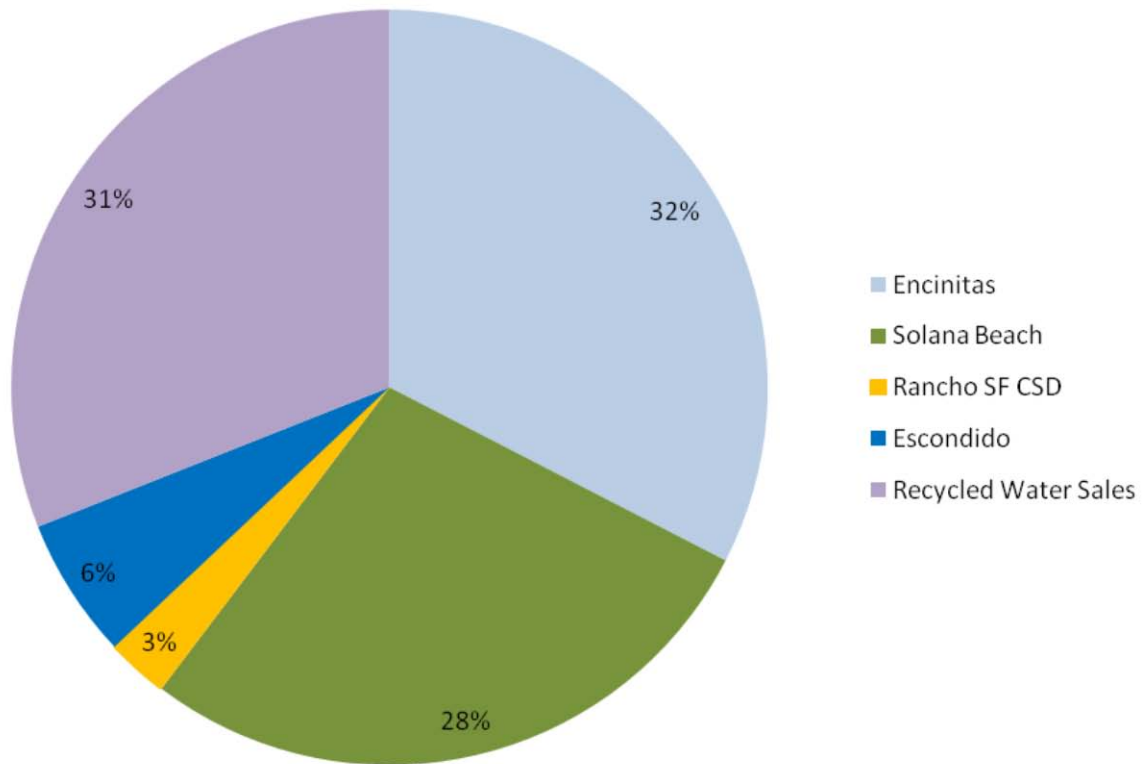
BACKGROUND

The San Elijo Joint Powers Authority (SEJPA) operates a variety of programs as part of its mission to provide cost effective and reliable wastewater and recycled water services. The individual programs include Wastewater Treatment, Laboratory Services, Ocean Outfall, Cardiff Sanitary Division Pump Stations, Encinitas Sanitary Pump Stations, Solana Beach Pump Stations, Storm Water, Water Recycling, and Capital Programs. Each program is funded by the customer base it serves. The largest funding source to the SEJPA is the sanitation divisions of the member agencies (Cities of Encinitas and Solana Beach), followed by the San Dieguito Water District, Santa Fe Irrigation District, City of Escondido, Rancho Santa Fe Community Service Districts, and the City of Del Mar. The total operating budget (excluding capital programs) for the SEJPA for Fiscal Year (FY) 2010-11 is \$4,983,013.

DISCUSSION

The following information is an analysis of estimated operating revenues and expenditures through the end of FY 2010-11. Although this is only an estimate, it is expected that overall the SEJPA will conclude the fiscal year at or slightly below budget. Personnel and non-personnel costs will be below budgeted levels and capital outlay will be slightly above budgeted levels. Each program has designated contingency funding to address emergency issues, unforeseen repairs, or other unplanned events. At this time, it is not expected that the use of contingency funds will be required. Any funds not expended are returned to the funding agency. The projected revenue listed as a percent by source is shown in Figure 1.

Figure 1: Projected Revenue by Source



Budget and estimated expenditure projections by classification for all SEJPA programs are presented in Table 1. Table 2 lists budgets and anticipated expenditures by program, graphically illustrated in Figure 2.

TABLE 1
Statement of Estimated Expenditures through 6/30/11
By Classification

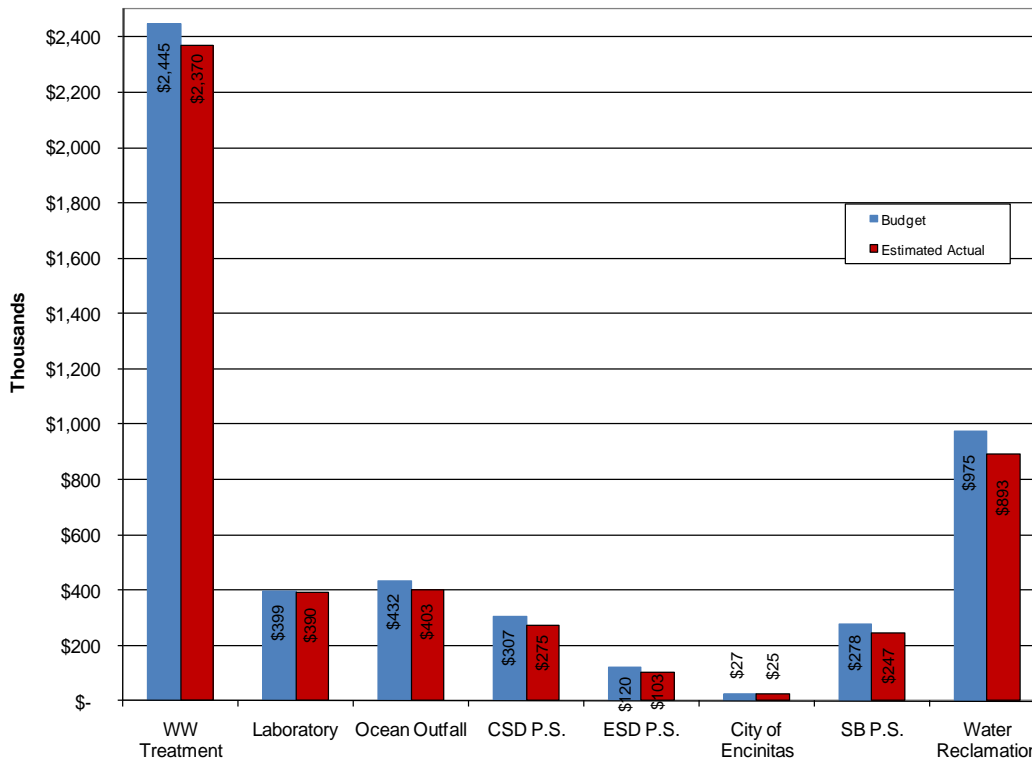
<i>Classification</i>	<i>Current Budget</i>	<i>Estimated Expenditures</i>	<i>Expected Savings</i>	<i>Percent Spent</i>
Personnel	\$2,537,290	\$2,503,500	\$ 33,790	99%
Non-Personnel	2,194,313	2,123,199	71,114	97%
Capital Outlay	68,000	79,250	(11,250)	117%
Sub-Total	\$4,799,603	\$4,705,949	\$ 93,654	98%
Contingency	183,410	0	183,410	0%
Total	\$4,983,013	\$4,705,949	\$277,064	94%

TABLE 2
Statement of Estimated Expenditures through 6/30/11
By Program

<i>Program</i>	<i>Current Budget</i>	<i>Estimated Expenditures</i>	<i>Expected Savings*</i>	<i>Percent Spent</i>
WW Treatment	\$2,445,098	\$2,369,769	\$ 75,329	97%
Laboratory Services	398,680	390,330	8,350	98%
Ocean Outfall	431,970	403,156	28,814	93%
CSD Pump Stations	306,710	274,780	31,930	90%
ESD Pump Stations	119,800	102,940	16,860	86%
Pheobe Storm Drain	3,730	2,780	950	75%
Urban Runoff Station	15,620	14,700	920	94%
Enc. Storm Drain Sed.	8,050	7,080	970	88%
SB Pump Stations	273,310	242,297	31,013	89%
SB Storm Drain Sed.	5,060	4,880	180	96%
Sanitary subtotal	4,008,028	3,812,712	\$195,316	95%
Water Recycling	974,985	893,237	81,748	92%
Total	\$4,983,013	\$4,705,949	\$277,064	94%

* including contingency funding of \$183,410 which is 3.7% of the total budget

**Figure 2: San Elijo Water Reclamation Facility
Fiscal Year 2010-11
Budget vs. Estimated Actual
TOTAL COST**



Wastewater Treatment Operations

Wastewater treatment operations are projected to end the year approximately 3%, or roughly \$75,329, under budget. Major components of the wastewater treatment budget include personnel, insurances, chemicals, repair and maintenance parts, professional services, utilities, waste hauling and disposal, and capital outlay.

Personnel costs for this program are forecast to be approximately 1%, or approximately \$9,630 below budget. Supplies and services are expected to be approximately \$8,969 below budget. Contingency funding of \$55,730 is not anticipated to be utilized.

Laboratory Services

Laboratory services are expected to be approximately \$8,350 under budget. The savings are comprised of personnel costs \$6,000, services \$2,500, supplies \$2,500, and utilities \$1,000. Some of these savings are planned to be used to purchase an automatic sampler for improved process control and to purchase a commercial glassware sterilizer. The sterilizer will reduce the amount of disposable glassware purchased by the agency on the order of \$3,000 per year as well as reduce the amount of glassware disposed in local landfills. Contingency funding of \$6,960 is not anticipated to be utilized.

Ocean Outfall

The Ocean Outfall Program is expected to be approximately \$28,814 under budget this year. Personnel costs are projected to be slightly under budget. Savings should be seen in services, such as engineering, legal, and subconsultants of \$4,000, utilities of \$2,000, and insurances of \$7,000. The remaining supplies and services are forecast to be at budgeted levels. Contingency

funding of \$13,860 is not anticipated to be utilized. SEJPA is in discussions with the City of Escondido on funding Capital Improvements to the outfall.



Stable ballast over Ocean Outfall with schooling blacksmith (*Chromis punctipinnis*) and strawberry anemone (*Corynactis californica*)

Other Facilities

The SEJPA manages, operates, and maintains other industrial facilities for the SEJPA member agencies. The other facilities are divided into four divisions: Cardiff Sanitary Division (CSD), Encinitas Sanitary Division (ESD), the City of Encinitas, and the City of Solana Beach (SB). Each division has an established budget based on forecast costs of operating and maintaining the stations within that division. Table 3 lists the facilities of each division.

**TABLE 3
Remote Facilities
Operated and Maintained by the SEJPA**

<i>Cardiff Sanitary Division (CSD)</i>	<i>Encinitas Sanitary Division (ESD)</i>	<i>City of Encinitas</i>	<i>City of Solana Beach (SB)</i>
Cardiff Pump Station	Moonlight Beach Pump Station	Phoebe Stormwater Pump Station	Eden Gardens Pump Station
Olivenhain Pump Station		Urban Runoff Treatment Facility	Solana Beach Pump Station
Coast Pump Station		Storm Drain Sediment Drying	San Elijo Hills Pump Station
			Fletcher Cove Pump Station
			Storm Drain Sediment Drying

Currently, the CSD remote facilities are nearing the use of contingency funding. The pump stations have seen a number of repairs requiring additional staff time as well as equipment repairs this year. As a result, the CSD pump station budget is expected to be fully utilized and the use of contingency funding could be required. This program has contingency funding of \$31,500.



Coast Pump Station showing completed electrical upgrades.

It is anticipated that the ESD pump station will be below budget this year. The contingency funding of \$12,000 should not be required resulting in a projection of \$17,000 under budget for the year. Utilities are projected to be \$4,000 under budget this year.

The Pheobe Storm Drain program is anticipated to end the year \$950 under budget.

The Urban Runoff Station program is anticipated to end the year \$920 under budget.

The Storm Drain Sediment Drying and Disposal program for the City of Encinitas is expected to be \$970 under budget this year.

The SB pump stations should be \$31,013 under budget this year. Savings should be seen in personnel, \$5,900, and contingency funding. Contingency funding of \$24,200 is not anticipated to be required this year.

The Storm Drain Sediment Drying and Disposal program for the City of Solana Beach is anticipated to be at budget this year.

Water Recycling Program

FY 2010-11 is the tenth full year of the Water Recycling Program. This program receives revenue from three water purveyors: San Dieguito Water District, Santa Fe Irrigation District, and the City of Del Mar. Water rates from these purveyors have continued to increase and, as of this time, have resulted in base recycled water rates of approximately \$1,102 per acre-foot (AF) compared to \$548 per AF when the program began. The program also receives performance incentives in the amount of \$250 per AF from the Metropolitan Water District (MWD) and \$200 per AF from the San Diego County Water Authority (SDCWA).

Budgeted revenue for this program is \$2,183,050, while actual revenues are anticipated to be \$1,946,394. Based on mid-year projections, the SEJPA could realize \$236,656 less in revenues than budgeted, due to decreased water sales. Water rates for potable water continue to increase, and wholesale recycled water rates have traditionally been indexed to 85% of the potable water rate. Sales volume could be off 280 acre-feet this year and the Board recently acted to temporarily detach the recycled water rate from the potable water rate in order to make the cost of recycled water more attractive to end users. The lost sales volume would result in lost MWD/SDCWA revenue of \$126,000 in addition to the lost revenue from the recycled water rates. Table 4 identifies recycled water revenues by source.

TABLE 4
Statement of Estimated Revenues through 6/30/11
Recycled Water Program

<i>Agency</i>	<i>Current Budget</i>	<i>Estimated Revenue</i>	<i>Over/ (Under)</i>	<i>Percent</i>
San Dieguito Water District	\$833,500	\$791,267	\$ (42,233)	95%
Santa Fe Irrigation District	629,440	552,971	(76,469)	88%
City of Del Mar	146,360	154,856	8,496	106%
Metropolitan Water District	255,000	198,800	(56,200)	78%
San Diego County Water Auth.	318,750	248,500	(70,250)	78%
Total	\$2,183,050	\$1,946,394	\$ (236,656)	89%

Budgeted operating expenditures total \$974,985 and estimated expenditures are projected to be \$893,237, resulting in a projected savings of \$81,748 for the program. Infrastructure debt service for the Water Recycling Program remains unchanged at the budgeted amount of \$834,675. The SEJPA has budgeted sufficient revenues to cover the cost of operations and maintenance as well as debt service for the recycling program for the current fiscal year.

TABLE 5
Statement of Estimated Expenditures through 6/30/11
Recycled Water Program

<i>Classification</i>	<i>Current Budget</i>	<i>Estimated Expenditures</i>	<i>Expected Savings</i>	<i>Percent Spent</i>
Personnel	\$428,870	\$424,920	\$ 3,950	99%
Non-Personnel	488,995	450,317	38,678	92%
Capital Outlay	18,000	18,000	0	100%
Sub-Total	\$935,865	\$893,237	\$ 42,628	95%
Contingency	39,120	0	39,120	0%
Total	\$974,985	\$893,237	\$81,748	92%

Overall, all of the SEJPA program expenditures are matching the budget estimates. While some individual programs have experienced unforeseen costs, the bottom line of each program is within budgeted expectations.

Respectfully submitted,



Gregory Lewis
Director of Finance/Administration

SAN ELIJO JOINT POWERS AUTHORITY
MEMORANDUM

February 14, 2011

TO: Board of Directors
San Elijo Joint Powers Authority

FROM: General Manager

SUBJECT: CONSIDER APPROVAL OF AN AGREEMENT FOR JOINT LOBBYING AND COST SHARING BETWEEN THE MEMBERS OF THE NORTH SAN DIEGO COUNTY REGIONAL RECYCLED WATER PROJECT (NSDCRRWP)

RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the General Manager to Execute Agreement for Joint Lobbying Cost Sharing; and
2. Discuss and take action as appropriate.

BACKGROUND

In the mid to late 1990's, the San Elijo Joint Powers Authority (SEJPA), Olivenhain Municipal Water District (OMWD), Leucadia Wastewater District (LWWD), and Carlsbad Municipal Water District (CMWD) jointly pursued federal grant funding under a cooperative project entitled North County Recycled Water Project. These agencies were successful in obtaining Bureau of Reclamation, Title XVI funding in the amount of \$20 million, which was shared among the agencies for their respective recycled water projects. The SEJPA received \$4.3 million which was used to help fund the construction of the agency's recycled water filtration and disinfection system, as well as the conveyance system.

In 2010, the SEJPA began working collaboratively with several local water districts to examine opportunities to expand recycled water use within north San Diego County. This effort evolved into a working group of eleven governmental organizations, including cities, water districts, and sanitation districts. This collaborative effort is called the North San Diego County Regional Recycled Water Project (NSDCRRWP), and includes the SEJPA, OMWD, LWWD, CMWD, Vallecitos Water District (VWD), Santa Fe Irrigation District (SFID), Vista Irrigation District (VID), City of Oceanside (CITY), City of Vista (VISTA), Rincon Del Diablo Municipal Water District (RINCON), and the City of Escondido (ESCONDIDO).

The group jointly retained an engineering firm (RMC Engineering) to prepare an engineering report to assist in identifying options for the regionalization of existing and planned reclamation

systems to further maximize the use of recycled water. Regionalization of facilities will allow recycled water to play an even more significant role in meeting the future water needs in the north San Diego County area, while minimizing the discharge of treated wastewater to the ocean.

The engineering report is nearing completion. The NSDCRRWP was successful in achieving Proposition 84 funding in the San Diego Integrated Regional Water Management Plan submittal to Department of Water Resources in the amount of \$1,500,000. The NSDCRRWP plans on using the Proposition 84 funding for design, engineering, and environmental work on the recycled water projects.

The agencies of the NSDCRRWP are also interested in pursuing federal funding for the design and construction of recycled water infrastructure. The agencies have agreed that Furman would be an agreeable lobbyist to all involved based on his knowledge of the agencies who are in the partnership and his past success. The likelihood of success in grant funding is greater via partnerships like NSDCRRWP, as regional benefit, integrated systems, and watershed concepts are favored for grant funding dollars.

DISCUSSION

All of the eleven partners are working to obtain approval from their respective councils or boards of the cost sharing agreement during the month of February. Per the Furman Group, the parties should plan on commencing their lobbying in Washington, DC in March at the latest. The attached contract provides for pursuit of an authorization for Title XVI funding. The intent will be to have as many congressional co-sponsors as possible since the NSDCRRWP benefits the entire region. It also anticipates that there will be an amendment to the contract between the agencies in the future, if we are successful with an authorization and move into the appropriation phase, which will allocate costs at that time based on benefits proportionately received from the appropriations.

While the RMC report is near completion, but not yet final, staff has attached (Exhibit A) several key pages from the report so that the Board can get a concept of the agencies involved, the projects, and the projected yields of the NSDCRRWP. As can be seen from the attachments, the report has identified well over the \$80,000,000 in projects to garner a 25% match in Title XVI funding. The group may decide to undertake the projects in phases and seek more than one authorization for funding in order to maximize the eligibility amounts.

FINANCIAL IMPACT

The annual total cost for the cost sharing agreement (Exhibit B) is \$120,010, which will be equally divided among the agencies. Staff estimates that the one-year cost of this agreement to the SEJPA is on the order of \$12,000 and funds are available in the Recycled Water Program Budget. This agreement will not obligate the SEJPA to participating for more than the current year, but multiple years of lobbying will likely be required to obtain grant funding. Any travel costs or staff time for each agency will be born separately by the individual agencies. All partners commit in the agreement to allow the necessary staff time to the project, which shall not be reimbursable by other agencies. Of note, is that the NSDCRRWP partners agreed to cost share the RMC contract last year at a cost of \$147,000 shared between eleven agencies. The net result so far is a Proposition 84 grant in the amount of \$1,500,000 between the eleven agencies. The NSDCRRWP project received the most grant funds of any project in the San Diego Region Proposition 84 application.

It is therefore recommended that the Board of Directors:

1. Authorize the General Manager to Execute Agreement for Joint Lobbying Cost Sharing; and
2. Discuss and take action as appropriate.

Respectfully submitted,



Michael T. Thornton, P.E.
General Manager

Attachments:

Exhibit A: Excerpts from RMC Report on NSDCRRWP
Exhibit B: Joint Lobbying and Cost Sharing Agreement

Exhibit A – Excerpts from RMC Report on NSDCRRWP

**Figure 5-1
Short-Term Project**

<ul style="list-style-type: none"> WWTP/WRP Recycled Water Tank/Reservoir City of San Diego Connection 	<p>Potential Future Pipelines</p> <ul style="list-style-type: none"> Long-Term Short-Term <p>Short-Term Project</p> <ul style="list-style-type: none"> Eastern Northern Southern Western <p>Existing Recycled Water Pipeline</p> <ul style="list-style-type: none"> Less than 12" 12" and Greater BSD Failsafe Outfall; 1 VWD Failsafe Outfall Oceanside Camp Pendleton Outfall Fallbrook Outfall City of Encinitos Outfall 	<p>Water Agencies</p> <ul style="list-style-type: none"> Carlsbad MWD Escondido Oceanside Olivehain MWD Rincon Del Diablo MWD Santa Fe ID San Dieguito WD Vallecitos WD Vista ID <p>Other Features</p> <ul style="list-style-type: none"> Major Roads Waterways Study Area Water Body
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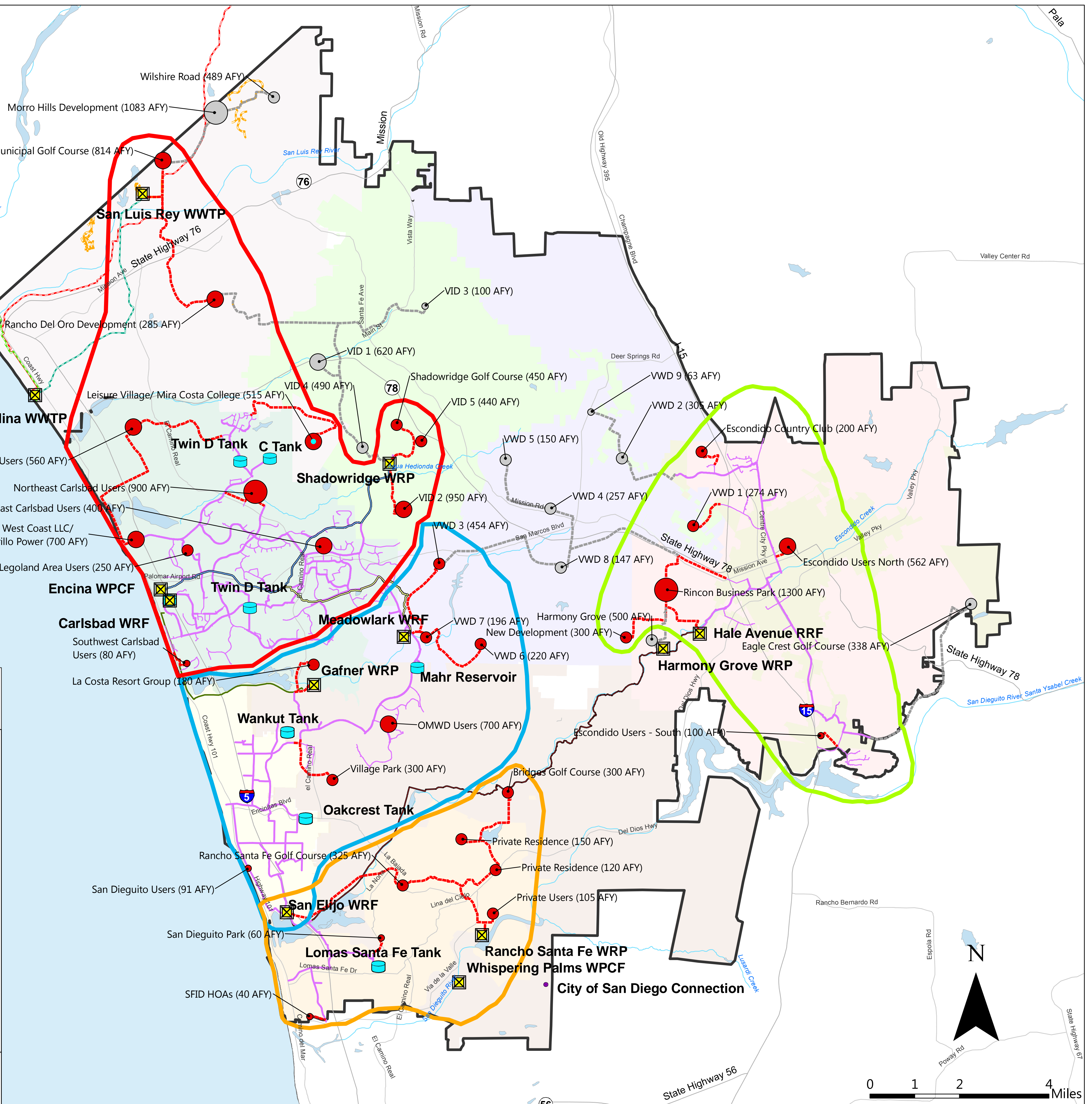
Potential Recycled Water Demand (AFY)

Short-Term

- 0 - 100 AFY
- 101 - 500 AFY
- 501 - 1,000 AFY
- > 1,000 AFY

Long-Term

- 0 - 100 AFY
- 101 - 500 AFY
- 501 - 1,000 AFY
- > 1,000 AFY



N

0 1 2 4 Miles

**Figure 4-2
Long-Term Project - Option A**

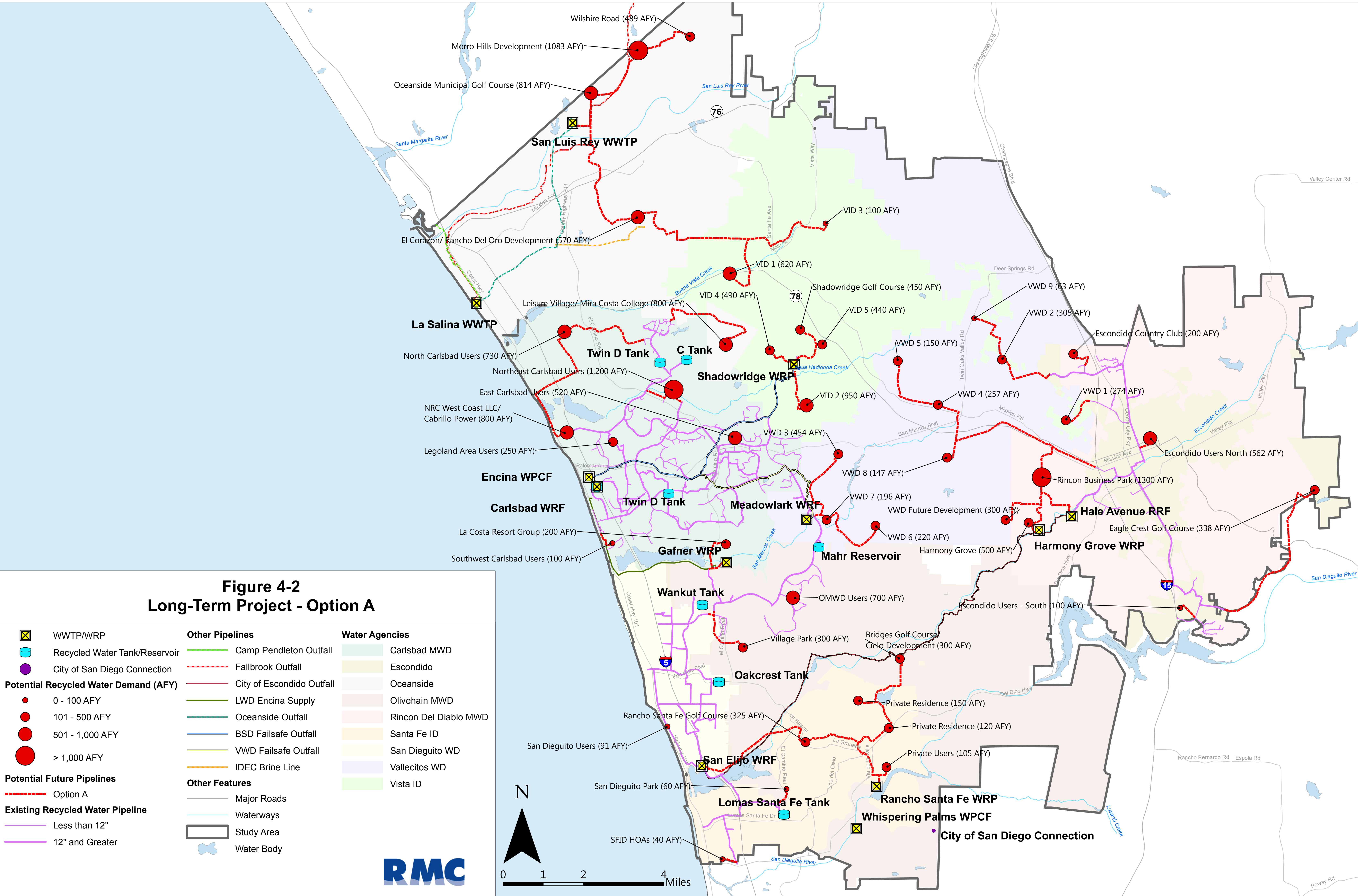
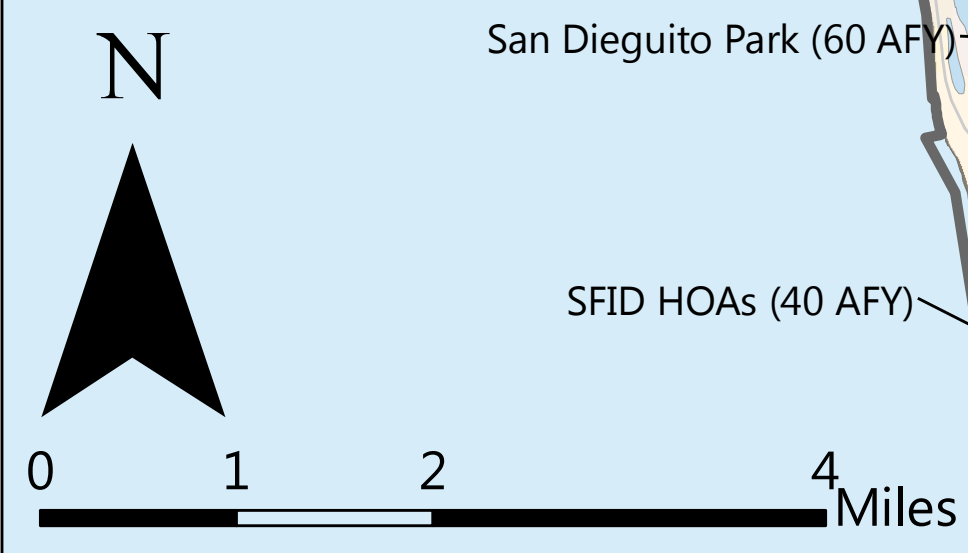
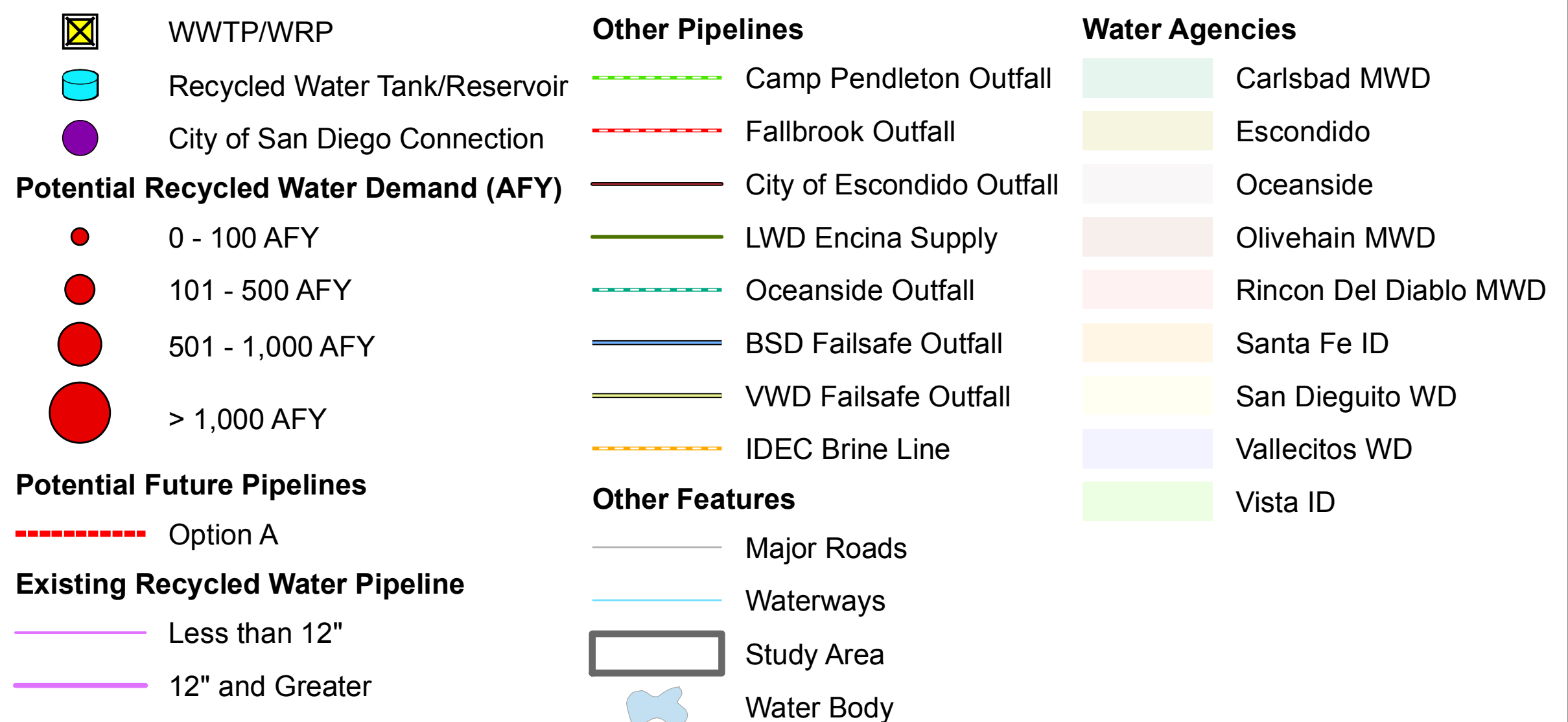
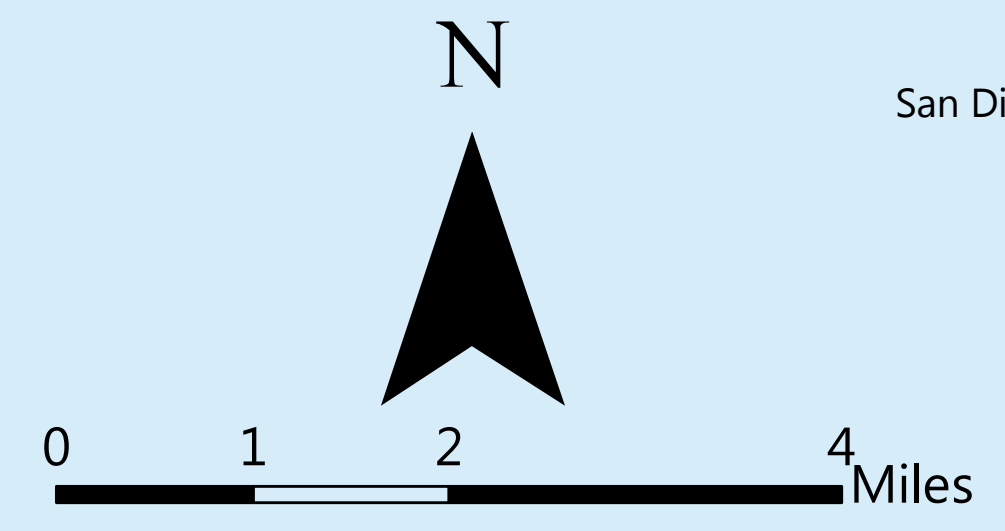
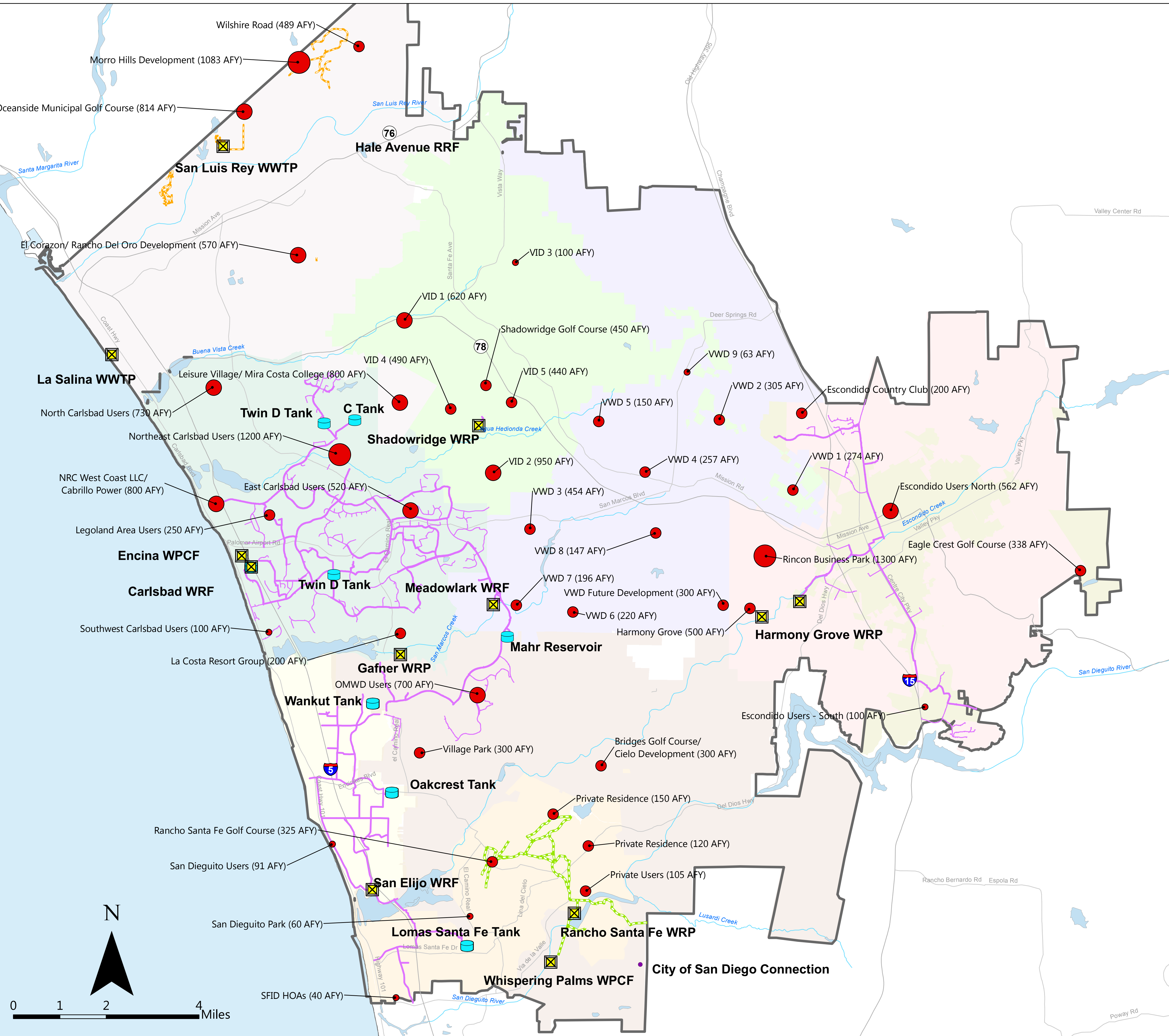


Figure 4-1 Potential Long-Term Future Recycled Water Demand

- | | | | | |
|--|-------------------------------|-----------------------|-----------------------|--------------|
| | WWTP/WRP | Water Agencies | | Carlsbad MWD |
| | Recycled Water Tank/Reservoir | | Escondido | |
| | City of San Diego Connection | | Oceanside | |
| Potential Recycled Water Demand (AFY) | | | Olivehain MWD | |
| | 0 - 100 AFY | | Rincon Del Diablo MWD | |
| | 101 - 500 AFY | | Santa Fe ID | |
| | 501 - 1,000 AFY | | San Dieguito WD | |
| | > 1,000 AFY | | Vallecitos WD | |
| Existing Recycled Water Pipeline | | | Vista ID | |
| | Less than 12" | Other Features | | Major Roads |
| | 12" and Greater | | Waterways | |
| Potential Future Pipelines | | | Study Area | |
| | Oceanside | | Water Body | |
| | Santa Fe Irrigation District | | | |



Treatment Plant Capacity and Flow Summary

Treatment Facility Name	Planning Year 2010 (Existing Condition)				Short Term - Planning Year 2020				Long Term - Planning Year 2030			
	Treatment Capacity (MGD)		Average Daily Flow (MGD)		Treatment Capacity (MGD)		Average Daily Flow (MGD)		Treatment Capacity (MGD)		Average Daily Flow (MGD)	
	Secondary	Tertiary	Secondary	Tertiary	Secondary	Tertiary	Secondary	Tertiary	Secondary	Tertiary	Secondary	Tertiary
Carlsbad WRP	N/A	4.00		3.00	N/A	4.00	N/A	4.00	N/A	12.00	N/A	12.00
Encina WPCF	40.50		25.00		40.50		34.00		43.00		40.00	
Gafner WRP	N/A	1.00		0.23	N/A	1.00	N/A	0.23	N/A	1.00	N/A	0.23
Hale Avenue RRF	18.00	9.00	13.00	4.26	21.00	18.00	21.00	15.00	27.50	20.00	25.00	18.00
Harmony Grove WRP					0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
La Salina WWTP	5.50		3.00		5.50		3.00		5.50		3.00	
Meadowlark WRP	5.00	5.00	3.74	3.74	5.00	5.00	4.50	4.50	5.00	5.00	4.50	4.50
San Elijo WRF	5.25	2.50	3.10	1.20	5.25	3.00	3.10	2.40	5.25	3.00	3.10	2.40
San Luis Rey WWTP	13.50	0.70	9.70	0.35	13.50	3.15	9.70	1.58	17.40	7.50	12.50	5.00
Shadowridge WRP					2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	87.8	22.2	57.5	12.8	93.0	36.4	77.5	29.9	105.9	50.7	90.3	44.3

**North San Diego County Regional Recycled Water Project
Recycled Water Demand Summary**

Agency	Average Annual Non-Potable Demand (AFY)				
	Existing/ Comitted	Additional Short-Term	Subtotal	Additional Long-Term	Total
Carlsbad MWD	4,937	3,040	7,977	760	8,737
City of Escondido	771	662	1,433	338	1,771
City of Oceanside	119	1,614	1,733	2,142	3,875
Olivenhain MWD	1,000	1,300	2,300	-	2,300
Rincon Del Diablo MWD	3,279	1,500	4,779	500	5,279
San Dieguito Water District	765	91	856	-	856
Santa Fe Irrigation District	510	800	1,310	-	1,310
Vallecitos Water District	-	1,444	1,444	922	2,366
Vista Irrigation District	-	1,840	1,840	1,210	3,050
Total	11,381	12,291	23,672	5,872	29,544

**North San Diego County Regional Recycled Water Project
Short Term Recycled Water Demand Summary by Area**

Agency	Additional Short Term Non-Potable Demand (AFY)				
	North	South	East	West	Total
Carlsbad MWD	2,800	-	-	200	3,000
City of Escondido	-	-	700	-	700
City of Oceanside	1,600	-	-	-	1,600
Olivenhain MWD	-	300	-	1,000	1,300
Rincon Del Diablo MWD	-	-	1,500	-	1,500
San Dieguito Water District	-	-	-	100	100
Santa Fe Irrigation District	-	800	-	-	800
Vallecitos Water District	-	-	600	800	1,400
Vista Irrigation District	1,800	-	-	-	1,800
Total	6,200	1,100	2,800	2,100	12,200

Exhibit B – Agreement

JOINT LOBBYING AND COST SHARING AGREEMENT

WHEREAS, Olivenhain Municipal Water District (OMWD), Carlsbad Municipal Water District (CMWD), Vallecitos Water District (VWD), Santa Fe Irrigation District (SFID), Vista Irrigation District (VID), City of Oceanside (City), Leucadia Wastewater District (LWWD), San Elijo Joint Powers Association (SEJPA), City of Vista (Vista), Rincon del Diablo Municipal Water District (Rincon), and the City of Escondido (Escondido) have cooperated in order to develop a recycled water project for north San Diego County generally known as the North San Diego County Regional Recycled Water Project (NSDCRRWP);

WHEREAS, OMWD, CMWD, LWD, and SEJPA have cooperated in the past to successfully lobby for federal grant funding support for the first north county regional recycled water project known as the North County Recycled Water Project; and

WHEREAS, the parties have executed an agreement to retain RMC to prepare a feasibility report for the project; and

WHEREAS, the parties to the present agreement desire to jointly lobby and cost share in order to pursue federal grant funding for the NSDCRRWP, a new project that would interconnect and maximize recycled water use in north San Diego County among the parties to this agreement to the benefit of all of these agencies' respective customers; and

WHEREAS, the parties intend to seek a 20 million dollar authorization in Title XVI funding for the NCWPPII, which represents a 25% federal cost share; and

WHEREAS, the parties have already submitted for Proposition 84 and have been awarded funding via the San Diego County Water Authority, which is a permissible local share match to the federal Title XVI funding; and

WHEREAS, the parties have also submitted for State Water Resources Quality Board (SWRQB) grant funding to offset the feasibility report costs; and

WHEREAS, it is the intent and purpose of this Agreement to retain The Furman Group (Furman) in support of this agreement and lobbying effort for the NSDCRRWP and to specify the time and manner in which payment will be made to Furman.

NOW, THEREFORE, the parties hereto agree as follows:

1) **Term.** The foregoing recitals are true and correct. The term of this agreement shall be for one year from February 9th, 2011. Amendments may be executed by the parties as necessary and agreed upon in writing.

2) **Cost Share and Scope.** The parties shall equally pay the costs of the Furman contract in order to seek an authorization for Title XVI funding in the amount of 20 million dollars, which represents a 25% cost share. The scope and fee for the Furman contract is attached as Exhibit A. Based on joint participation by 11 partners, the annual cost for services, not including out of pocket expenses, is anticipated to be \$10,910 per participating agency per year.

3. **Future Amendments Anticipated.** It is the intent of the parties to pursue the federal authorization funding jointly and to cost share the costs of achieving the authorization equally. Once an authorization is secured via both the House and the Senate, the parties will enter into an amendment to this agreement whereby the annual costs for securing appropriations are shared based on each parties pro rata amount received for their agency's recycled projects.

4. **Out of Pocket Expenses by Furman.** Out-of-pocket expenses will be invoiced by Furman to OMWD on a monthly basis and will be shared equally by all parties. It is anticipated that out of pocket expenses shall not exceed a total of \$8,000 in one year.

5. **Payment.** Each party shall make its semi-annual payments of \$5,818 to OMWD according to the following schedule, and OMWD shall add its semi-annual payment to the rest of the payments, making one (1) full payment twice per year to Furman as described below:

PAYMENT	DUE TO OMWD	DUE TO THE FURMAN GROUP
First Payment	March 1, 2011	March 15, 2011
Second Payment	September 1, 2011	September 15, 2011

6. **Other Parallel Agreements.** The parties further understand that the Bureau of Reclamation requires feasibility plan to be submitted and approved prior to the authorization of Title XVI funding. The parties acknowledge that they are undertaking a separate agreement via an RFP to retain an engineering consultant to prepare a complete report and package that can be utilized to apply for federal and state funding and that may also be utilized in order to secure Bureau of Reclamation feasibility approval for the authorization under Title XVI. A separate consultant may be retained by the parties in the future for the processing of feasibility approval(s).

7. **Administrator of Contract.** OMWD shall act as the administrator for the Furman contract at no charge to the parties, provided that OMWD shall have no obligation to advance funds to Furman on behalf of the other parties if funds are not deposited in a timely manner with OMWD. OMWD will administer the Furman contract as a convenience only and assumes no other responsibility under said contract on behalf of the other parties. OMWD shall receive monthly reports from Furman and share them with the other parties. All parties may agree to meet with Furman for consultation and reports as needed or requested.

8. **Records.** OMWD shall provide copies of all Furman invoices, payments to Furman, and fund requests upon request to the OMWD Finance Manager. All parties shall have the right to comment on these records and request corrections thereto if necessary.

9. **Miscellaneous Costs.** Any party's out of pocket costs for travel, meetings with the Bureau of Reclamation, House or Senate representatives that are incurred by the staff, individual agency's lobbyist or Board members of individual agencies shall be borne by each agency as their own costs in support of this Agreement and shall not be subject to reimbursement by other parties to this Agreement.

10. **Ability to Terminate Agency Participation.** In the event that any party to this Agreement notifies all other parties in writing of its intent to terminate participation in this joint Agreement, no refunds of any monies already paid will be reimbursed and the party will have no further interest or right in this Agreement or the federal or state funding being pursued. The remaining parties agree to adjust their future cost sharing on an equal basis among the remaining parties.

11. The effective date of this Agreement is _____.

DATED: _____

OLIVENHAIN MUNICIPAL WATER DISTRICT (OMWD)

By: _____
Kimberly Thorner, General Manager

DATED: _____

CARLSBAD MUNICIPAL WATER DISTRICT (CMWD)

By: _____
Glenn Pruim, Utilities Director

DATED: _____

VALLECITOS WATER DISTRICT (VWD)

By: _____
Dennis Lamb, General Manager

DATED: _____

SANTA FE IRRIGATION DISTRICT (SFID)

By: _____
Mike Bardin, General Manager

DATED: _____

VISTA IRRIGATION DISTRICT (VID)

By: _____
Roy Coox, General Manager

DATED: _____

CITY OF OCEANSIDE (CITY)

By: _____
Cari Dale, Water Utilities Director

DATED: _____

**CITY OF VISTA/BUENA SANITATION
DISTRICT (VISTA)**

By: _____
Rita Geldert, District Manager

DATED: _____

**LEUCADIA WASTEWATER DISTRICT
(LWWD)**

By: _____
Paul Bushee, General Manager

DATED: _____

**SAN ELIJO JOINT POWERS AUTHORITY
(SEJPA)**

By: _____
Mike Thornton, General Manager

DATED: _____

**RINCON DEL DIABLO MUNICIPAL WATER
DISTRICT (RINCON)**

By: _____
Mitchell Dion, General Manager

DATED: _____

CITY OF ESCONDIDO, (ESCONDIDO)

By: _____
Lori Vereker, Public Works Director

EXHIBIT A to Joint Lobbying and Cost Sharing Agreement
FURMAN SCOPE

August 16, 2010

Ms. Kimberly Thorner
General Manager
Olivenhain Municipal Water District
1966 Olivenhain Road
Encinitas, CA 92024

Dear Ms. Thorner:

Thank you for providing The Furman Group with this opportunity to present our qualifications to provide government relations consulting services to the Olivenhain Municipal Water District, the Santa Fe Irrigation District, the San Elijo Joint Powers Authority, the City of Carlsbad, the City of Oceanside, the Vallecitos Water District, the Leucadia Wastewater District, the City of Escondido, Rincon del Diablo Water District and the Vista Irrigation District ("Coalition"). We sincerely appreciate your interest in our firm and look forward to working with you should you and your Coalition members choose to retain The Furman Group.

STATEMENT OF CAPABILITIES

With offices in Washington, D.C. and San Diego, California, The Furman Group provides specialized consulting and government relations assistance to both public agencies and private clients in the defined areas of water and wastewater infrastructure development, and federal land use and environmental regulation. One of the firm's major practice areas is helping local governments access federal funds for public infrastructure projects. The Furman Group possesses a unique understanding of California water and environmental issues and maintains close ties to the California Congressional Delegation, the key infrastructure committees in the Congress as well as federal agencies with jurisdiction over water infrastructure programs, most notably the U.S. Army Corps of Engineers and U. S. Bureau of Reclamation.

Founded in 1992 by Harold W. Furman II, a nationally recognized expert in water and infrastructure policy, The Furman Group's team of professionals has supported our clients in developing and financing important public works projects. Mr. Furman also serves as the Executive Director of the New Water Supply Coalition, a national advocacy group comprised of water agencies from across the country. The coalition is pursuing innovative legislation that would give water agencies the ability to issue tax credit bonds to finance desalination, water recycling and groundwater remediation projects.



During the past two decades, our firm has assisted numerous communities and public water agencies throughout the country to secure access to over \$300 million in federal funding for water, sanitation and other infrastructure projects. During that same period, we have planned and executed government relations strategies that have resulted in over \$350 million in project authorizations for our clients.

We have a demonstrated record of success. The following are a few examples of some of our notable accomplishments:

- Over \$300 million in appropriations for water projects since 1992;
- Successfully advocated for authorization of over \$100 million through the Water Resources Development Act for water related Environmental Infrastructure and Rural Development Projects. These projects were funded through the U. S. Army Corps of Engineers;
- Conceived, drafted and advocated for the passage of the legislation that authorized the Bureau of Reclamation's Title XVI Water Recycling Program in 1992;
- Successfully advocated for the expansion of the Title XVI Program authorization to include five new projects in 1996; and four additional projects to date;
- Successfully advocated for the passage of an \$85 million authorization for the clean up of the San Gabriel Groundwater Basin and a subsequent reauthorization for an additional \$50 million for the project. Secured the appropriation of \$78 million pursuant to that authorization;
- Assisted our clients in securing over \$45 million in EPA Special Needs Grant appropriations for water and sewer system improvements.

STRATEGY AND SCOPE OF WORK

Based on recent conversations, we understand that the Coalition is seeking assistance in obtaining federal funding for a proposed joint water recycling project in North San Diego County. This project will expand the treatment and storage capacities at various facilities within Coalition member jurisdictions and will construct the necessary distribution lines to interconnect all Coalition facilities to create an integrated recycled water system. Based on this information, we recommend that the Coalition seek a new Congressional authorization to receive funding from the Bureau of Reclamation ("Bureau") through the Title XVI Water Recycling Program.

We propose to develop legislation that would authorize the Bureau to participate in the design, planning, and construction of the component projects associated with the North San Diego Joint Recycled Water Project. The Bureau would be authorized to contribute up to twenty five percent of the total costs of this project on a reimbursable

basis. We would seek to have this legislation introduced in the House of Representatives by Congressman Brian Bilbray who represents the service areas of the project. We would also seek to have a companion measure introduced in the United States Senate by Senator Dianne Feinstein. As you may recall, this is the same strategy that The Furman Group proposed for the North San Diego Area Water Recycling Project which ultimately resulted in a \$20 million federal contribution to the project.

Ensuring that this legislation is passed in a timely manner will require a significant amount of work. This will involve close coordination with the Committee staffs in the House and the Senate and the legislative staffs in the Members' offices. We would work with the professional staffs of the House Natural Resources Committee and the Senate Energy & Natural Resources Committee to ensure that prompt hearings will be held on the legislation so that it can proceed to a vote in both committees. We would also be working with you to prepare testimony to be presented at the hearing and to prepare our selected witnesses for the hearing. In addition, we would work with you to develop letters of support for the legislation from various cities, private interests, and environmental organizations.

Once the project is authorized to receive federal funds, The Furman Group would focus on the appropriations process. The annual appropriations bills that fund all functions of the federal government are the only pieces of legislation that Congress is absolutely required to pass during each legislative session. For this reason, the appropriations process is run under very strict deadlines, and having someone on the ground in Washington is critical. The Furman Group would handle all requirements associated with this process and utilize our experience and strategic contacts with the appropriate committees to make the process run smoothly. This would include: drafting all request letters to the California delegation members who represent the Coalition member's service areas and working to ensure that these requests become a priority; coordinating visits to Washington for Coalition member officials by scheduling all appropriate meetings on Capitol Hill and with the Administration; assist the California delegation by drafting all required request letters and completing all forms for the subcommittees by mandatory deadlines; and monitoring the movement of the legislation throughout the legislative process.

As mentioned above, The Furman Group has a very successful track record in securing similar authorizations and subsequent appropriations for our clients. Combined with our excellent working relationship with the California Congressional Delegation, the House and Senate Energy and Natural Resources Committees and both the House and Senate Energy and Water Development Appropriations Committee staffs, we feel confident that we can be an effective advocate on your behalf.

FEES AND EXPENSES

The Furman Group provides professional government relations services to its clients based upon an annual retainer that may be paid monthly or quarterly (in advance) plus out of pocket expenses directly related to our representation. Out of pocket expenses

are invoiced on a monthly basis. Out-of-pocket expenses include travel, taxi fares, telephone, mail, facsimile, computer aided research, courier, and related charges directly attributable to our representation.

Our retainers are based, in part, upon the time that we estimate the representation will require on the part of our professionals, the difficulty of the projects in comparison to other projects, and such intangibles as the amount of political capital that will be necessary for the firm to expend to accomplish the client's goals. Our proposed fee to undertake this representation would be \$10,000 per month plus out-of-pocket expenses.

CONCLUSION

Once again, thank you for providing us the opportunity to present you with this proposal. In order to provide you with further insight into The Furman Group, we invite you to visit our website at www.FurmanGroup.com. I look forward to discussing our qualifications with you at a mutually convenient time.

Sincerely,



Harold W. Furman II
Chairman and Managing Director