



Yucaipa Valley Water District

12770 Second Street, Yucaipa, California 92399 Phone: (909) 797-5117

Notice and Agenda of a Regular Meeting of the Board of Directors

Wednesday, May 18, 2011 at 6:00 p.m.

- I. CALL TO ORDER - Pledge of Allegiance
- II. ROLL CALL
- III. PUBLIC COMMENTS - At this time, members of the public may address the Board of Directors on matters within its jurisdiction. To provide comments on specific agenda items, please complete a speaker's request form and provide the completed form to the Board Secretary prior to the board meeting.
- IV. CONSENT CALENDAR - All matters listed under the Consent Calendar are considered by the Board of Directors to be routine and will be enacted in one motion. There will be no discussion of these items prior to the time the board considers the motion unless members of the board, the administrative staff, or the public request specific items to be discussed and/or removed from the Consent Calendar. The General Manager recommends approval of the following:
 - A. Minutes of Meetings
 1. Regular Board Meeting - May 4, 2011
 2. Board Workshop - May 10, 2011
 - B. Payment of Bills
 1. Approve/Ratify Invoices of Board Awarded Contracts
 2. Approve General Expenses for April 2011
- V. BOARD REPORTS
 - A. Yucaipa Valley Water District Board Workshop - May 10, 2011
 - B. State of the City of Calimesa Meeting - May 12, 2011
 - C. City of Yucaipa Economic Development Advisory Committee - May 12, 2011
 - D. Association of San Bernardino County Special District Meeting - May 16, 2011
 - E. Reports by Board Members

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Chelsie Fogus at (909) 797-5118 at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this agenda submitted to the Board of Directors after distribution of the board meeting packet are available for public inspection during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting material may also be available on the District's website at www.yvwd.dst.ca.us

VI. STAFF REPORT

VII. DISCUSSION ITEMS

- A. Presentation of the Unaudited Financial Report for April 2011

[\[Director Memorandum No. 11-040 - Page 24 of 122\]](#)

RECOMMENDED ACTION: That the Board receives and files the unaudited financial report as presented.

- B. Declaration and Identification of Bad Debts for 2009

[\[Director Memorandum No. 11-041 - Page 51 of 122\]](#)

RECOMMENDED ACTION: That the Board authorizes the District staff to recognize bad debts in the amount of \$39,604.20 for calendar year 2009.

- C. Notice of Completion for the Installation of a 12-Inch Recycled Water Pipeline in 7th Street from Yucaipa Boulevard to Chapman Heights Road

[\[Director Memorandum No. 11-042 - Page 52 of 122\]](#)

RECOMMENDED ACTION: That the Board authorizes District staff to record a Notice of Completion and release the retention amount of \$3,465.00 thirty-five days after the recorded date.

- D. Ratification of Agreement Modification No. 004 to the Cooperative Funding Agreement with the United States Department of the Interior, Bureau of Reclamation Related to the Yucaipa Valley Regional Brineline Project

[\[Director Memorandum No. 11-043 - Page 58 of 122\]](#)

RECOMMENDED ACTION: That the Board ratifies the execution of Modification No. 004 to the Cooperative Agreement No. R10AC35R03 with the Bureau of Reclamation.

- E. Authorization to Distribute a Notification of Rate Adjustment Pursuant to Proposition 218

[\[Director Memorandum No. 11-044 - Page 61 of 122\]](#)

RECOMMENDED ACTION: That the Board authorizes the distribution of a rate adjustment notice and directs District staff to set a time and date for the public hearing pursuant to Proposition 218.

- F. Contract for Professional Services Related to an Antidegradation Analysis and Assessment for the Beaumont Management Zone

[\[Director Memorandum No. 11-045 - Page 70 of 122\]](#)

RECOMMENDED ACTION: That the Board ratifies the increased water quality modeling effort of \$5,500 for a total contract contribution of \$17,500 to Wildermuth Environmental.

- G. Preliminary Engineering Analysis of the Wochholz Improved Salinity Effluent (WISE) Project

[\[Director Memorandum No. 11-046 - Page 113 of 122\]](#)

RECOMMENDED ACTION: That the Board authorizes the approval of Amendment No. 2 to Task Order No. 13 with Separation Processes in the amount of \$50,000 for CAD design of the WISE Project at the Wochholz Regional Water Recycling Project.

VIII. DIRECTORS COMMENTS

IX. CLOSED SESSION

- A. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: IBEW Local Union 14356 - YVWD Employees Association
- B. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Supervisor Bargaining Unit
- C. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Confidential Employee Bargaining Unit
- D. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Exempt Employee Bargaining Unit
- E. Conference with Labor Negotiator (Government Code 54957.6)
Unrepresented Employee: Joseph Zoba, General Manager

X. ANNOUNCEMENTS

- A. May 19, 2011 at 7:00 p.m. - San Bernardino Valley Municipal Water District Advisory Commission Meeting
- B. May 24, 2011 at 4:00 p.m. - Board Workshop
- C. June 1, 2011 at 6:00 p.m. - Regular Board Meeting
- D. June 3, 2011 at 8:00 a.m. - Ribbon Cutting for the San Bernardino Valley Water Conservation Demonstration Garden at California State University San Bernardino
- E. June 7, 2011 at 4:00 p.m. - Board Workshop
- F. June 15, 2011 at 6:00 p.m. - Regular Board Meeting
- G. June 20, 2011- Association of San Bernardino County Special District Meeting
- H. June 28, 2011 at 4:00 p.m. - Board Workshop
- I. July 6, 2011 at 6:00 p.m. - Regular Board Meeting

XI. ADJOURNMENT

CONSENT CALENDAR

MINUTES OF A REGULAR BOARD MEETING

May 4, 2011

Directors Present:

Jay Bogh, President
Bruce Granlund, Vice President
Ian Cuthbertson, Director
Lonni Granlund, Director
Hank Wochholz, Director

Staff Present:

Joseph Zoba, General Manager
Jack Nelson, Assistant General Manager
Brent Anton, Engineering Integrator
Jennifer Ares, Resource Sustainability Mgr.
Chelsie Fogus, Engineering Tech. I

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Aklufi & Wysocki

Others Present:

Bill Brown, News Mirror
Bill Dickson, SGPWA
Ray Morris, SGPWA

The regular meeting of the Board of Directors of the Yucaipa Valley Water District was called to order by Director Jay Bogh at 6:00 p.m. on Wednesday, May 4, 2010, at the General Office Building, 12770 Second Street, Yucaipa, California.

CALL TO ORDER

Director Jay Bogh led the pledge of allegiance.

FLAG SALUTE

The roll was called. All Directors were present.

ROLL CALL

There were no requests to speak from the audience.

PUBLIC COMMENTS

Director Lonni Granlund moved to approve the consent calendar and Director Hank Wochholz seconded a motion that carried unanimously to approve the consent calendar.

CONSENT CALENDAR
MOTION NO. 1

Consent Calendar:

- A. Minutes of Meetings
 - 1. Regular Board Meeting - April 20, 2011
 - 2. Board Workshop - April 26, 2011

BOARD REPORTS:

Director Lonni Granlund reported on the Yucaipa Valley Chamber of Commerce 18th Annual State of the City Luncheon on April 22, 2011.

YUCAIPA VALLEY
CHAMBER OF COMMERCE
STATE OF THE CITY

Director Hank Wochholz reported on items discussed at the workshop on April 26, 2011.

WORKSHOP

None

OTHER BOARD REPORTS

General Manager Zoba reported on the following items:

STAFF REPORT

- Updated 2011 Meeting Calendar;
- Budget Workshop is scheduled for Wednesday, May 25, 2011 at 4:00 p.m.

There were no questions from the members of the Board.

DISCUSSION ITEMS:

Engineering Project Integrator Anton provided an overview of Director Memorandum 11-034 - Approval of Development Agreement No. 04-2011 Related to Parcel Map No. 18337 (Assessor's Parcel Number 0303-131-76), Yucaipa. There being no questions, Director Lonni Granlund moved, Director Hank Wochholz seconded a motion that carried unanimously to approve Development Agreement No. 04-2011 with J.B. Real Estate Holdings for Parcel Map Number 18337 as presented.

DM 11-034
APPROVAL OF
DEVELOPMENT
AGREEMENT NO. 04-2011
RELATED TO PARCEL MAP
NO. 18337
MOTION NO. 2

Engineering Integrator Anton provided an overview of Director Memorandum 11-035 - Request for Pipeline Reimbursement to be Applied to Water and Sewer Development Impact Fees for Twelve Homes in Tract Map No. 26811, Calimesa. There being no questions, Director Ian Cuthbertson moved and Director Bruce Granlund seconded a motion that carried unanimously to assign the pipeline reimbursement in the amount of \$190,900 to twelve homes within Tract No. 26811 in the amount of \$188,028 with the remaining sum of \$2,872 allocated to Work Order No. 65-265 as presented.

DM 11-035
REQUEST FOR PIPELINE
OVERSIZING
REIMBURSEMENT TO BE
APPLIED TO WATER AND
SEWER DEVELOPMENT
IMPACT FEES FOR
TWELVE HOMES IN TRACT
MAP NO. 26811
MOTION NO. 3

General Manager Zoba provided an overview of Director Memorandum 11-036 - Issuance of Task Order No. 6 to Krieger & Stewart for the Design of the Recycled Water Reservoir R-10.3 and Booster Facility. There being no questions, Director Hank Wochholz moved and Director Ian Cuthbertson seconded a motion that carried unanimously to approve Task Order No. 6 for a sum not to exceed \$233,500 as presented.

DM 11-036
ISSUANCE OF TASK
ORDER NO. 6 TO KRIEGER
& STEWART FOR THE
DESIGN OF THE
RECYCLED WATER
RESERVOIR R-10.3 AND
BOOSTER FACILITY
MOTION NO. 4

Assistant General Manager Nelson provided an overview of Director Memorandum 11-037 - Renewal of Independent Consultant Contract with G & G Environmental for Pretreatment and Brineline Related Services. There being no questions, Director Ian Cuthbertson moved and Director Lonni Granlund seconded a motion that carried unanimously to approve the independent consultant contract as

DM 11-037
RENEWAL OF
INDEPENDENT
CONSULTANT CONTRACT
WITH G & G
ENVIRONMENTAL FOR

presented.

PRETREATMENT AND
BRINELINE RELATED
SERVICES
MOTION NO. 5

Assistant General Manager Nelson provided an overview of Director Memorandum 11-038 - Legislative Update - Senate Bill 34 (Simitian) and Senate Bill 244 (Wolk). There being no questions, Director Lonni Granlund moved and Director Ian Cuthbertson seconded a motion that carried unanimously to authorize District staff to prepare letters of opposition related to SB 34 and SB 244 as presented.

DM 11-038
LEGISLATIVE UPDATE
SENATE BILL 34 AND
SENATE BILL 244
MOTION NO. 6

General Manage Zoba provided an overview of Director Memorandum 11-039 - Authorization to Distribute a Notification of Rate Adjustment Pursuant to Proposition 218 and recommended that this item be continued to the next Board Workshop on May 10, 2011.

DM 11-039
AUTHORIZATION TO
DISTRIBUTE A
NOTIFICATION OF RATE
ADJUSTMENT PURSUANT
PROPOSITION 218
ITEM CONTINUED

Director Lonni Granlund asked if there have been any requests for tours. Resource Sustainability Manager Ares stated that she has scheduled a tour of the Yucaipa Valley Regional Water Filtration Facility with members of Beaumont Cherry Valley Water District and a tour of the Wochholz Regional Water Recycling Facility with Hope Christian School.

DIRECTOR COMMENTS

There being no further business, the meeting was adjourned at 6:30 p.m.

ADJOURNMENT

Respectfully submitted,

Joseph B. Zoba, Secretary

(Seal)

MINUTES OF A BOARD WORKSHOP

May 10, 2011 at 4:00 P.M.

Directors Present:

Jay Bogh, President
Bruce Granlund, Vice President
Ian Cuthbertson, Director
Lonni Granlund, Director
Hank Wochholz, Director

Staff Present:

Joseph Zoba, General Manager
Jack Nelson, Assistant General Manager
Brent Anton, Engineering Project Integrator
Jennifer Ares, Resource Sustainability Mgr
Vicky Elisalda, Controller
John Hull, Public Works Manager
Chelsie Fogus, Engineering Tech I

Directors Absent:

None

Consulting Staff Present:

David Wysocki, Aklufi & Wysocki

Others Present:

Bill Brown, News Mirror
Richard Siegmund, Sigland & Associates
Ray Morris, SGPWA
Bill Dickson, SGPWA

The items listed below were presented for discussion. No decisions were reached.

- I. Call to Order - 4:00 p.m.
- II. Public Comments - None
- III. Staff Comments - Resource Sustainability Manager Ares reported on the following items:
 - Hope Christian School students tour of the Wochholz Regional Water Recycling Facility;
 - Urban Water Management Plan
 - Solar Challenge - Friday, May 13, 2011 - Sunday, May 15, 2011
 - Iris Festival - Friday, May 20, 2011 - Sunday, May 22, 2011
- IV. Capital Improvement Projects
 - A. Status Report on the Design of the Salt Removal Process at the Wochholz Regional Water Recycling Facility [Workshop Memorandum No. 11-066] - General Manager Zoba provided an update of the CAD design work to date by SPI.
 - B. Status Report on the Construction of the Yucaipa Valley Regional Brineline [Workshop Memorandum No. 11-067] - Engineering Project Integrator Anton provided an update of the status on the construction of the Yucaipa Valley Regional Brineline Project.
 - C. Status Report on the Construction of Drinking Water Pipelines in Second Street, Yucaipa [Workshop Memorandum No. 11-068] - Engineering Project Integrator

Anton provided an update of the status on the 30" and 8" drinking water pipelines in Second Street, Yucaipa.

V. Administrative Issues

- A. Discussion Regarding the Unaudited Financial Report for April 2011 [Workshop Memorandum No. 11-069] - Controller Elisalda presented the unaudited financial report for April 2011.
- B. Identification and Declaration of Bad Debt for 2009 [Workshop Memorandum No. 11-070] - Controller Elisalda provided an overview of bad debt for calendar year 2009.
- C. Notice of Completion for the Recycled Water Pipeline in 7th Street from Yucaipa Boulevard to Chapman Heights Road [Workshop Memorandum No. 11-071] - Engineering Project Integrator Anton provided an overview of the completion of the Water Pipeline in 7th Street from Yucaipa Boulevard to Chapman Heights Road.
- D. Modification No. 004 to the Bureau of Reclamation Cooperative Agreement for Funding of the Regional Brineline Project [Workshop Memorandum No. 11-072] - General Manager Zoba provided an overview of Modification No. 4 to the Bureau of Reclamation Cooperative Agreement for Funding of the Regional Brineline Project.
- E. Proposed Proposition 218 Notification Related to Salinity Management Issues [Workshop Memorandum No. 11-073] - General Manager Zoba provided an overview of the draft notification regarding the proposed Proposition 218.

VI. Closed Session - None

VII. Directors Comments - There were no comments by directors.

VIII. Adjournment - The meeting was adjourned at 6:25 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary

(SEAL)

Board Awarded Contracts
Consent Calendar Regular Meeting - May 18, 2011

District Awarded Contracts	Director Memorandum	Job or GL No.	Job Cost Breakdown	Awarded Contract Amount	Prior Payments to Date	Pending Invoice Amount	Total Contract Payments	Remaining Contract Amount	Percent Remaining	Encumbered Funds - Remaining Contract Amount					
										General Operating Expenses	Water Division Funds	Sewer Division Funds	Non-Potable Division Funds	Other Funds	
Aklufi & Wysocki - FY 2011 Legal Services	--	*-5-06-54107	--	--	\$107,633	\$7,670	\$115,303								
Barber-Webb Company															
Repair the equalization basin liner at WRWRF	10-075	88-8479	\$23,227	\$27,305	\$10,056	\$0	\$10,056	\$17,249	100%	\$17,249					
CO#1 - Repair the equalization basin liner at WRWRF	10-095		\$4,078												
DDB Engineering															
Prep of the Discharge Permit Appl for WRWRF	10-070	03-5-06-54109		\$44,300	\$15,135	\$0	\$15,135	\$29,165	66%	\$29,165					
Delta Partners \$90,000 per year - Legislative Consult (exp 12/13) W/S	09-007	*-5-06-54109	--	\$90,000	\$22,500	\$7,500	\$30,000	\$60,000	67%	\$60,000					
Dudek & Associates															
Recycle Water Phase II - Non-Potable & Brineline Project - Design	07-080	65-178	\$415,040	\$2,148,831	\$1,934,946	\$0	\$1,934,946	\$213,885	10%				\$213,885		
TO#1, Amendment #1 (EPA)	07-123		\$34,920												
TO#1, Amendment #2	08-038		\$79,920												
TO#1, Amendment #3	08-088		\$1,267,407												
TO#1, Amendment #4	08-089		\$37,539												
TO#1, Amendment #5	09-070		\$34,865												
TO#1, Amendment #6	09-079		\$50,900												
TO#1, Amendment #7	10-005		\$57,848												
TO#1, Amendment #8	10-007		\$8,840												
TO#1, Amendment #9	10-008		\$4,950												
TO#1, Amendment #10	10-037		\$35,800												
TO#1, Amendment #11	10-038	03-7387	\$49,760												
TO#1, Amendment #12	10-084		\$24,278												
TO#1, Amendment #13	11-032		\$46,764												
TO#2, Environmental requirements for SCRAM project	10-064	88-5399		\$3,750	\$3,720	\$0	\$3,720	\$30	1%	\$30					
Environmental Studies associated with YVRWSRP (PROP 50) (Received \$40,000 from STWMA-PC1)	05-145	65-1130	\$32,235	\$32,235	\$223,038	\$0	\$223,038	(\$190,803)	-592%	(\$190,803)					
Environmental Services for the BCV Non-Potable Water Ext.	11-018	04-9435		\$53,454	\$0	\$1,035	\$1,035	\$52,419	98%				\$52,419		
Review & Update local pretreatment limits	09-105	03-5-06-54109		\$30,700	\$24,438	\$0	\$24,438	\$6,263	20%	\$6,263					
H.W. Hunter, Inc.															
Purchase 2 4X4 Dump Trucks	11-025	02-5-40-57003		\$104,000	\$102,663	\$0	\$102,663	\$1,337	1%	\$1,337					
Krieger & Stewart															
TO#5, Design R-13.4 and H-2 Reservoirs for JP Ranch	05-083	65-180	\$47,400	\$79,000	\$50,471	\$0	\$50,471	\$28,529	36%					\$28,529	
60% R-13.4 and 40% H-2	05-083	65-179	\$31,600												
Construction Mgmt Svcs for Non-Potable/Outfall	10-022	04-7386		\$979,100	\$139,664	\$49,592	\$189,256	\$77,963	8%			\$77,963			
Construction Mgmt Svcs for Brineline		03-7387			\$687,965	\$23,917	\$711,882								
National Coating & Lining Co.															
Rehab of the Lift Station 4 Wet Well & upstream Manholes	11-028	03-507-51244		\$27,100	\$27,100	\$0	\$0	\$27,100	0%	\$27,100					
One Stop Landscape Supply - FY 2011 Sludge Hauling & Reuse	--	03-5-02-57031	--	--	\$214,234	\$23,150	\$237,384								
Platinum Advisors															
FY 2011 Lobbyist N-T-E per month	09-008	02-5-06-54109	--	--	\$50,000	\$5,000	\$55,000								

Board Awarded Contracts
Consent Calendar Regular Meeting - May 18, 2011

District Awarded Contracts	Director Memorandum	Job or GL No.	Job Cost Breakdown	Awarded Contract Amount	Prior Payments to Date	Pending Invoice Amount	Total Contract Payments	Remaining Contract Amount	Percent Remaining	Encumbered Funds - Remaining Contract Amount					
										General Operating Expenses	Water Division Funds	Sewer Division Funds	Non-Potable Division Funds	Other Funds	
FY 2011 Quarterly Filing & Misc. Expenses		02-5-06-54109	--	--	\$250	\$0	\$250								
Pro-Craft Construction, Inc. Installation of 30" Water Conveyance Pipeline	11-014	02-5916		\$949,742	\$18,500	\$94,185	\$112,685	\$837,057	88%		\$837,057				
RMC Water & Environment TO#10 SRF Assistance	05-125	03-506-54109	\$90,258	\$90,258	\$74,972	\$0	\$74,972	\$15,286	17%	\$15,286					
TO#24, Project Mgmt Serv related to Recycled Water & Brineline Brineline Phase 1 & 2	10-031	03-7387	\$90,000 \$60,000	\$60,000	\$48,449	\$0	\$48,449	\$11,551	19%			\$11,551			
Non-Potable/Outfall		04-7386	\$30,000	\$30,000	\$24,451	\$0	\$24,451	\$5,549	18%				\$5,549		
Separation Processes, Inc. TO#11, Study of Low Pressure Rev Osmosis Membranes at WRWRF	09-018	88-3971 (exp)	\$150,852	\$150,852	\$148,526	\$0	\$148,526	\$2,326	2%	\$2,326					
TO#12, Design Services for Salinity Concentrate Reductions	09-085	88-5399(exp)		\$144,940	\$124,567	\$0	\$124,567	\$20,373	14%	\$20,373					
TO#13, Prelim Eng Analysis of Wochholz Improved Salinity Effluent To#13, Amendment #1 CAD Design for WISE project	09-086 10-050	88-5396 (exp)	\$32,500 \$78,132	\$110,632	\$98,857	\$11,755	\$110,612	\$20	0%	\$20					
Sukut Construction, Inc. (Phase 1&2 and C) Construction of the Brineline - 1&2 Non-Potable Outfall - C CO#1 - 1&2	10-020 10-089	03-14500 04-14500	(\$5,722,295.00) (\$1,234,272.00) (\$40,300.42)	\$6,956,567 \$6,996,867	\$4,346,368 \$980,157	\$353,227 \$28,236	\$4,699,595 \$1,008,393	\$1,288,879	18%		\$1,288,879				
TBU, Inc. 12" Recycled Water Pipeline in 7th Street	11-029	04-14500		\$34,655	\$0	\$31,190	\$31,190	\$3,466	10%					\$0	
Vavrinek, Trine, Day & Company (VTD) FY 2010 Auditing Services (add \$6205 for Single Audit) Additional Single Audit	08-079 10-068	*-5-06-54108 *-5-06-54108	\$30,450 \$3,000	\$33,450	\$33,450	\$0	\$33,450	\$0	0%	\$0					
Warren Duncan Construction Removal of Storage Tank Equip at WRWRF	11-030	03-5-02-51003		\$34,000	\$0	\$0	\$0	\$34,000	100%	\$34,000					
Wildermuth Environmental Inc. Monitoring & documenting the District's max benefit commitments Prelim Assessment for TDS & Nitrogen in San Timeoteo Mgmt Zone Antidegradation Analysis for the Beaumont Mgmt Zone	10-060 10-061 10-077	65-1138 03-5-06-54109 03-5-06-54109		\$10,634 \$12,180 \$12,000	\$3,319 \$12,180 \$8,537	\$1,313 \$0 \$4,333	\$4,632 \$12,180 \$12,870	\$6,002 \$0 (\$870)	56% 0% -7%	\$6,002 \$0 (\$870)					
GRAND TOTALS				\$12,289,985	\$9,536,145	\$642,101	\$10,178,246	\$2,546,775	--	\$27,478	\$837,057	\$1,378,392	\$271,854	\$28,529	
										\$27,478		\$2,487,303		\$28,529	

Approval of General Expenses April 2011 (Check Register Attached)

Check Register - April 2011

<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/04/2011	11990	ADS, LLC	2,634.00
04/04/2011	11991	American Messaging Services, L	73.60
04/04/2011	11992	Ameripride Uniform Services	440.76
04/04/2011	11993	Boot Barn #4	441.69
04/04/2011	11994	Central Communications	220.95
04/04/2011	11995	House Of Quality, Parts Plus	1,176.41
04/04/2011	11996	Leroy's Landscape Services	2,955.00
04/04/2011	11997	The Gas Company	616.69
04/04/2011	11998	Underground Service Alert Of S	169.50
04/04/2011	11999	George F. Siddle	113.75
04/04/2011	12000	Verizon	539.19
04/04/2011	12001	Verizon Select Services, Inc.	225.00
04/04/2011	12002	Yucaipa Disposal, Inc.	1,247.43
04/04/2011	12003	Brenntag Pacific, Inc	13,588.87
04/04/2011	12004	Fedex	35.05
04/04/2011	12005	Gallade Chemical	1,030.95
04/04/2011	12006	Neopost USA Inc.	195.75
04/04/2011	12007	Inland Water Works Supply Co.	1,091.04
04/04/2011	12008	Innerline Engineering	2,500.00
04/04/2011	12009	J.L. Wingert Co.	2,298.58
04/04/2011	12010	Johnson Machinery Co.	162.81
04/04/2011	12011	MBC Applied Environmental Scie	1,200.00
04/04/2011	12012	Oily's Automotive Service & Re	65.00
04/04/2011	12013	P & R Paper Supply Co., Inc.	904.60
04/04/2011	12014	VOID CHECK	0.00
04/04/2011	12015	Frances Webster	196.63
04/04/2011	12016	Yucaipa Auto Collision, LLC	664.10
04/08/2011	12017	PAYROLL CHECK	1,895.27
04/08/2011	12018	PAYROLL CHECK	870.99
04/08/2011	12019	SHARK INVESTMENTS	21.40
04/08/2011	12020	CARLISLE, TIM & ANNE	70.51
04/08/2011	12021	RABICO, DEBORAH	8.76
04/08/2011	12022	TRAYER, STEVE	83.20
04/08/2011	12023	PASILLAS, ROSUARO/PA	74.25
04/08/2011	12024	SANDERS, RONALD	60.52
04/08/2011	12025	PLATTER, LaFAYE	796.27
04/08/2011	12026	TRAYER REALTY INC	74.45
04/08/2011	12027	SWEET, CURTIS	211.79
04/08/2011	12028	California Water Environment A	660.00
04/08/2011	12029	CA-PERS 457 Deferred Comp	14,341.05
04/08/2011	12030	CA-Franchise Tax Board	50.00
04/08/2011	12031	Public Employees' Retirement S	25,934.38
04/08/2011	12032	Hong Nelson	125.00
04/08/2011	12033	Katherine Kostelecky	500.00
04/08/2011	12034	United Student Aid Funds, Inc.	168.43
04/08/2011	12035	IBEW Local 1436	391.00
04/08/2011	12036	Standard Insurance Company	2,179.44
04/08/2011	12037	Western Dental Services, Inc.	340.66
04/08/2011	12038	Anthem Blue Cross L and H	346.50
04/08/2011	12039	Standard Insurance Company	2,777.13
04/08/2011	12040	Standard Insurance Vision Plan	439.32
04/08/2011	12041	MetLife Small Business Center	85.45
04/11/2011	12042	Robert Austin	1,050.00
04/11/2011	12043	H. W. Hunter, Inc.	55,256.16
04/11/2011	12044	Ralph C. Casas	56.00

Check Register - April 2011

<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/11/2011	12045	Ameripride Uniform Services	443.26
04/11/2011	12046	Crider Public Relations, Inc.	977.50
04/11/2011	12047	Crown Ace Hardware - Yucaipa	417.41
04/11/2011	12048	First American Data Tree, LLC	50.00
04/11/2011	12049	Fedex	60.22
04/11/2011	12050	G&G Environmental Compliance,I	3,785.92
04/11/2011	12051	InfoSend, Inc.	4,958.02
04/11/2011	12052	VOID CHECK	0.00
04/11/2011	12053	Kelly Services, Inc.	1,291.40
04/11/2011	12054	J Kevin King	919.84
04/11/2011	12055	Konica Minolta Business Soluti	359.41
04/11/2011	12056	Krieger & Stewart	21,101.39
04/11/2011	12057	Kevin Lee	666.38
04/11/2011	12058	Maintenance Connection Inc	5,659.47
04/11/2011	12059	Pro-Pipe & Supply, Inc.	144.35
04/11/2011	12060	San Gorgonio Pass Water Agency	200.85
04/11/2011	12061	San Bernardino County Flood Co	675.00
04/11/2011	12062	Sims Welding & Supply Co., Inc	178.91
04/11/2011	12063	Association of San Bernardino	105.00
04/11/2011	12064	The Counseling Team Internatio	480.00
04/11/2011	12065	The Gas Company	14.30
04/11/2011	12066	Verizon	1,273.61
04/11/2011	12067	Yucaipa Valley Chamber Of Comm	180.00
04/11/2011	12068	Agriserve Pest Control	185.00
04/11/2011	12069	Air & Hose Source, Inc.	76.13
04/11/2011	12070	All American Sewer Tools	308.34
04/11/2011	12071	Bioscience Inc.	12,142.05
04/11/2011	12072	Brenntag Pacific, Inc	21,521.03
04/11/2011	12073	Cal's Auto Repair & Towing	50.00
04/11/2011	12074	Calolympic Glove & Safety Co.,	360.84
04/11/2011	12075	Cemex Inc. USA	1,315.88
04/11/2011	12076	Center Electric	2,156.69
04/11/2011	12077	VOID CHECK	0.00
04/11/2011	12078	Edward S Babcock & Sons, Inc.	3,300.00
04/11/2011	12079	Evans-Hydro Inc.	6,889.69
04/11/2011	12080	Grainger	903.99
04/11/2011	12081	Alan L. Grubel Automotive Inc.	447.20
04/11/2011	12082	Harrington Ind. Plastic, LLC	32.69
04/11/2011	12083	Inland Water Works Supply Co.	176.18
04/11/2011	12084	Lowe's Companies, Inc.	157.20
04/11/2011	12085	Merit Oil Company	2,380.64
04/11/2011	12086	NetComp Technologies, Inc.	1,035.00
04/11/2011	12087	Oily's Automotive Service & Re	162.50
04/11/2011	12088	Q Versa, LLC	9,489.18
04/11/2011	12089	Red Alert Special Couriers	1,104.89
04/11/2011	12090	Sukut Construction, Inc.	1,200.00
04/11/2011	12091	Test America Laboratories, Inc	1,829.00
04/11/2011	12092	UPS Store#1504/ Mail Boxes Etc	10.36
04/11/2011	12093	HD Supply Facilities Maintenanc	1,364.14
04/11/2011	12094	Wilbur's	31.10
04/13/2011	12095	Yucaipa Valley Acres LLC	7,089.51
04/18/2011	12096	VOID CHECK	0.00
04/18/2011	12097	Citizens Business Bank	1,850.00
04/18/2011	12098	Delta Partners, LLC	7,500.00
04/18/2011	12099	CA-Dept Of Public Health	2,752.80

Check Register - April 2011

<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/18/2011	12100	Dudek & Associates, Inc	3,295.00
04/18/2011	12101	Krieger & Stewart	85,213.98
04/18/2011	12102	VOID CHECK	0.00
04/18/2011	12103	Platinum Advisors, LLC	5,000.00
04/18/2011	12104	Pro-Craft Construction., Inc.	16,650.00
04/18/2011	12105	RMC Water and Environment	10,175.81
04/18/2011	12106	Separation Processes, Inc.	2,330.00
04/18/2011	12107	Soboba Band of Luiseno Indians	8,708.38
04/18/2011	12108	Sukut Construction, Inc.	279,456.88
04/18/2011	12109	Union Bank Of California	31,050.76
04/18/2011	12110	Wildermuth Environmental	3,153.27
04/18/2011	12111	Sukut Construction, Inc.	134,783.97
04/18/2011	12112	Union Bank Of California	14,976.00
04/18/2011	12113	Aklufi & Wysocki	5,297.50
04/18/2011	12114	One Stop Landscape Supply Inc	22,515.50
04/18/2011	12115	Abate Technologies Intl, Inc.	262.50
04/18/2011	12116	Ameripride Uniform Services	446.82
04/18/2011	12117	AT&T Mobility	1,529.62
04/18/2011	12118	Boot Barn #4	147.14
04/18/2011	12119	Coverall North America, Inc.	1,021.00
04/18/2011	12120	Dinosaur Tire Inc.	12.09
04/18/2011	12121	Fedex	45.36
04/18/2011	12122	First American Corelogic, Inc.	300.00
04/18/2011	12123	Jean's Flower Basket	60.74
04/18/2011	12124	Kelly Services, Inc.	587.00
04/18/2011	12125	VOID CHECK	0.00
04/18/2011	12126	Priority Mailing Systems Inc.	255.00
04/18/2011	12127	RFI	210.00
04/18/2011	12128	Tattletale Portable Alarm Syst	1,974.00
04/18/2011	12129	Thaxton Van Belle	108.33
04/18/2011	12130	Verizon	158.78
04/18/2011	12131	Brenntag Pacific, Inc	8,085.01
04/18/2011	12132	Calolympic Glove & Safety Co.,	331.75
04/18/2011	12133	Fisher Scientific Co.	1,163.52
04/18/2011	12134	Fresno Oxygen	582.34
04/18/2011	12135	Haaker Equipment Company	218.45
04/18/2011	12136	Inland Water Works Supply Co.	262.09
04/18/2011	12137	Larry Jacinto Farming, Inc.	450.00
04/18/2011	12138	JR Freeman Co. Inc.	4,165.17
04/18/2011	12139	Matich Corp	2,099.61
04/18/2011	12140	Merit Oil Company	4,594.25
04/18/2011	12141	Mark Miller	259.00
04/18/2011	12142	Nagem, Inc.	1,888.60
04/18/2011	12143	NCL Of Wisconsin Inc	96.58
04/18/2011	12144	Schaner's WasteWater Prod., In	2,409.04
04/18/2011	12145	California Urban Water Conserv	3,041.30
04/18/2011	12146	Lasercraft	501.98
04/22/2011	12147	PAYROLL CHECK	2,041.35
04/22/2011	12148	CA-PERS 457 Deferred Comp	11,140.89
04/22/2011	12149	CA-Franchise Tax Board	50.00
04/22/2011	12150	Public Employees' Retirement S	25,559.96
04/22/2011	12151	Hong Nelson	125.00
04/22/2011	12152	Katherine Kostelecky	500.00
04/22/2011	12153	United Student Aid Funds, Inc.	168.43
04/22/2011	12154	California Water Environment A	270.00

Check Register - April 2011

<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/25/2011	12155	VOID CHECK	0.00
04/25/2011	12156	City of San Bernardino	683.50
04/25/2011	12157	Atkinson, Andelson, Loya, Ruud	800.42
04/25/2011	12158	Robert Austin	2,819.12
04/25/2011	12159	CA-OCP HEALTH SERVICES	90.00
04/25/2011	12160-12170	VOID CHECKs - printer problem	0.00
04/25/2011	12171	BofA Credit Card	199.34
04/25/2011	12172	Fedex	42.95
04/25/2011	12173	VOID CHECK	0.00
04/25/2011	12174	InfoSend, Inc.	4,781.51
04/25/2011	12175	Kelly Services, Inc.	587.00
04/25/2011	12176	SB CNTY-Fire Protection Distri	2,742.00
04/25/2011	12177	Separation Processes, Inc.	1,370.00
04/25/2011	12178	SCE Rosemead	130,956.05
04/25/2011	12179	Verizon	600.18
04/25/2011	12180	VOID CHECK	0.00
04/25/2011	12181	Boot Barn #4	150.00
04/25/2011	12182	Workboot Warehouse	150.00
04/25/2011	12183	Cypress Insurance Company	18,062.00
04/25/2011	12184	Kristen Wardlaw	20.00
04/25/2011	12185	Ameripride Uniform Services	441.52
04/25/2011	12186	Incode Division-Tyler Technolo	4,980.50
04/25/2011	12187	BofA Credit Card	1,547.78
04/25/2011	12188	Bernell Hydraulics, Inc.	382.78
04/25/2011	12189	Bob Walker	652.50
04/25/2011	12190	Brenntag Pacific, Inc	16,629.67
04/25/2011	12191	Calolympic Glove & Safety Co.,	38.06
04/25/2011	12192	CHJ Incorporated	4,080.00
04/25/2011	12193	Clinical Laboratory of San Ber	122.50
04/25/2011	12194	Victor James Valenti	5,005.38
04/25/2011	12195	Emergency Power Controls, Inc.	3,350.00
04/25/2011	12196	Inland Water Works Supply Co.	1,118.06
04/25/2011	12197	Johnson Machinery Co.	116.89
04/25/2011	12198	JR Freeman Co. Inc.	960.36
04/25/2011	12199	James Randy Main	10.88
04/25/2011	12200	MBC Applied Environmental Scie	1,200.00
04/25/2011	12201	Merit Oil Company	2,986.63
04/25/2011	12202	NetComp Technologies, Inc.	2,745.00
04/25/2011	12203	National Ram Business Systems	9.36
04/25/2011	12204	Red Alert Special Couriers	1,174.33
04/25/2011	12205	Rosemount Analytical, Inc.	685.67
04/25/2011	12206	Steven Enterprises, Inc	235.00
04/25/2011	12207	Donald Kent Stone	780.00
04/25/2011	12208	Test America Laboratories, Inc	290.00
04/25/2011	12209	Gerald L. Gregory	150.00
04/25/2011	12210	Troy Alarm, Inc	201.00
04/25/2011	12211	American Family Life Assurance	2,891.21
April 2011 Check Register Total			1,191,988.45

BOARD REPORTS



Yucaipa Valley Water District

Notice and Agenda of a Board Workshop Tuesday, May 10, 2011 at 4:00 p.m.

MEETING LOCATION: District Administration Building
12770 Second Street, Yucaipa

MEMBERS OF THE BOARD: Director Ian Cuthbertson, Division 1
Director Bruce Granlund, Division 2
Director Jay Bogh, Division 3
Director Lonni Granlund, Division 4
Director Hank Wochholz, Division 5

- I. Call to Order
 - II. Public Comments: At this time, members of the public may address the Board of Directors on matters within its jurisdiction; however, no action or significant discussion may take place on any item not on the agenda. To provide comments on specific agenda items, please complete a speaker's request form and provide that form to the Board Secretary prior to the commencement of the Board meeting.
 - III. Staff Comments
 - IV. Capital Improvement Projects
 - A. Status Report on the Design of the Salt Removal Process at the Wochholz Regional Water Recycling Facility [[Workshop Memorandum No. 11-066 - Page 3 of 47](#)]
 - B. Status Report on the Construction of the Yucaipa Valley Regional Brineline [[Workshop Memorandum No. 11-067 - Page 4 of 47](#)]
 - C. Status Report on the Construction of Drinking Water Pipelines in Second Street, Yucaipa [[Workshop Memorandum No. 11-068 - Page 7 of 47](#)]
 - V. Administrative Issues
 - A. Overview of Unaudited Financial Report for April 2011 [[Workshop Memorandum No. 11-069 - Page 9 of 47](#)]
 - B. Identification and Declaration of Bad Debt for 2009 [[Workshop Memorandum No. 11-070 - Page 37 of 47](#)]
-

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Chelsie Fogus at (909) 797-5118, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this agenda submitted to the Board of Directors after distribution of the workshop packet are available for public inspection during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting material may also be available on the District's website at www.yvwd.dst.ca.us

- C. Notice of Completion for the Recycled Water Pipeline in 7th Street from Yucaipa Boulevard to Chapman Heights Road [[Workshop Memorandum No. 11-071 - Page 38 of 47](#)]
- D. Modification No. 004 to the Bureau of Reclamation Cooperative Agreement for Funding of the Regional Brineline Project [[Workshop Memorandum No. 11-072 - Page 44 of 47](#)]
- E. Proposed Proposition 218 Notification Related to Salinity Management Issues [[Workshop Memorandum No. 11-073 - Page 47 of 47](#)]

VI. Director Comments

VII. Closed Session

- A. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: IBEW Local Union 14356 - YVWD Employees Association
- B. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Supervisor Bargaining Unit
- C. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Confidential Employee Bargaining Unit
- D. Conference with Labor Negotiator (Government Code 54957.6)
District Negotiator: Joseph Zoba, General Manager
Employee Organization: Exempt Employee Bargaining Unit
- E. Conference with Labor Negotiator (Government Code 54957.6)
Unrepresented Employee: Joseph Zoba, General Manager

VIII. Adjournment



State of the City Luncheon

Thursday, May 12, 2011



**Economic Development Advisory Committee
Agenda
Regular Meeting**

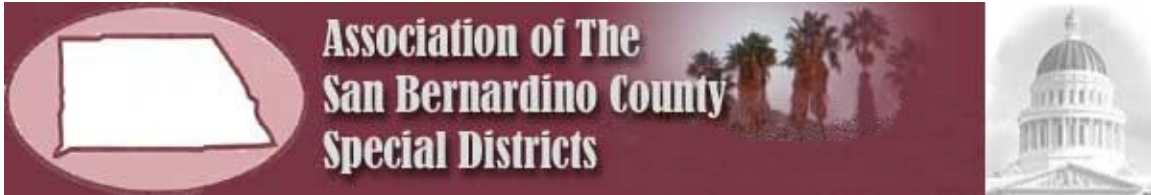
May 12, 2011 - 5:00 PM

**Community Meeting Room - Yucaipa City Hall
34272 Yucaipa Boulevard, Yucaipa, California**

ANY PUBLIC WRITINGS DISTRIBUTED BY THE CITY TO AT LEAST A MAJORITY OF THE COMMITTEE MEMBERS REGARDING ANY ITEM ON THIS REGULAR MEETING AGENDA WILL BE MADE AVAILABLE AT THE PUBLIC SERVICE COUNTER AT CITY HALL, 34272 YUCAIPA BOULEVARD, DURING NORMAL BUSINESS HOURS.

- I. Call to Order**
- II. Approval of Minutes (March 10, 2011)**
- III. Public Comment**
- IV. Review of Current Development**
- V. Old Business**
 - 1. Uptown Dedication and Music Festival**
 - 2. Jazz Groups at Iris Festival**
 - 3. Community Information Sign**
- VI. New Business**
 - 1. Web Page Section for Visitors**
- VII. Round Table**
- VIII. Adjourn**

Next meeting is scheduled for July 14, 2011



The Inland Empire Resource Conservation District will be hosting the
May 16th, 2011 Membership Meeting at:

Romano's

330 Orange Street
Redlands, CA 92374-3204
909.798.9228

<http://www.romanosrestaurants.com/locations.html>

The social hour will begin at 6:00 PM with a call to order at 6:45 PM.

Dinner

Plated dinner; choice of Lasagna or Chicken Limone (sautéed in white wine, garlic, lemon, and capers),
Salad, Bread, coffee and iced tea to drink, and Tiramisu for dessert

Program:

Kyle Snow, Attorney for Best Best & Krieger

Cost: \$27 per person

RSVP to Katie Heer no later than Friday, May 9, 2011
Email to: kheer@iercd.org or call (909) 799-7407 x102

The ASBCSD mailing address has changed! Make checks payable to ASBCSD and send to:

ATTN: Cheryl Vermette
PO BOX 205
Montclair, Ca. 91763

District/Associate:

Attendee (s):

Reminder: There is a \$2 surcharge for reservations made after the deadline date, as well as for coming to dinner with no reservations. You will also be billed for the dinner if your cancellation is not received prior to the deadline.

STAFF REPORT

DISCUSSION ITEMS



Date: May 18, 2011 **Job:** Not Applicable
Prepared By: Vicky Elisalda, Controller **G/L:** Not Applicable
Subject: Presentation of the Unaudited Financial Report for April 2011
Recommendation: That the Board receives and files the unaudited financial report as presented.

The following unaudited financial report has been prepared by the Administrative Department for your review. The report has been divided into six sections to clearly disseminate information pertaining to the financial status of the District. Please remember that the following financial information has not been audited.

Cash Fund Balance Report

The Cash Fund Balance Report provides a summary of how the total amount of funds maintained by financial institutions is distributed throughout the enterprise and non-enterprise funds of the District. A summary of the report is as follows:

Fund Source	Operating Funds	Restricted Funds	Total Funds
Water Division	\$301,012.64	\$5,498,497.81	\$5,799,510.45
Sewer Division	\$519,359.61	\$5,892,917.17	\$6,412,276.78
Recycled Division	(\$1,985,388.73)	\$612,841.49	(\$1,372,547.24)
Total	(\$1,165,016.48)	\$12,004,256.47	\$10,839,239.99

Most of the funds reflected in the Cash Fund Balance Report are designated for specific purposes and are therefore restricted, either by law or by District policy.

Check Register

The check register lists each check processed during the month of April 2011. The District processed 222 checks during the month of March for a total sum of \$1,191,988.45. All checks are reviewed by District staff for accuracy and completeness, and usually signed by the General Manager and one Director, but may be signed by two Directors.

The Controller will make any check, invoice or supporting documentation available for review to any board member upon request.

Financial Account Information

The District currently deposits all revenue received into the Deposit Checking account. The General Checking account is used as a sole processing account for all District checks and electronic payroll. The Investment Checking account is used for the purchase and redemption of US treasury notes and bills. The US treasury notes and bills are booked at cost.

The LAIF investment account is a pooled money account administered by the State of California. Additional information on the LAIF account is provided below in the investment summary report.

Investment Summary

The investment summary report illustrates the District's investments in US treasury notes and bills in addition to the investments held by the Local Agency Investment Fund or LAIF. The yields for the treasury notes and bills are provided for each individual transaction. The historical annual yield for funds invested with LAIF is also provided.

Separate pooled money investment reports prepared by the State of California are maintained by the District and available for review.

Monthly Revenue Allocation

During the month of April 2011 the District received a sum total of \$2,392,175.43 in revenues from the following categories:

- A total of \$1,341,883.74 was received from 14,632 customers for utility bill payments. This is the total amount of utility bill payments received from water, sewer and recycled services.
- A total of \$2,353.75 was received for construction meter deposits, customer deposits and Internet fee payments.
- A total of \$196,649.40 was received from miscellaneous water related activities (other than utility bill charges). The District received \$833,431.55 from San Bernardino County property taxes and \$12,884.23 from Riverside County property taxes.
- A total of \$4,972.76 was received from miscellaneous sewer related activities (other than utility bill charges).
- A total of \$.00 received from miscellaneous recycled related activities (other than utility bill charges).
- The District received ARRA draw #10 in the amount of \$119,243.00 on April 7th and Prop 50 draw #5 in the amount of \$96,223.39 on April 15th.

Fiscal Year 2011 Budget Status

The revenue and expense budget status for the 2011 Fiscal Year is provided for your review.

**Summary of Revenue Budget
As of April 30, 2011 (79% of Budget Cycle)**

<u>Division</u>	<u>Budget Amount</u>	<u>Current Month</u>	<u>Year-To-Date</u>	<u>Percentage</u>
Water	12,403,410	1,412,347	9,107,753	73.4
Sewer	10,394,500	828,262	8,241,385	79.3
Recycled Water	411,275	12,045	221,563	53.9
District Revenue	23,209,185	2,252,654	17,570,701	75.7

**Summary of Water Budget
As of April 30, 2011 (79% of Budget Cycle)**

<u>Department</u>	<u>Budget Amount</u>	<u>Current Month</u>	<u>Year-To-Date</u>	<u>Percentage</u>
Water Resources	4,217,615	239,496	3,185,436	75.5
Public works	2,017,000	115,120	1,401,192	69.5
Administration	2,992,576	216,178	2,198,701	73.5
Long Term Debt	3,006,219	0	2,931,219	97.5
Asset Acquisition	140,000	55,256	102,663	73.3
TOTAL	12,373,410	626,050	9,819,211	79.4

**Summary of Sewer Budget
As of April 30, 2011 (79% of Budget Cycle)**

<u>Department</u>	<u>Budget Amount</u>	<u>Current Month</u>	<u>Year-To-Date</u>	<u>Percentage</u>
Treatment	3,038,150	207,754	2,568,331	84.5
Administration	3,626,030	235,327	2,965,612	81.8
Environmental Control	786,940	30,504	599,662	76.2
Long Term Debt	2,923,670	0	2,923,669	100.0
Asset Acquisition	19,710	0	6,038	30.6
TOTAL	10,394,500	473,585	9,063,312	87.2

**Summary of Recycled Water Budget
As of April 30, 2011 (79% of Budget Cycle)**

<u>Department</u>	<u>Budget Amount</u>	<u>Current Month</u>	<u>Year-To-Date</u>	<u>Percentage</u>
Administration	411,275	322,076	697,949	169.7
TOTAL	411,275	28,423	726,584	176.7
District Expenses	23,179,185	1,128,058	19,609,107	84.6

Investment Policy Disclosure

The District is currently compliant with the portfolio of its Investment Policy and State Law.

The District is using Sandy Gage with Merrill Lynch Wealth Management (Bank of America Corporation) for Treasury investments. The District expects to meet its expenditure requirements for the next six months.

Questions or Comments

If you have any questions about a particular budget account, please do not hesitate to contact the Controller directly. If you need additional information, the members of the Administrative Department would be happy to provide you with any detailed information you may desire.

Cash Fund Balance Report - April 2011

Water Division	GL#	Balance
Project Fund - Encumbered	02-10215	\$ 720,828.09
ID 1 Construction Funds	02-10216	\$ 293,145.85
ID 2 Construction Funds	02-10217	\$ 80,409.31
Depreciation Reserves	02-10310	\$ 2,550,555.98
Sustainability Fund	02-10313	\$ 50,942.80
Rate Stabilization Fund	02-10314	\$ 480,545.21
Imported Water Fund - MUNI	02-10315	\$ (643,491.17)
Imported Water Fund - SGPWA	02-10316	\$ 179,473.59
FCC - Debt Service YVRWFF Phase I	02-10401	\$ 105,166.78
FCC - Future YVRWFF Phase II & III	02-10403	\$ 85,755.07
FCC - Recycled System	02-10410	\$ 132,650.23
FCC - Booster Pumping Plants	02-10411	\$ 145,512.33
FCC - Pipeline Facilities	02-10412	\$ 725,791.42
FCC - Water Storage Reservoirs	02-10413	\$ 591,212.32
Operating Funds:	--	--
Checking Account	02-11001	\$ 30,000.00
LAIF	02-11019	\$ 32,904.95
Savings	02-11020	\$ 238,107.69
Total Water Division		\$ 5,799,510.45

Sewer Division	GL#	Balance
Project Fund - Encumbered	03-10215	\$ 751,089.00
Depreciation Reserves	03-10310	\$ 2,576,681.11
Rate Stabilization Fund	03-10314	\$ 1,464,029.35
FCC - Debt Service WWTP Expansion & Upgrade	03-10405	\$ 370,478.95
FCC - Future WWTP Expansion	03-10407	\$ 222,008.03
FCC - Sewer Interceptors	03-10415	\$ 110,589.86
FCC - Lift Stations	03-10416	\$ 54,572.50
FCC - Effluent Disposal Facilities	03-10417	\$ 72,436.29
FCC - Salt Mitigation Facilities	03-10418	\$ 271,032.08
Operating Funds:	--	--
Savings	03-11020	\$ 519,359.61
Total Wastewater Division		\$ 6,412,276.78

Recycled Water Division	GL#	Balance
Depreciation Reserves	04-10310	\$ 456,763.49
FCC - Recycled System	04-10410	\$ 13,286.93
FCC - Booster Pumping Plants	04-10411	\$ 14,297.75
FCC - Pipeline Facilities	04-10412	\$ 71,152.50
FCC - Water Storage Reservoirs	04-10413	\$ 57,340.82
Operating Funds:	--	--
Savings	04-11020	\$ (1,985,388.73)
Total Recycled Water Division		\$ (1,372,547.24)

DISTRICT TOTAL \$ 10,839,239.99

Future Obligations	Due Date	Amount
2004A Bond Payment - Water Division	02/23/2012	\$ 997,562.50
SBVMWD - SARI Pipeline Capacity	06/01/2011	\$ 19,710.00
2004A Bond Payment - Water Division	08/27/2011	\$ 1,934,812.50
SRF Payment - Sewer Division	09/10/2011	\$ 2,923,688.75

Check Register - April 2011

<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/04/2011	11990	ADS, LLC	2,634.00
04/04/2011	11991	American Messaging Services, L	73.60
04/04/2011	11992	Ameripride Uniform Services	440.76
04/04/2011	11993	Boot Barn #4	441.69
04/04/2011	11994	Central Communications	220.95
04/04/2011	11995	House Of Quality, Parts Plus	1,176.41
04/04/2011	11996	Leroy's Landscape Services	2,955.00
04/04/2011	11997	The Gas Company	616.69
04/04/2011	11998	Underground Service Alert Of S	169.50
04/04/2011	11999	George F. Siddle	113.75
04/04/2011	12000	Verizon	539.19
04/04/2011	12001	Verizon Select Services, Inc.	225.00
04/04/2011	12002	Yucaipa Disposal, Inc.	1,247.43
04/04/2011	12003	Brenntag Pacific, Inc	13,588.87
04/04/2011	12004	Fedex	35.05
04/04/2011	12005	Gallade Chemical	1,030.95
04/04/2011	12006	Neopost USA Inc.	195.75
04/04/2011	12007	Inland Water Works Supply Co.	1,091.04
04/04/2011	12008	Innerline Engineering	2,500.00
04/04/2011	12009	J.L. Wingert Co.	2,298.58
04/04/2011	12010	Johnson Machinery Co.	162.81
04/04/2011	12011	MBC Applied Environmental Scie	1,200.00
04/04/2011	12012	Oily's Automotive Service & Re	65.00
04/04/2011	12013	P & R Paper Supply Co., Inc.	904.60
04/04/2011	12014	VOID CHECK	0.00
04/04/2011	12015	Frances Webster	196.63
04/04/2011	12016	Yucaipa Auto Collision, LLC	664.10
04/08/2011	12017	PAYROLL CHECK	1,895.27
04/08/2011	12018	PAYROLL CHECK	870.99
04/08/2011	12019	SHARK INVESTMENTS	21.40
04/08/2011	12020	CARLISLE, TIM & ANNE	70.51
04/08/2011	12021	RABICO, DEBORAH	8.76
04/08/2011	12022	TRAYER, STEVE	83.20
04/08/2011	12023	PASILLAS, ROSUARO/PA	74.25
04/08/2011	12024	SANDERS, RONALD	60.52
04/08/2011	12025	PLATTER, LaFAYE	796.27
04/08/2011	12026	TRAYER REALTY INC	74.45
04/08/2011	12027	SWEET, CURTIS	211.79
04/08/2011	12028	California Water Environment A	660.00
04/08/2011	12029	CA-PERS 457 Deferred Comp	14,341.05
04/08/2011	12030	CA-Franchise Tax Board	50.00
04/08/2011	12031	Public Employees' Retirement S	25,934.38
04/08/2011	12032	Hong Nelson	125.00
04/08/2011	12033	Katherine Kostelecky	500.00
04/08/2011	12034	United Student Aid Funds, Inc.	168.43
04/08/2011	12035	IBEW Local 1436	391.00
04/08/2011	12036	Standard Insurance Company	2,179.44
04/08/2011	12037	Western Dental Services, Inc.	340.66
04/08/2011	12038	Anthem Blue Cross L and H	346.50
04/08/2011	12039	Standard Insurance Company	2,777.13
04/08/2011	12040	Standard Insurance Vision Plan	439.32
04/08/2011	12041	MetLife Small Business Center	85.45
04/11/2011	12042	Robert Austin	1,050.00
04/11/2011	12043	H. W. Hunter, Inc.	55,256.16
04/11/2011	12044	Ralph C. Casas	56.00

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<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/11/2011	12045	Ameripride Uniform Services	443.26
04/11/2011	12046	Crider Public Relations, Inc.	977.50
04/11/2011	12047	Crown Ace Hardware - Yucaipa	417.41
04/11/2011	12048	First American Data Tree, LLC	50.00
04/11/2011	12049	Fedex	60.22
04/11/2011	12050	G&G Environmental Compliance, I	3,785.92
04/11/2011	12051	InfoSend, Inc.	4,958.02
04/11/2011	12052	VOID CHECK	0.00
04/11/2011	12053	Kelly Services, Inc.	1,291.40
04/11/2011	12054	J Kevin King	919.84
04/11/2011	12055	Konica Minolta Business Soluti	359.41
04/11/2011	12056	Krieger & Stewart	21,101.39
04/11/2011	12057	Kevin Lee	666.38
04/11/2011	12058	Maintenance Connection Inc	5,659.47
04/11/2011	12059	Pro-Pipe & Supply, Inc.	144.35
04/11/2011	12060	San Gorgonio Pass Water Agency	200.85
04/11/2011	12061	San Bernardino County Flood Co	675.00
04/11/2011	12062	Sims Welding & Supply Co., Inc	178.91
04/11/2011	12063	Association of San Bernardino	105.00
04/11/2011	12064	The Counseling Team Internatio	480.00
04/11/2011	12065	The Gas Company	14.30
04/11/2011	12066	Verizon	1,273.61
04/11/2011	12067	Yucaipa Valley Chamber Of Comm	180.00
04/11/2011	12068	Agriserve Pest Control	185.00
04/11/2011	12069	Air & Hose Source, Inc.	76.13
04/11/2011	12070	All American Sewer Tools	308.34
04/11/2011	12071	Bioscience Inc.	12,142.05
04/11/2011	12072	Brenntag Pacific, Inc	21,521.03
04/11/2011	12073	Cal's Auto Repair & Towing	50.00
04/11/2011	12074	Calolympic Glove & Safety Co.,	360.84
04/11/2011	12075	Cemex Inc. USA	1,315.88
04/11/2011	12076	Center Electric	2,156.69
04/11/2011	12077	VOID CHECK	0.00
04/11/2011	12078	Edward S Babcock & Sons, Inc.	3,300.00
04/11/2011	12079	Evans-Hydro Inc.	6,889.69
04/11/2011	12080	Grainger	903.99
04/11/2011	12081	Alan L. Grubel Automotive Inc.	447.20
04/11/2011	12082	Harrington Ind. Plastic, LLC	32.69
04/11/2011	12083	Inland Water Works Supply Co.	176.18
04/11/2011	12084	Lowe's Companies, Inc.	157.20
04/11/2011	12085	Merit Oil Company	2,380.64
04/11/2011	12086	NetComp Technologies, Inc.	1,035.00
04/11/2011	12087	Oily's Automotive Service & Re	162.50
04/11/2011	12088	Q Versa, LLC	9,489.18
04/11/2011	12089	Red Alert Special Couriers	1,104.89
04/11/2011	12090	Sukut Construction, Inc.	1,200.00
04/11/2011	12091	Test America Laboratories, Inc	1,829.00
04/11/2011	12092	UPS Store#1504/ Mail Boxes Etc	10.36
04/11/2011	12093	HD Supply Facilities Maintenan	1,364.14
04/11/2011	12094	Wilbur's	31.10
04/13/2011	12095	Yucaipa Valley Acres LLC	7,089.51
04/18/2011	12096	VOID CHECK	0.00
04/18/2011	12097	Citizens Business Bank	1,850.00
04/18/2011	12098	Delta Partners, LLC	7,500.00
04/18/2011	12099	CA-Dept Of Public Health	2,752.80

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<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/18/2011	12100	Dudek & Associates, Inc	3,295.00
04/18/2011	12101	Krieger & Stewart	85,213.98
04/18/2011	12102	VOID CHECK	0.00
04/18/2011	12103	Platinum Advisors, LLC	5,000.00
04/18/2011	12104	Pro-Craft Construction., Inc.	16,650.00
04/18/2011	12105	RMC Water and Environment	10,175.81
04/18/2011	12106	Separation Processes, Inc.	2,330.00
04/18/2011	12107	Soboba Band of Luiseno Indians	8,708.38
04/18/2011	12108	Sukut Construction, Inc.	279,456.88
04/18/2011	12109	Union Bank Of California	31,050.76
04/18/2011	12110	Wildermuth Environmental	3,153.27
04/18/2011	12111	Sukut Construction, Inc.	134,783.97
04/18/2011	12112	Union Bank Of California	14,976.00
04/18/2011	12113	Aklufi & Wysocki	5,297.50
04/18/2011	12114	One Stop Landscape Supply Inc	22,515.50
04/18/2011	12115	Abate Technologies Intl, Inc.	262.50
04/18/2011	12116	Ameripride Uniform Services	446.82
04/18/2011	12117	AT&T Mobility	1,529.62
04/18/2011	12118	Boot Barn #4	147.14
04/18/2011	12119	Coverall North America, Inc.	1,021.00
04/18/2011	12120	Dinosaur Tire Inc.	12.09
04/18/2011	12121	Fedex	45.36
04/18/2011	12122	First American Corelogic, Inc.	300.00
04/18/2011	12123	Jean's Flower Basket	60.74
04/18/2011	12124	Kelly Services, Inc.	587.00
04/18/2011	12125	VOID CHECK	0.00
04/18/2011	12126	Priority Mailing Systems Inc.	255.00
04/18/2011	12127	RFI	210.00
04/18/2011	12128	Tattletale Portable Alarm Syst	1,974.00
04/18/2011	12129	Thaxton Van Belle	108.33
04/18/2011	12130	Verizon	158.78
04/18/2011	12131	Brenntag Pacific, Inc	8,085.01
04/18/2011	12132	Calolympic Glove & Safety Co.,	331.75
04/18/2011	12133	Fisher Scientific Co.	1,163.52
04/18/2011	12134	Fresno Oxygen	582.34
04/18/2011	12135	Haaker Equipment Company	218.45
04/18/2011	12136	Inland Water Works Supply Co.	262.09
04/18/2011	12137	Larry Jacinto Farming, Inc.	450.00
04/18/2011	12138	JR Freeman Co. Inc.	4,165.17
04/18/2011	12139	Matich Corp	2,099.61
04/18/2011	12140	Merit Oil Company	4,594.25
04/18/2011	12141	Mark Miller	259.00
04/18/2011	12142	Nagem, Inc.	1,888.60
04/18/2011	12143	NCL Of Wisconsin Inc	96.58
04/18/2011	12144	Schaner's WasteWater Prod., In	2,409.04
04/18/2011	12145	California Urban Water Conserv	3,041.30
04/18/2011	12146	Lasercraft	501.98
04/22/2011	12147	PAYROLL CHECK	2,041.35
04/22/2011	12148	CA-PERS 457 Deferred Comp	11,140.89
04/22/2011	12149	CA-Franchise Tax Board	50.00
04/22/2011	12150	Public Employees' Retirement S	25,559.96
04/22/2011	12151	Hong Nelson	125.00
04/22/2011	12152	Katherine Kostelecky	500.00
04/22/2011	12153	United Student Aid Funds, Inc.	168.43
04/22/2011	12154	California Water Environment A	270.00

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<u>Check Date</u>	<u>Check Number</u>	<u>Name</u>	<u>Check Amount</u>
04/25/2011	12155	VOID CHECK	0.00
04/25/2011	12156	City of San Bernardino	683.50
04/25/2011	12157	Atkinson, Andelson, Loya, Ruud	800.42
04/25/2011	12158	Robert Austin	2,819.12
04/25/2011	12159	CA-OCP HEALTH SERVICES	90.00
04/25/2011	12160-12170	VOID CHECKs - printer problem	0.00
04/25/2011	12171	BofA Credit Card	199.34
04/25/2011	12172	Fedex	42.95
04/25/2011	12173	VOID CHECK	0.00
04/25/2011	12174	InfoSend, Inc.	4,781.51
04/25/2011	12175	Kelly Services, Inc.	587.00
04/25/2011	12176	SB CNTY-Fire Protection Distri	2,742.00
04/25/2011	12177	Separation Processes, Inc.	1,370.00
04/25/2011	12178	SCE Rosemead	130,956.05
04/25/2011	12179	Verizon	600.18
04/25/2011	12180	VOID CHECK	0.00
04/25/2011	12181	Boot Barn #4	150.00
04/25/2011	12182	Workboot Warehouse	150.00
04/25/2011	12183	Cypress Insurance Company	18,062.00
04/25/2011	12184	Kristen Wardlaw	20.00
04/25/2011	12185	Ameripride Uniform Services	441.52
04/25/2011	12186	Incode Division-Tyler Technolo	4,980.50
04/25/2011	12187	BofA Credit Card	1,547.78
04/25/2011	12188	Bernell Hydraulics, Inc.	382.78
04/25/2011	12189	Bob Walker	652.50
04/25/2011	12190	Brenntag Pacific, Inc	16,629.67
04/25/2011	12191	Calolympic Glove & Safety Co.,	38.06
04/25/2011	12192	CHJ Incorporated	4,080.00
04/25/2011	12193	Clinical Laboratory of San Ber	122.50
04/25/2011	12194	Victor James Valenti	5,005.38
04/25/2011	12195	Emergency Power Controls, Inc.	3,350.00
04/25/2011	12196	Inland Water Works Supply Co.	1,118.06
04/25/2011	12197	Johnson Machinery Co.	116.89
04/25/2011	12198	JR Freeman Co. Inc.	960.36
04/25/2011	12199	James Randy Main	10.88
04/25/2011	12200	MBC Applied Environmental Scie	1,200.00
04/25/2011	12201	Merit Oil Company	2,986.63
04/25/2011	12202	NetComp Technologies, Inc.	2,745.00
04/25/2011	12203	National Ram Business Systems	9.36
04/25/2011	12204	Red Alert Special Couriers	1,174.33
04/25/2011	12205	Rosemount Analytical, Inc.	685.67
04/25/2011	12206	Steven Enterprises, Inc	235.00
04/25/2011	12207	Donald Kent Stone	780.00
04/25/2011	12208	Test America Laboratories, Inc	290.00
04/25/2011	12209	Gerald L. Gregory	150.00
04/25/2011	12210	Troy Alarm, Inc	201.00
04/25/2011	12211	American Family Life Assurance	2,891.21

April 2011 Check Register Total	1,191,988.45
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Financial Account Information - April 2011

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
03/31/2011	bal forward	721,494.63	30,000.00	69,297.46	8,872,771.84	32,863.84	9,726,427.77
3/31	rev retained in MM				(589.87)		(589.87)
3/31	Electronic-posted 4/1	4,387.18					4,387.18
04/01/2011	Deposit	39,907.28					39,907.28
	Credit Card	1,004.75					1,004.75
	Electronic	9,122.24					9,122.24
	Website-4/1	1,502.12					1,502.12
	Website-4/2	673.73					673.73
	Website-4/3	776.69					776.69
04/04/2011	Deposit	55,066.31					55,066.31
	Credit Card-4/1	802.20					802.20
	Credit Card-4/4	2,290.97					2,290.97
	Electronic	15,814.00					15,814.00
	Website-4/4	239.93					239.93
	Website-4/5	1,337.43					1,337.43
	ACH pmts	27,586.88					27,586.88
	ETS Fees	(1,063.72)					(1,063.72)
	ETS Fees	(709.73)					(709.73)
04/05/2011	Deposit	53,888.07					53,888.07
	Deposit-M/C	187,012.80					187,012.80
	Credit Card-4/4	350.02					350.02
	Credit Card-4/5	1,163.62					1,163.62
	Electronic	21,944.31					21,944.31
	Website-4/5	897.17					897.17
	Website-4/6	130.63					130.63
	Website-4/6	234.94					234.94
04/06/2011	Deposit	46,887.86					46,887.86
	Deposit-M/C	1,277.57					1,277.57
	Deposit-M/C	1,076.45					1,076.45
	Credit Card-4/5	659.79					659.79
	Credit Card-4/6	3,064.74					3,064.74
	Electronic	11,587.25					11,587.25
	Website-4/6	884.64					884.64
	Website-4/7	200.79					200.79
04/07/2011	Deposit	42,886.65					42,886.65
	ARRA Draw #10		119,243.00				119,243.00
04/08/2011	TRF#986-ARRA Draw #10	119,243.00	(119,243.00)				0.00
	Credit Card-4/6	301.01					301.01
	Credit Card-4/7	531.23					531.23
	Electronic	8,801.91					8,801.91
	Website-4/7	1,092.16					1,092.16
	Website-4/8	219.54					219.54
4/8/11-PR	Federal Taxes		(36,678.10)				(36,678.10)
4/8/11-PR	State Taxes		(6,591.08)				(6,591.08)
4/8/11-PR	PR Direct Deposit		(100,564.24)				(100,564.24)
4/8/11-PR	ING 457		(6,815.92)				(6,815.92)
	Cks #11990-12041		(87,293.12)				(87,293.12)
	TRF#985 - AP & PR	(237,942.46)	237,942.46				0.00

Financial Account Information - April 2011

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
03/31/2011	bal forward	721,494.63	30,000.00	69,297.46	8,872,771.84	32,863.84	9,726,427.77
04/08/2011	Deposit	36,354.79					36,354.79
	Credit Card-4/7	115.43					115.43
	Credit Card-4/8	970.86					970.86
	Electronic	10,720.66					10,720.66
	Website-4/8	909.80					909.80
	Website-4/8	1.75					1.75
	Website-4/9	376.95					376.95
	Website-4/10	980.31					980.31
	Website-4/11	64.30					64.30
04/11/2011	Deposit	85,525.92					85,525.92
	Credit Card-4/8	601.08					601.08
	Credit Card-4/11	1,552.97					1,552.97
	Electronic	10,155.47					10,155.47
	Website-4/11	680.42					680.42
	Website-4/12	161.35					161.35
	ACH pmts	34,980.90					34,980.90
04/12/2011	Deposit	29,290.77					29,290.77
	Deposit-M/C	7,706.04					7,706.04
	Credit Card-4/11	310.78					310.78
	Credit Card-4/12	1,047.73					1,047.73
	Electronic	12,854.77					12,854.77
	Website-4/12	1,566.28					1,566.28
	Website-4/13	170.09					170.09
	Website-4/13	129.78					129.78
04/13/2011	Deposit	42,473.29					42,473.29
	Deposit-Riv Tax	12,687.56					12,687.56
	Credit Card-4/12	352.24					352.24
	Credit Card-4/13	2,591.10					2,591.10
	Electronic	4,967.95					4,967.95
	Website-4/13	865.03					865.03
	Website-4/14	213.58					213.58
	Cks #12042-12095		(176,023.63)				(176,023.63)
	TRF#987 - AP	(176,023.63)	176,023.63				0.00
04/14/2011	Deposit	24,136.85					24,136.85
	Credit Card-4/13	677.22					677.22
	Credit Card-4/14	1,305.58					1,305.58
	Electronic	5,652.02					5,652.02
	Website-4/14	504.42					504.42
	Website-4/15	519.51					519.51
04/15/2011	Deposit	21,752.07					21,752.07
	Credit Card-4/14	248.28					248.28
	Credit Card-4/15	1,227.96					1,227.96
	Electronic	12,298.43					12,298.43
	Website-4/15	1,479.18					1,479.18
	Website-4/16	60.00					60.00
	Website-4/16	407.07					407.07
	Website-4/17	392.66					392.66
	Website-4/18	491.28					491.28
	ACH pmts	33,358.54					33,358.54
	Prop 50 Draw #5		96,223.39				96,223.39
	TRF#988-Prop 50 Draw #5	96,223.39	(96,223.39)				0.00
	Qtrly March Analysis Fee			(6,532.63)			(6,532.63)

Financial Account Information - April 2011

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
03/31/2011	bal forward	721,494.63	30,000.00	69,297.46	8,872,771.84	32,863.84	9,726,427.77
04/18/2011	Deposit	51,307.26					51,307.26
	LAIF Quarterly Interest					41.11	41.11
	Credit Card-4/15	317.23					317.23
	Credit Card-4/18	1,022.47					1,022.47
	Electronic	12,368.88					12,368.88
	Website-4/18	680.38					680.38
	Website-4/19	66.00					66.00
04/19/2011	Deposit	40,863.86					40,863.86
	Deposit-SB Tax	296,882.96					296,882.96
	Deposit-M/C	1,680.00					1,680.00
	Deposit-Riv Tax	196.67					196.67
	Credit Card-4/18	587.79					587.79
	Credit Card-4/19	2,443.00					2,443.00
	Electronic	16,659.96					16,659.96
	Website-4/19	1,404.56					1,404.56
	Website-4/20	310.62					310.62
04/20/2011	Deposit	30,760.57					30,760.57
	Deposit-M/C	175.00					175.00
	Credit Card-4/19	1,355.42					1,355.42
	Credit Card-4/20	3,917.12					3,917.12
	Electronic	7,122.93					7,122.93
	Website-4/20	1,137.11					1,137.11
	Website-4/21	196.37					196.37
	Website-4/21	68.72					68.72
	ACH pmts	19,912.19					19,912.19
4/22/11-PR	Federal Taxes		(35,171.22)				(35,171.22)
4/22/11-PR	State Taxes		(6,483.71)				(6,483.71)
4/22/11-PR	State Taxes		(0.02)				(0.02)
4/22/11-PR	PR Direct Deposit		(96,319.50)				(96,319.50)
4/22/11-PR	ING 457		(6,395.13)				(6,395.13)
	Cks #12096-12154		(711,832.55)				(711,832.55)
4/20	TRF#989 - AP & PR	(856,202.13)	856,202.13				0.00
4/20	TRF#990 - treas purch	(500,000.00)		500,000.00			0.00
4/21	TRF#991 - treas purch			(500,000.00)			(500,000.00)
04/21/2011	Deposit	22,094.63					22,094.63
	Credit Card-4/20	431.18					431.18
	Credit Card-4/21	1,614.45					1,614.45
	Electronic	7,514.56					7,514.56
	Website-4/21	626.40					626.40
	Website-4/22	309.98					309.98
04/22/2011	Deposit	28,203.89					28,203.89
	Credit Card-4/21	253.85					253.85
	Credit Card-4/22	2,018.25					2,018.25
	Electronic	12,269.14					12,269.14
	Website-4/22	7,208.02					7,208.02
	Website-4/23	129.32					129.32
	Website-4/23	609.99					609.99
	Website-4/24	589.22					589.22
	Website-4/25	519.60					519.60

Financial Account Information - April 2011

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
03/31/2011	bal forward	721,494.63	30,000.00	69,297.46	8,872,771.84	32,863.84	9,726,427.77
04/25/2011	Deposit	74,915.94					74,915.94
	Credit Card-4/22	416.44					416.44
	Credit Card-4/25	2,334.46					2,334.46
	Electronic	15,064.09					15,064.09
	Website-4/25	1,822.83					1,822.83
	Website-4/26	57.46					57.46
	Website-4/26	214.50					214.50
	ACH pmts	45,065.18					45,065.18
04/26/2011	Deposit	45,666.39					45,666.39
	Credit Card-4/25	59.35					59.35
	Credit Card-4/26	1,231.85					1,231.85
	Electronic	13,978.84					13,978.84
	Website-4/26	1,090.10					1,090.10
	Website-4/27	140.37					140.37
	Website-4/27	61.22					61.22
04/27/2011	Deposit	46,013.42					46,013.42
	Credit Card-4/26	514.17					514.17
	Credit Card-4/27	3,053.24					3,053.24
	Electronic	7,472.90					7,472.90
	Website-4/27	813.69					813.69
	Website-4/28	100.00					100.00
	Website-4/28	374.23					374.23
	Cks #12155-12211		(216,839.15)				(216,839.15)
	TRF#992 - AP	(216,839.15)	216,839.15				0.00
04/28/2011	Deposit	24,813.37					24,813.37
	Credit Card-4/27	1,692.45					1,692.45
	Credit Card-4/28	829.32					829.32
	Electronic	3,588.85					3,588.85
	Website-4/28	499.53					499.53
	Website-4/29	66.00					66.00
04/29/2011	Deposit	15,881.38					15,881.38
	Deposit-M/C	3,270.75					3,270.75
	Deposit - SB Taxes	543,782.80					543,782.80
	Credit Card-4/28	108.48					108.48
	Credit Card-4/29	1,179.16					1,179.16
	Electronic	8,288.96					8,288.96
	Website-4/29	773.78					773.78
	Website-5/2	335.34					335.34
	April '11 NSF's	(720.84)					(720.84)
4/21	Cusip #9127952M2 maturity				(1,212,557.26)		(1,212,557.26)
4/26	Cusip #9127952F7 purchase				1,712,645.49		1,712,645.49
4/30	retained in MM				944.38		944.38
TOTALS		1,340,355.63	30,000.00	62,764.83	9,373,214.58	32,904.95	10,839,239.99

Investment Summary - April 2011

U.S. TREASURIES

Quantity	Description	Cusip	Maturity Date	Yield	Cost of Purchase	Market Value
2,731,000	US Treasury Bill	9127952R1	May 19, 2011	0.070%	2,730,146.56	2,730,808.83
1,230,000	US Treasury Bill	9127952W0	June 23, 2010	0.090%	1,229,538.75	1,229,754.00
1,700,000	US Treasury Bill	9127953A7	July 21, 2011	0.070%	1,699,507.46	1,699,473.00
2,001,000	US Treasury Bill	9127953E9	August 18, 2011	0.070%	2,000,431.94	1,999,959.48
1,713,000	US Treasury Bill	9127952F7	September 22, 2011	0.050%	1,712,645.49	1,712,645.49
9,375,000	Total Values				9,372,270.20	9,372,640.80

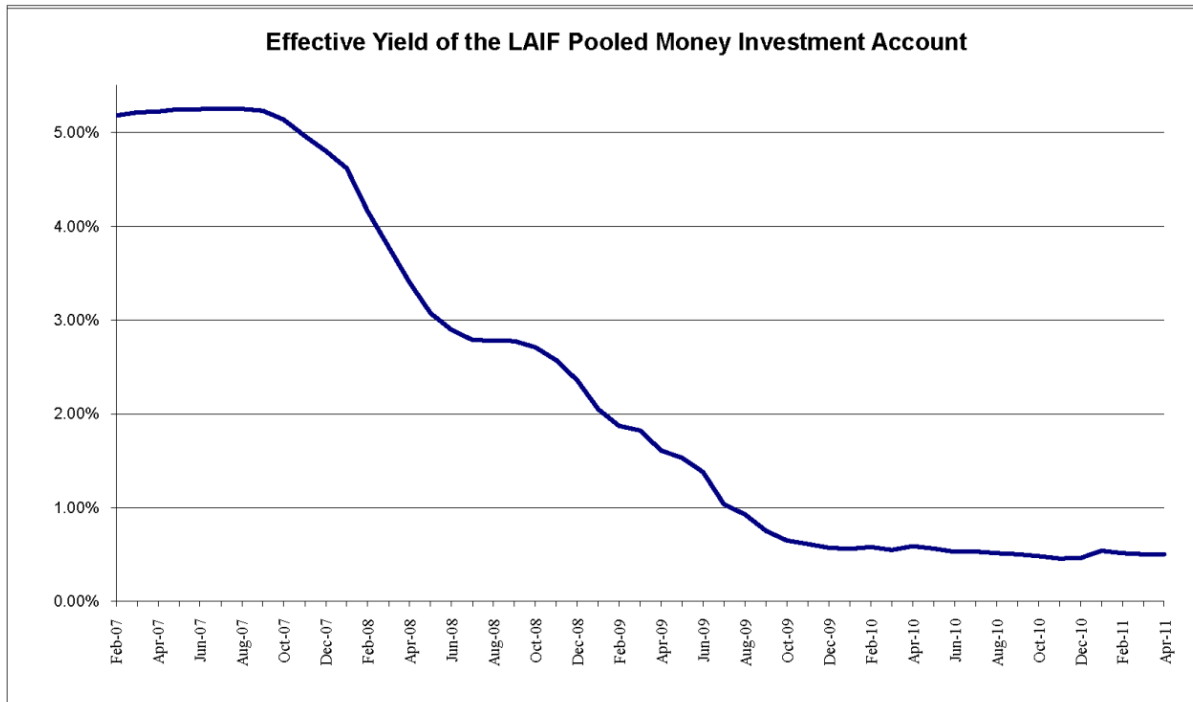
Money Market Account Activity-Beginning Balance	589.87
4/30/11 - Dividend	0.00
4/21/11 - Cusip # 9127952M2 Interest	442.74
Income	442.74
4/22/11 - Intra-Bank Transfers to/from Investment Checking	500,000.00
Fund Transfers	500,000.00
4/21/11 - Cusip # 9127952M2 Maturity	1,212,557.26
Redemptions	1,212,557.26
4/26/11 - Cusip # 9127952F7 Purchase	(1,712,645.49)
Purchases	(1,712,645.49)
 Ending Balance - Money Market	 944.38
 US Treasury Securities Investment Principal	 9,372,270.20
 Total Assets	 9,373,214.58

Investment Summary - April 2011

LOCAL AGENCY INVESTMENT FUND				
PERIOD	TOTAL WITHDRAWAL AMOUNT	TOTAL DEPOSIT AMOUNT	ACCRUED INTEREST (QUARTERLY)	ENDING BALANCE
July 31, 2010	\$0.00	\$0.00	\$45.39	\$32,783.80
August 31, 2010	\$0.00	\$0.00	\$0.00	\$32,783.80
September 30, 2010	\$0.00	\$0.00	\$0.00	\$32,783.80
October 31, 2010	\$0.00	\$0.00	\$42.34	\$32,826.14
November 30, 2010	\$0.00	\$0.00	\$0.00	\$32,826.14
December 31, 2010	\$0.00	\$0.00	\$0.00	\$32,826.14
January 31, 2011	\$0.00	\$0.00	\$37.70	\$32,863.84
February 28, 2011	\$0.00	\$0.00	\$0.00	\$32,863.84
March 31, 2011	\$0.00	\$0.00	\$0.00	\$32,863.84
April 30, 2011	\$0.00	\$0.00	\$41.11	\$32,904.95
May 31, 2011	\$0.00	\$0.00	\$0.00	\$32,904.95
June 30, 2011	\$0.00	\$0.00	\$0.00	\$32,904.95

L.A.I.F. INCOME SUMMARY

	<u>CURRENT QUARTER</u>	<u>FY YEAR-TO-DATE</u>
<u>INCOME RECEIVED</u>	\$41.11	\$166.54



Daily Deposit Allocation - April 2011

DATE	DESCRIPTION	QTY	DEPOSIT CHECKING DEPOSITS	AR Mail & Counter	AR Payment Centers	AR Credit Card	AR Electronic Rapid Pay	AR Web Site	AR ACH Auto Pay	AR TOTAL	Web Fees & Deposits	Water Allocation	Sewer Allocation	Recycled Allocation	RECAP TOTAL
04/01/2011	3/31 Electronic	65	4,387.18	39,907.28			4,387.18			4,387.18					4,387.18
	Mail & Counter	264	39,907.28							39,907.28					39,907.28
	Credit Cards	11	1,004.75			1,004.75				1,004.75					1,004.75
	Electronic	140	9,122.24				9,122.24			9,122.24					9,122.24
	Website	38	2,952.54					2,886.04		2,886.04	66.50				2,952.54
04/04/2011	Mail & Counter	637	55,066.31	54,946.31						54,946.31	120.00				55,066.31
	Credit Cards	32	3,093.17			3,093.17				3,093.17					3,093.17
	Electronic	235	15,814.00				15,814.00			15,814.00					15,814.00
	Website	23	1,577.36					1,537.11		1,537.11	40.25				1,577.36
04/05/2011	ACH payment	345	27,586.88						27,586.88	27,586.88					27,586.88
	Mail & Counter	630	53,888.07	53,888.07						53,888.07					53,888.07
	Deposit-MC	-	187,012.80							0.00		187,012.80			187,012.80
	Credit Cards	17	1,513.64			1,513.64				1,513.64					1,513.64
	Electronic	354	21,944.31				21,944.31			21,944.31					21,944.31
04/06/2011	Website	16	1,262.74					1,234.74		1,234.74	28.00				1,262.74
	Mail & Counter	411	46,887.86	46,887.86						46,887.86					46,887.86
	Deposit-MC	-	1,277.57							0.00		1,277.57			1,277.57
	Deposit-MC	-	1,076.45							576.45			500.00		1,076.45
	Credit Cards	30	3,724.53			3,724.53				3,724.53					3,724.53
	Electronic	187	11,587.25				11,587.25			11,587.25					11,587.25
04/07/2011	Website	13	1,085.43					1,062.68		1,062.68					1,085.43
	Mail & Counter	266	42,886.65	42,886.65						42,886.65					42,886.65
	Credit Cards	10	832.24			832.24				832.24					832.24
	Electronic	120	8,801.91				8,801.91			8,801.91					8,801.91
	Website	14	1,311.70					1,287.20		1,287.20	24.50				1,311.70
04/08/2011	Mail & Counter	301	36,354.79	36,354.79						36,354.79					36,354.79
	Credit Cards	11	1,086.29			1,086.29				1,086.29					1,086.29
	Electronic	170	10,720.66				10,720.66			10,720.66					10,720.66
	Website	29	2,333.11					2,282.36		2,282.36	50.75				2,333.11
04/11/2011	Mail & Counter	520	85,525.92	85,525.92						85,525.92					85,525.92
	Credit Cards	21	2,154.05			2,154.05				2,154.05					2,154.05
	Electronic	161	10,155.47				10,155.47			10,155.47					10,155.47
	Website	10	841.77					824.27		824.27	17.50				841.77
04/12/2011	ACH payment	442	34,980.90						34,980.90	34,980.90					34,980.90
	Mail & Counter	322	29,290.77	29,290.77						29,290.77	1,500.00				29,290.77
	Deposit-MC	-	7,706.04							0.00		3,413.28	4,292.76		7,706.04
	Credit Cards	17	1,358.51			1,358.51				1,358.51					1,358.51
	Electronic	204	12,854.77				12,854.77			12,854.77					12,854.77
	Website (16 fees)	18	1,866.15					1,838.15		1,838.15	28.00				1,866.15
04/13/2011	Mail & Counter	319	42,473.29	42,473.29						42,473.29	60.00				42,473.29
	Deposit-Riv Tax	-	12,687.56							0.00		12,687.56			12,687.56
	Credit Cards	26	2,943.34			2,943.34				2,943.34					2,943.34
	Electronic	83	4,967.95				4,967.95			4,967.95					4,967.95
	Website	10	1,078.61					1,061.11		1,061.11	17.50				1,078.61
04/14/2011	Mail & Counter	219	24,136.85	24,136.85						24,136.85					24,136.85
	Credit Cards	19	1,982.80			1,982.80				1,982.80					1,982.80
	Electronic	90	5,652.02				5,652.02			5,652.02					5,652.02
	Website	14	1,023.93					999.43		999.43	24.50				1,023.93
04/15/2011	Mail & Counter	295	21,752.07	21,752.07						21,752.07					21,752.07
	Credit Cards	19	1,476.24			1,476.24				1,476.24					1,476.24
	Electronic	199	12,288.43				12,288.43			12,288.43					12,288.43
	Website	33	2,830.19					2,774.19		2,774.19	56.00				2,830.19
	ACH payment	445	33,358.54						33,358.54	33,358.54					33,358.54
04/18/2011	Mail & Counter	610	51,307.26	51,307.26						51,307.26					51,307.26
	Credit Cards	17	1,339.70			1,339.70				1,339.70					1,339.70
	Electronic	196	12,368.88				12,368.88			12,368.88					12,368.88
	Website	13	746.38					723.63		723.63	22.75				746.38

Daily Deposit Allocation - April 2011

DATE	Description	Qty	DEPOSIT CHECKING DEPOSITS	AR Mail & Counter	AR Payment Centers	AR Credit Card	AR Electronic Rapid Pay	AR Web Site	AR ACH Auto Pay	AR TOTAL	Web Fees & Deposits	Water Allocation	Sewer Allocation	Recycled Allocation	RECAP TOTAL
04/19/2011	Mail & Counter	479	40,863.86	40,863.86						40,863.86					40,863.86
	Deposit-SB Tax	-	296,882.96	7,234.21						7,234.21		289,648.75			296,882.96
	Deposit-MC	-	1,680.00							0.00		1,500.00	180.00		1,680.00
	Deposit-Riv Tax	-	196.67							0.00		196.67			196.67
	Credit Cards	28	3,030.79		3,030.79					3,030.79					3,030.79
	Electronic	252	16,659.96				16,659.96			16,659.96					16,659.96
	Website	18	1,715.18					1,683.68		1,683.68	31.50				1,715.18
04/20/2011	Mail & Counter	376	30,760.57	30,760.57						30,760.57		175.00			30,760.57
	Deposit-MC	-	175.00							0.00					175.00
	Credit Cards	45	5,272.54		5,272.54					5,272.54					5,272.54
	Electronic	111	7,122.93				7,122.93			7,122.93					7,122.93
	Website	14	1,402.20					1,377.70		1,377.70	24.50				1,402.20
	ACH payment	426	19,912.19						19,912.19	19,912.19					19,912.19
04/21/2011	Mail & Counter	312	22,094.63	22,094.63						22,094.63					22,094.63
	Credit Cards	16	2,045.63			2,045.63				2,045.63					2,045.63
	Electronic	114	7,514.56				7,514.56			7,514.56					7,514.56
	Website (12 fees)	13	936.38					915.38		915.38	21.00				936.38
04/22/2011	Mail & Counter	253	28,203.89	28,203.89						28,203.89					28,203.89
	Credit Cards	20	2,272.10			2,272.10				2,272.10					2,272.10
	Electronic	188	12,269.14				12,269.14			12,269.14					12,269.14
	Website (36 fees)	37	9,056.15					8,993.15		8,993.15	63.00				9,056.15
04/25/2011	Mail & Counter	648	74,915.94	74,915.94						74,915.94					74,915.94
	Credit Cards	29	2,750.90			2,750.90				2,750.90					2,750.90
	Electronic	238	15,064.09				15,064.09			15,064.09					15,064.09
	Website	24	2,094.79					2,052.79		2,052.79	42.00				2,094.79
	ACH payment	488	45,065.18						45,065.18	45,065.18					45,065.18
04/26/2011	Mail & Counter	387	45,666.39	45,666.39						45,666.39					45,666.39
	Credit Cards	13	1,291.20			1,291.20				1,291.20					1,291.20
	Electronic	216	13,978.84				13,978.84			13,978.84					13,978.84
	Website	17	1,291.69					1,261.94		1,261.94	29.75				1,291.69
04/27/2011	Mail & Counter	322	46,013.42	46,013.42						46,013.42					46,013.42
	Credit Cards	31	3,567.41			3,567.41				3,567.41					3,567.41
	Electronic	114	7,472.90				7,472.90			7,472.90					7,472.90
	Website	15	1,287.92					1,261.67		1,261.67	26.25				1,287.92
04/28/2011	Mail & Counter	227	24,813.37	24,813.37						24,813.37					24,813.37
	Credit Cards	15	2,521.77			2,521.77				2,521.77					2,521.77
	Electronic	58	3,588.85				3,588.85			3,588.85					3,588.85
	Website	9	565.53					549.78		549.78	15.75				565.53
04/29/2011	Mail & Counter	229	15,881.38	15,881.38						15,881.38					15,881.38
	Deposit-MC	-	3,270.75							0.00		3,270.75			3,270.75
	Deposit - SB Taxes		543,782.80							0.00		543,782.80			543,782.80
	Credit Cards	18	1,287.64			1,287.64				1,287.64					1,287.64
	Electronic	129	8,288.96				8,288.96			8,288.96					8,288.96
	Website	12	1,109.12					1,088.12		1,088.12	21.00				1,109.12
ARRA Draw#10	Website									0.00					0.00
Prop 50 Draw#5	Website									0.00					0.00
Apr-11	Utility Pmt Cntr-458			(30,857.54)	30,857.54					0.00					0.00
	April 11' NSF's		(720.84)	833,242.85	30,857.54	46,549.24	232,635.30	37,695.12	160,903.69	1,341,883.74	2,353.75	1,042,965.18	4,972.76	0.00	2,392,175.43
	TOTALS	14,632	2,392,175.43	833,242.85	30,857.54	46,549.24	232,635.30	37,695.12	160,903.69	1,341,883.74	2,353.75	1,042,965.18	4,972.76	0.00	2,392,175.43

TOTAL # AR PAYMENTS 7,569 458 429 3,624 406 2,146 14,632
 PERCENT OF TOTAL RECEIVED 51.73% 3.13% 2.93% 24.77% 2.77% 14.67% 100%

FY 2011 - Water Revenue

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
02-40010	Sales - Water	5,975,000	1,838,881	612,943	363,663	356,252	212,982	247,768	265,541	257,231	4,155,261	69.54%
02-40011	Sales - Construction Water	20,000	13,862	6,891	3,352	2,886	778	1,842	1,408	396	31,416	157.08%
02-40013	Sales - Imported Water	800,000	303,245	102,761	63,708	62,689	38,339	45,017	47,279	45,885	708,924	88.62%
02-40014	Sales Disc - Multi Units Usage Chrg.	(125,000)	(32,436)	(11,899)	(8,858)	(10,513)	(7,739)	(7,622)	(9,861)	(8,669)	(97,598)	78.08%
02-40015	Water Wholesale Revenue	170,000	11,354	3,371	3,237	23,890	3,620	3,145	3,338	2,970	54,927	32.31%
02-40016	Service Establishment Fee	100	0	0	0	0	0	0	0	0	0	0.00%
02-41000	Service Demand Charges	2,100,000	395,723	178,477	160,927	183,835	177,978	160,251	184,243	178,462	1,619,895	77.14%
02-41001	Fire Service Standby Fees	17,500	3,127	1,338	1,242	1,442	1,350	1,202	1,398	1,335	12,433	71.04%
02-41003	Construction Service Charge	15,000	1,151	398	536	598	391	334	515	499	4,422	29.48%
02-41005	Sales Disc-Multi Units Service Chrg.	(90,000)	(18,506)	(8,290)	(7,488)	(8,557)	(8,290)	(7,488)	(8,557)	(8,290)	(75,464)	83.85%
02-41010	Unauthorized Use of Water Charge	2,500	325	0	65	0	195	0	195	65	845	33.80%
02-41110	Meter/Lateral installation	2,500	0	0	0	650	0	975	3,900	4,225	9,750	390.00%
02-41112	Fire Flow Test Fees	2,500	525	75	150	150	75	300	300	225	1,800	72.00%
02-41113	Disconnect/Reconnect Fees	150,000	26,655	9,845	8,215	8,070	9,085	8,325	11,250	8,575	90,120	60.08%
02-41121	Delinquent Payment Charges	135,000	41,582	19,446	14,751	8,787	9,009	6,470	5,034	7,056	112,136	83.06%
02-41124	Bad Debt	0	0	0	0	0	0	0	0	0	0	0
02-42123	Management & Accounting Fees	593,310	148,328	49,443	49,443	49,443	49,443	49,443	49,443	49,443	494,425	83.33%
02-43010	Interest Earned	50,000	442	66	495	217	143	662	24	484	2,533	5.07%
02-43110	Property Tax - Unsecured	100,000	0	6,054	89,543	(46,859)	121	(477)	221	(192)	48,412	48.41%
02-43120	Property Tax - Secured	2,300,000	0	0	(390)	705,291	159,333	41,233	33,883	857,998	1,797,348	78.15%
02-43130	Tax Collection - Prior	75,000	366	9,363	9,165	(6,676)	1,086	2,985	4,391	3,848	24,527	32.70%
02-43140	Other Taxes	75,000	213	0	27	13,248	16,606	22,581	3,362	8,306	64,343	85.79%
02-49150	Revenue - Misc. Non-Operating	35,000	18,677	5,607	5,055	7,082	4,172	2,145	2,067	2,496	47,300	135.14%
	WATER OPERATING REVENUE	12,403,410	2,753,512	985,988	756,838	1,351,924	668,679	579,092	599,374	1,412,347	9,107,753	73.43%
02-82002	Grants (FEMA)	0	0	3,172	0	5,061	0	18,901	0	0	27,134	
02-89901	Facility Capacity Charges	0	0	0	0	5,156	13,180	39,540	158,160	171,340	387,376	
02-89902	Sustainability	0	0	0	0	881	881	2,642	10,567	11,448	26,418	
	TOTAL WATER REVENUE	12,403,410	2,753,512	989,160	756,838	1,363,022	682,739	640,175	768,101	1,595,135	9,548,681	

FY 2011 - Sewer Revenue

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
03-40016	Sales - Establish Service Fee	0	25	0	0	0	0	0	0	0	25	
03-41000	Sales - Sewer Charges	10,100,000	2,033,385	852,545	846,296	843,691	832,729	833,723	843,373	834,315	7,920,058	78.42%
03-41005	Sales Disc-Multi Units Service Chrg.	(215,000)	(39,348)	(16,606)	(16,551)	(16,591)	(16,522)	(16,528)	(16,549)	(16,551)	(155,246)	72.21%
03-41110	Meter/Lateral Installation	0	1,900	0	0	0	0	0	0	0	1,900	
03-41121	Penalty Late Charges	140,000	31,572	11,766	11,509	11,181	11,611	11,303	8,424	10,318	107,683	76.92%
03-41124	Bad Debt	0	0	0	0	0	0	0	0	0	0	
03-41131	Front Footage Fees	0	27,395	0	0	0	0	0	0	0	27,395	
03-42122	Revenue - other operating	1,000	360	0	180	180	0	0	0	180	900	90.00%
03-43010	Interest Earned	45,000	432	597	0	0	258	0	869	0	2,156	4.79%
03-43110	Property Tax - Unsecured	50,000	0	0	0	50,000	0	0	0	0	50,000	100.00%
03-43120	Property Tax - Secured	250,000	0	0	0	250,000	0	0	0	0	250,000	100.00%
03-43130	Tax Collection - Prior	20,000	0	0	0	10,000	0	0	0	0	10,000	50.00%
03-43140	Other Taxes	1,500	0	0	0	1,500	0	0	0	0	1,500	100.00%
03-49150	Misc. Non-Oper Revenue	2,000	0	0	0	0	23,515	0	1,500	0	25,015	1250.74%
	SEWER OPERATING REVENUE	10,394,500	2,055,720	848,301	841,434	1,149,962	851,591	828,498	837,617	828,262	8,241,385	79.29%
03-82003	Grants - ARRA	0	0	242,258	126,603	117,256	135,594	0	248,480	119,243	989,434	
03-82004	Grants - Prop 50	0	0	0	917,389	296,863	281,745	0	128,616	96,223	1,720,836	
03-89901	Facility Capacity Charges	0	17,755	0	0	7,891	0	0	0	0	25,646	
	TOTAL SEWER REVENUE	10,394,500	2,073,475	1,090,559	1,885,426	1,571,972	1,268,930	828,498	1,214,712	1,043,728	10,977,301	

FY 2011 - Recycled Revenue

ACCOUNT#	Description	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
04-40010	Sales - Recycled Water	365,000	155,949	46,064	18,815	18,603	3,586	6,907	(70,482)	10,048	189,490	51.92%
04-40011	Sales - Construction Water	9,000	916	80	25	188	623	49	98	30	2,009	22.32%
04-41000	Sales - Service Demand Chrg.	26,000	5,616	2,424	2,131	2,433	2,296	2,076	1,819	1,754	20,550	79.04%
04-41003	Const. Water Minimum Chrg.	4,000	659	285	258	327	357	347	306	214	2,752	68.79%
04-41110	Meter/Lateral installation	0	0	0	0	0	0	0	0	0	0	
04-41121	Penalty - Late Charge	775	42	7	21	6	40	83	0	0	199	25.69%
04-43010	Interest Earned	0	0	0	64	0	0	0	0	0	64	
04-43110	Property Tax - Unsecured	500	0	0	0	500	0	0	0	0	500	100.00%
04-43120	Property Tax - Secured	6,000	0	0	0	6,000	0	0	0	0	6,000	100.00%
04-49150	Misc. Non-Operating Revenue	0	0	0	0	0	0	0	0	0	0	
	RECYCLED OPERATING REVENUE	411,275	163,182	48,861	21,314	28,055	6,902	9,462	(68,259)	12,045	221,563	53.87%
04-82001	Grants-EPA #XP989384-01	0	0	0	0	0	0	0	(7,852)	0	(7,852)	
04-89901	Facility Capacity Charges	0	0	0	0	5,467	0	0	0	0	5,467	
	TOTAL RECYCLED REVENUE	411,275	163,182	48,861	21,314	33,522	6,902	9,462	(76,112)	12,045	219,178	

FY 2011 - Water Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
02-5-01-50010	Labor-Water Resources	644,500	149,337	43,582	40,151	70,150	45,041	41,842	44,634	43,774	478,511	74.25%
02-5-01-50011	Labor Credit	0	0	0	0	0	0	0	0	0	0	0
02-5-01-50013	Benefits-Fica	52,000	12,101	3,576	3,292	5,424	3,731	3,478	3,693	3,659	38,954	74.91%
02-5-01-50014	Benefits-Life Insurance	3,420	804	276	214	235	256	256	256	256	2,552	74.61%
02-5-01-50016	Benefits-Health/Defrd Comp	90,720	25,765	8,674	7,062	8,520	8,882	8,337	13,482	8,015	84,338	92.96%
02-5-01-50017	Benefits-Disability Insurance	9,300	2,515	773	627	938	822	784	817	811	8,087	86.96%
02-5-01-50019	Benefits-Workers Compensation	34,000	2,797	0	8,275	3,481	3,481	981	3,481	3,500	25,996	76.46%
02-5-01-50021	Benefits-PERS	45,000	9,026	2,812	2,654	4,215	2,884	2,756	2,884	2,853	30,085	66.85%
02-5-01-50022	Benefits-PERS-Employer	78,500	16,432	5,112	4,821	7,663	5,243	5,009	5,243	5,186	54,709	69.89%
02-5-01-50023	Benefits-Uniforms	2,500	586	156	161	210	151	145	187	124	1,720	68.79%
02-5-01-50024	Benefits-Vacation & Sick Pay	3,600	1,231	611	690	888	475	413	611	554	5,472	152.00%
02-5-01-50025	Benefits-Boot Allowance	1,575	150	150	375	(75)	75	144	135	147	1,101	69.89%
02-5-01-51003	R&M - Structures	215,000	35,981	11,817	29,905	28,424	8,018	5,647	11,010	10,613	141,417	65.78%
02-5-01-51011	R&M - CLA Valves	15,000	104	639	0	0	0	0	0	0	743	4.96%
02-5-01-51140	General Supplies & Expenses	1,500	71	71	0	841	160	294	215	0	1,792	119.44%
02-5-01-51210	Utilities - Power Purchases	1,405,000	598,887	118,542	84,808	77,008	82,243	24,692	73,571	79,073	1,132,824	80.63%
02-5-01-51211	Utilities - Electricity & Fuel	4,000	1,253	344	321	338	361	73	271	326	3,287	82.18%
02-5-01-51316	Imported Water Purchases	800,000	336,432	116,824	90,494	42,113	34,703	0	26,569	43,777	690,913	86.36%
02-5-01-54019	Licenses & Permits	22,000	10,285	0	1,207	1,902	635	0	4,203	675	18,906	85.94%
02-5-01-54110	Laboratory Services	90,000	16,780	2,955	2,656	2,540	4,540	3,005	2,550	4,765	39,791	44.21%
02-5-01-57040	YVRWFF Operating Expense	700,000	137,721	34,885	59,181	30,464	60,747	39,651	19,790	41,797	424,239	60.61%
	WATER RESOURCE TOTALS	4,217,615	1,358,259	351,730	337,737	284,599	262,497	137,506	213,612	239,496	3,185,436	75.53%
02-5-03-50010	Labor-Public Works	827,730	183,113	61,919	65,018	98,516	63,137	62,895	62,859	61,325	658,781	79.59%
02-5-03-50011	Labor Credit	0	(10,725)	(1,884)	0	0	(8,909)	(2,299)	0	0	(23,816)	
02-5-03-50013	Benefits-Fica	67,500	14,841	5,008	5,248	7,977	5,181	5,147	5,129	5,086	53,618	79.43%
02-5-03-50014	Benefits-Life Insurance	5,750	1,270	426	426	419	426	426	426	426	4,243	73.80%
02-5-03-50016	Benefits-Health/Defrd Comp	138,240	40,108	14,828	14,829	15,100	15,802	15,374	25,717	4,803	146,559	106.02%
02-5-03-50019	Benefits-Disability Insurance	15,100	3,144	1,081	1,095	1,408	1,153	1,148	1,145	1,138	11,292	74.78%
02-5-03-50021	Benefits-Workers Compensation	34,000	2,849	0	8,888	3,800	3,800	1,300	3,800	4,062	28,499	83.82%
02-5-03-50022	Benefits-PERS	58,600	11,766	4,086	4,156	6,128	4,086	4,155	4,086	4,044	42,506	72.54%
02-5-03-50023	Benefits-PERS-Employer	102,300	21,421	7,427	7,549	11,141	7,427	7,548	7,427	7,351	77,291	75.55%
02-5-03-50024	Benefits-Vacation & Sick Pay	4,900	1,942	333	338	447	359	360	475	293	4,546	92.78%
02-5-03-50025	Benefits-Boot Allowance	3,000	580	0	0	387	387	193	0	387	1,933	64.43%
02-5-03-51001	R & M - Vehicles & Equipment	2,400	431	442	150	150	430	150	150	0	1,752	73.01%
02-5-03-51011	R&M - Valves	195,000	34,299	15,789	16,976	22,362	7,548	15,914	8,969	6,311	128,169	65.73%
02-5-03-51020	R&M - Pipelines	10,000	636	3,154	0	0	0	285	2,107	0	6,181	61.81%
02-5-03-51021	R&M - Service Lines	260,000	85,294	14,406	12,349	13,629	7,477	1,571	33,923	7,321	175,970	67.68%
02-5-03-51022	R&M - Fire Hydrants	135,000	16,223	4,638	7,019	6,239	952	4,603	4,334	7,085	51,093	37.85%
02-5-03-51030	R&M - Water Meters	25,000	261	1,044	1,623	1,511	1,033	0	20	266	5,758	23.03%
02-5-03-51092	Equipment Credits	130,000	17,867	2,263	1,772	2,559	1,455	1,317	3,863	5,223	36,318	27.94%
02-5-03-51140	General Supplies & Expenses	0	(5,022)	(1,114)	(5)	0	(3,609)	(32)	0	0	(9,781)	
	PUBLIC WORKS TOTALS	2,017,000	420,427	133,852	147,431	191,897	108,132	119,903	164,429	115,120	1,401,192	69.47%

FY 2011 - Water Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
02-5-06-50010	Labor-Administration	702,850	152,287	63,734	49,345	72,639	47,651	47,933	47,885	47,876	529,360	75.32%
02-5-06-50011	Labor Credit	0	0	4	(1,320)	0	0	0	0	0	(1,316)	
02-5-06-50012	Director Fees	14,000	2,735	1,216	1,155	1,459	1,155	1,945	1,398	2,370	13,432	95.95%
02-5-06-50013	Benefits-Fica	56,200	11,800	4,899	3,767	4,944	4,155	4,231	4,176	4,207	42,179	75.05%
02-5-06-50014	Benefits-Life Insurance	4,250	947	319	291	284	291	291	291	291	3,006	70.73%
02-5-06-50016	Benefits-Health/Defrd Comp	152,100	34,572	12,151	11,892	12,505	11,987	11,987	18,441	5,461	118,995	78.23%
02-5-06-50017	Benefits-Disability Insurance	9,500	2,309	838	653	766	841	846	843	843	7,939	83.57%
02-5-06-50019	Benefits-Workers Compensation	25,700	1,447	0	5,594	1,800	1,800	800	1,800	1,800	15,041	58.52%
02-5-06-50021	Benefits-PERS	49,200	10,482	3,518	3,440	5,015	3,305	3,325	3,309	3,322	35,716	72.59%
02-5-06-50022	Benefits PERS Employer	85,800	19,078	6,395	6,260	9,117	6,008	6,050	6,016	6,039	64,964	75.72%
02-5-06-50023	Uniforms	1,500	402	108	109	142	110	114	144	85	1,213	80.86%
02-5-06-50024	Benefits-Vacation & Sick Pay	11,500	2,786	635	608	1,048	641	731	599	647	7,695	66.91%
02-5-06-50025	Benefits-Boots	1,500	281	0	147	75	0	0	450	0	953	63.53%
02-5-06-51003	R&M - Structures	15,000	4,853	442	515	2,817	1,263	552	871	1,076	12,389	82.59%
02-5-06-51091	Expense Credits (overhead)	0	(350)	(385)	(57)	0	(1,795)	(8)	0	0	(2,596)	
02-5-06-51120	Safety Equipment/Supplies	10,000	3,700	1,102	1,441	383	1,291	214	1,026	802	9,958	99.58%
02-5-06-51125	Petroleum Products	100,000	28,289	7,491	8,917	4,785	11,773	8,202	6,558	11,489	87,504	87.50%
02-5-06-51130	Office Supplies & Expenses	40,000	10,415	1,018	1,215	1,755	9,061	781	2,101	6,999	33,344	83.36%
02-5-06-51140	General Supplies & Expenses	30,000	4,972	3,417	943	988	4,345	1,353	1,384	3,751	18,279	60.93%
02-5-06-51199	Disaster Incidences	25,000	10,817	150	1,001	4,816	2,149	2,532	389	878	21,638	
02-5-06-51211	Utilities - Electricity	5,000	113	104	272	485	439	533	317	0	2,263	45.26%
02-5-06-51213	Utilities - Natural Gas	20,000	102	0	520	72	4,499	3,939	451	447	10,030	50.15%
02-5-06-54002	Dues & Subscriptions	150,000	18,205	2,436	10,096	649	1,995	13,373	4,860	(82)	51,531	34.35%
02-5-06-54005	Computer Expenses	7,500	170	50	78	17	2,022	109	110	200	2,754	36.72%
02-5-06-54010	Postage	20,000	5,941	81	0	0	109	0	0	0	6,130	30.65%
02-5-06-54011	Printing & Publications	30,000	11,876	2,196	2,975	1,674	348	286	3,133	113	22,601	75.34%
02-5-06-54012	Education & Training	125,000	32,484	10,870	11,079	11,091	16,235	10,474	8,881	6,905	108,019	86.42%
02-5-06-54013	Utility Billing Expenses	10,000	2,913	422	33	863	175	269	326	251	5,252	52.52%
02-5-06-54014	Public Relations	3,500	981	197	197	197	392	197	587	392	3,139	89.69%
02-5-06-54015	Rents & Leases	15,000	3,915	110	1,149	481	29	154	59	95	5,992	39.95%
02-5-06-54016	Travel Related Expenses	6,000	906	314	55	535	190	230	864	90	3,184	53.07%
02-5-06-54017	Certifications & Renewals	4,000	1,136	209	368	583	228	638	385	211	3,757	93.92%
02-5-06-54020	Meeting Related Expenses		178	0	250	0	0	0	0	0	428	
02-5-06-54021	Disaster Preparedness Training	3,000	470	157	157	157	157	157	157	0	1,411	47.03%
02-5-06-54024	Utilities - Waste Disposal	38,000	8,638	2,798	4,048	2,403	2,437	2,620	2,582	2,454	27,980	73.63%
02-5-06-54025	Utilities - Telephone	80,000	26,289	2,879	1,866	4,751	11,431	842	2,360	3,656	54,074	67.59%
02-5-06-54104	Contractual Services	60,000	6,700	1,823	4,928	3,551	1,541	2,860	4,723	(2,161)	23,964	39.94%
02-5-06-54107	Legal	16,000	9,350	1,216	253	0	0	0	0	0	10,818	67.61%
02-5-06-54108	Audit & Accounting	160,000	29,648	13,994	8,003	11,448	8,570	8,218	7,692	4,435	92,008	57.51%
02-5-06-54109	Professional Fees	699,976	174,994	58,331	58,331	58,331	58,331	58,331	58,331	58,331	583,313	83.33%
02-5-06-55500	Depreciation Reserves	115,000	27,606	9,202	9,202	9,202	9,202	9,202	9,202	9,202	92,020	80.02%
02-5-06-56001	Insurance	62,500	0	0	0	0	0	0	0	0	263	0.42%
02-5-06-57030	Regulatory Compliance	15,000	6,000	0	0	0	0	8,265	0	0	8,265	55.10%
02-5-06-57090	Election Related Expense	5,500	6,000	0	0	0	0	0	0	0	6,000	108.09%
02-5-06-57096	Beaumont Basin Watermaster	7,500	13	39	233	2,685	441	163	103	31,198	34,876	465.01%
02-5-06-57100	County Tax Collector Fees	0	318	0	0	(318)	(11,965)	7,865	0	0	(4,100)	
02-5-06-57199	Suspense	0	0	0	0	0	0	0	0	0	0	
ADMINISTRATION TOTALS		2,992,576	680,501	216,342	211,777	235,859	213,577	220,639	203,828	216,178	2,198,701	73.47%

FY 2011 - Water Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
02-5-40-57001	Asset Acq. - Water Resources	30,000	0	0	0	0	0	0	0	0	0	0.00%
02-5-40-57003	Asset Acq. - Public works	140,000	0	0	0	0	0	0	47,407	55,256	102,663	73.33%
02-5-40-57006	Asset Acq. - Administration	0	0	0	0	0	0	0	0	0	0	
02-5-40-57201	Debt Srv-Series 2004A Princ.(25009)	885,000	885,000	0	0	0	0	0	0	0	885,000	100.00%
02-5-40-57402	Interest-Long-Term Debt Bonds	2,046,219	1,031,406	0	0	0	0	0	1,014,813	0	2,046,219	100.00%
02-5-40-57806	Rate Stabilization Fund	75,000	0	0	0	0	0	0	0	0	0	0.00%
	40 - Debt & Capital Outlay	3,006,219	1,916,406	0	0	0	0	0	1,014,813	0	2,931,219	97.51%
	TOTAL WATER EXPENSES	12,233,410	4,375,593	701,924	696,945	712,356	584,206	478,048	1,596,681	570,793	9,716,548	79.43%

FY 2011 - Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
03-5-02-50010	Labor-VW Treatment	747,000	171,720	61,984	59,684	96,507	61,882	61,787	63,140	61,910	638,613	85.49%
03-5-02-50013	Benefits-Fica	62,900	14,298	5,174	4,971	7,692	5,228	5,206	5,309	5,178	53,056	84.35%
03-5-02-50014	Benefits-Life Insurance	4,150	974	331	329	319	341	341	341	341	3,316	79.91%
03-5-02-50016	Benefits-Health/Defrd Comp	135,800	31,938	11,343	11,312	13,086	12,441	12,005	18,323	5,582	116,030	85.44%
03-5-02-50017	Benefits-Disability Insurance	12,800	2,996	1,057	980	1,311	1,141	1,137	1,153	1,133	10,909	85.22%
03-5-02-50019	Benefits-Workers Compensation	31,475	2,647	0	8,275	3,481	3,481	981	3,481	3,500	25,846	82.12%
03-5-02-50021	Benefits-PERS	52,300	11,747	4,048	3,913	6,066	4,118	4,175	4,118	4,118	42,301	80.88%
03-5-02-50022	Benefits-PERS Employer	91,300	21,385	7,355	7,109	11,027	7,486	7,586	7,486	7,486	76,921	84.25%
03-5-02-50023	Benefits-Uniforms	3,300	971	272	257	347	273	295	360	222	2,996	90.79%
03-5-02-50024	Benefits-Vacation & Sick Pay	6,400	1,152	395	390	718	390	198	395	123	3,761	58.76%
03-5-02-50025	Benefits-Boot Allowance	1,725	0	0	375	0	75	0	0	0	450	26.09%
03-5-02-51003	R&M - Structures	200,000	55,497	14,508	1,180	31,295	(146)	20,999	17,637	7,667	148,637	74.32%
03-5-02-51010	R&M - Automation Control	50,000	9,907	14,544	1,000	5,329	4,953	3,797	9,928	5,625	55,084	110.17%
03-5-02-51106	Chemicals	500,000	129,404	45,230	46,637	50,668	64,091	31,298	57,264	24,743	449,335	89.87%
03-5-02-51111	Propane	10,000	0	0	0	1,769	0	0	0	0	1,769	17.69%
03-5-02-51115	Laboratory Supplies	32,000	6,963	3,179	1,518	2,478	127	2,039	2,814	1,476	20,595	64.36%
03-5-02-51140	General Supplies & Expenses	1,000	141	0	581	0	0	0	0	0	723	72.26%
03-5-02-51210	Utilities - Power Purchases	675,000	230,674	55,405	49,606	48,531	53,098	23,275	50,138	47,702	558,429	82.73%
03-5-02-54110	Laboratory Services	115,000	27,083	5,802	10,427	7,721	11,506	13,423	8,437	5,950	90,349	78.56%
03-5-02-57031	Sludge Disposal	280,000	74,535	22,627	24,553	25,688	23,404	20,912	36,232	25,000	252,950	90.34%
03-5-02-57033	Brine Disposal	26,000	8,130	2,710	2,710	2,710			0	0	16,260	62.54%
	TREATMENT TOTALS	3,038,150	802,161	255,964	235,808	316,743	253,888	209,454	286,558	207,754	2,568,331	84.54%

FY 2011 Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
03-5-06-50010	Labor-Administration	655,050	139,587	60,102	45,714	67,192	44,020	44,302	44,254	44,244	489,415	74.71%
03-5-06-50012	Directors Fees	15,000	2,735	1,216	1,155	1,459	1,155	1,945	1,398	2,370	13,432	89.55%
03-5-06-50013	Benefits-Fica	59,500	10,769	4,615	3,476	4,496	3,862	3,938	3,883	3,913	38,952	65.47%
03-5-06-50014	Benefits-Life Insurance	4,200	951	320	292	285	291	291	291	291	3,013	71.74%
03-5-06-50016	Benefits-Health\Defrd Comp	155,400	34,026	12,020	11,761	13,679	11,838	11,838	18,292	5,304	118,759	76.42%
03-5-06-50017	Benefits-Disability Insurance	10,600	2,162	844	612	700	795	800	797	797	7,657	70.82%
03-5-06-50019	Benefits-Workers Compensation	22,000	2,147	0	6,794	3,000	3,000	1,800	3,000	3,200	22,941	104.28%
03-5-06-50021	Benefits-PERS	48,300	9,743	3,264	3,186	4,634	3,051	3,070	3,055	3,068	33,072	68.47%
03-5-06-50022	Benefits PERS Employer	83,900	17,735	5,933	5,798	8,424	5,546	5,588	5,554	5,577	60,155	71.70%
03-5-06-50023	Benefits-Uniforms	1,000	223	74	77	101	81	81	106	61	805	80.49%
03-5-06-50024	Benefits-Vacation & Sick Pay	11,500	2,787	635	608	1,048	641	731	599	647	7,696	66.92%
03-5-06-50025	Benefits-Boot Allowance	1,400	0	0	0	0	0	0	0	0	0	0.00%
03-5-06-51120	Safety Equipment/Supplies	7,500	542	38	665	459	319	0	1,031	0	3,055	40.73%
03-5-06-51125	Petroleum Products	15,000	7,102	1,000	1,000	1,000	1,000	1,000	1,000	1,000	14,102	94.01%
03-5-06-51130	Office Supplies	6,000	370	58	69	353	0	0	0	0	850	14.17%
03-5-06-51140	General Supplies & Expenses	7,500	1,736	3,177	747	82	3,245	0	0	3,266	12,253	163.37%
03-5-06-51199	Disaster Incidences	0	0	0	0	1,028	10,333	10,619	0	0	21,981	
03-5-06-54002	Dues & Subscriptions	10,000	618	441	547	72	5,183	792	0	447	8,100	81.00%
03-5-06-54003	Management & Admin Services	593,310	148,328	49,443	49,443	49,443	49,443	49,443	49,443	49,443	494,425	83.33%
03-5-06-54005	Computer Expenses	45,000	16,661	1,854	9,001	649	4,071	14,577	4,158	(1,505)	49,466	109.92%
03-5-06-54011	Printing & Publications	4,000	6,379	81	0	0	170	0	0	0	6,630	165.75%
03-5-06-54012	Education & Training	20,000	4,140	1,375	260	1,674	262	2,155	220	560	10,646	53.23%
03-5-06-54014	Public Relations	10,000	2,400	184	33	743	0	269	326	251	4,206	42.06%
03-5-06-54016	Travel Related Expenses	10,000	743	1,359	475	463	23	154	2,408	1,114	6,739	67.39%
03-5-06-54017	Certifications & Renewals	5,500	656	50	530	19	854	0	0	0	2,109	38.34%
03-5-06-54019	Licenses & Permits	40,000	5,923	3,513	28,222	4,534	0	402	0	0	42,594	106.48%
03-5-06-54020	Meeting Related Expenses	1,000	859	114	268	561	146	551	162	139	2,800	279.97%
03-5-06-54021	Disaster Preparedness Training	0	172	0	250	0	0	0	0	0	422	
03-5-06-54024	Utilities - Waste Disposal	10,000	2,802	3,156	934	934	934	934	934	0	10,627	106.27%
03-5-06-54025	Utilities - Telephone	17,000	3,422	1,088	2,669	1,531	1,469	1,544	1,588	941	14,252	83.84%
03-5-06-54030	Drinking Water	1,000	301	70	49	35	63	119	70	56	763	76.30%
03-5-06-54104	Contractual Services	25,000	14,263	1,321	1,136	1,330	5,182	1,301	1,607	382	26,521	106.08%
03-5-06-54107	Legal	45,000	8,780	2,603	4,115	3,356	1,235	3,478	6,640	(3,136)	27,071	60.16%
03-5-06-54108	Audit & Accounting	14,000	9,350	1,216	253	0	0	0	0	0	10,818	77.27%
03-5-06-54109	Professional Fees	300,000	95,017	30,424	20,285	27,094	38,777	26,203	10,943	4,435	253,177	84.39%
03-5-06-55500	Depreciation Reserves	1,191,120	297,780	99,260	99,260	99,260	99,260	99,260	99,260	99,260	992,600	83.33%
03-5-06-56001	Insurance	115,000	27,606	9,202	9,202	9,202	9,202	9,202	9,202	9,202	92,020	80.02%
03-5-06-57030	Regulatory Compliance	65,000	61,593	0	0	0	0	0	0	0	61,593	94.76%
03-5-06-57050	Uncollectible Accounts	0	0	0	0	0	0	0	0	0	0	
03-5-06-57100	County Tax Collection Fees	250	49	0	0	0	0	0	0	0	49	19.60%
	ADMINISTRATION TOTALS	3,626,030	940,456	300,048	308,884	308,838	305,451	296,388	270,221	235,327	2,965,612	81.79%

FY 2011 - Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
03-5-07-50010	Labor-Environmental Control	217,740	50,040	17,101	17,562	23,267	15,131	14,792	14,951	14,362	167,206	76.79%
03-5-07-50011	Labor Credit	0	0	0	0	0	0	0	0	0	0	0
03-5-07-50013	Benefits-Fica	20,100	3,996	1,339	1,375	1,839	1,178	1,152	1,165	1,123	13,168	65.51%
03-5-07-50014	Benefits-Life Insurance	1,625	338	114	114	83	85	85	85	85	990	60.92%
03-5-07-50016	Benefits-HealthDefrd Comp	50,100	11,540	3,687	4,173	3,807	3,318	3,318	6,462	280	36,586	73.03%
03-5-07-50017	Benefits-Disability Insurance	4,025	840	283	288	341	257	253	254	248	2,764	68.66%
03-5-07-50019	Benefits-Workers Compensation	7,350	897	0	5,794	2,000	2,000	2,000	2,000	2,000	15,891	216.20%
03-5-07-50021	Benefits-PERS	15,200	3,110	1,074	1,095	1,407	870	884	870	10,180	10,180	66.97%
03-5-07-50022	Benefits-PERS Employer	26,500	5,662	1,953	1,988	2,558	1,581	1,606	1,581	1,581	18,511	69.85%
03-5-07-50023	Benefits-Uniforms	1,200	323	86	85	111	88	66	129	74	962	80.13%
03-5-07-50024	Benefits-Vacation & Sick Pay	0	0	0	0	0	0	0	0	0	0	0
03-5-07-50025	Benefits-Boot Allowance	600	0	0	150	0	0	0	150	0	300	50.00%
03-5-07-51003	R&M - Structures	300,000	53,362	17,586	8,281	4,507	29,780	50,300	29,781	3,746	197,342	65.78%
03-5-07-51140	General Supplies & Expenses	1,000	250	0	0	0	0	0	0	0	250	24.98%
03-5-07-51241	Lift Station #1	70,000	32,579	4,092	3,275	14,091	3,910	1,155	3,163	2,861	65,126	93.04%
03-5-07-51242	Lift Station #2	11,000	2,948	631	710	785	807	907	1,454	782	9,023	82.03%
03-5-07-51243	Lift Station #3	5,000	1,073	916	173	178	757	611	188	1,238	5,135	102.70%
03-5-07-51244	Lift Station #4	12,500	12,381	369	996	1,047	2,266	993	0	1,043	19,093	152.74%
03-5-07-51245	Lift Station #5	3,000	358	0	107	128	295	1,797	114	113	2,913	97.08%
03-5-07-51248	Lift Station #8	2,500	309	94	96	99	265	662	96	97	1,718	68.71%
03-5-07-54109	Professional Fees	35,000	9,243	4,200	5,981	0	6,801	1,623	3,786	0	31,433	89.81%
03-5-07-54110	Laboratory Services	2,500	0	0	0	0	771	303	0	0	1,074	42.96%
	ENVIRONMENTAL CONTROL TOTAL	786,940	189,249	53,525	52,242	56,247	69,959	81,707	66,229	30,504	599,662	76.20%
03-5-40-57002	Asset Acq. - Treatment											
03-5-40-57006	Asset Acq. - Administration			5,817	0	221	0	0	0	0	6,038	
03-5-40-57007	Asset Acq. - Environmental Control			0	0	0	0	0	0	0	0	
03-5-40-57009	Plant Support (03-13105 Sari Line)			0	0	0	0	0	0	0	0	0.00%
03-5-40-57202	Debt Service - Principal	1,863,070	1,863,069	0	0	0	0	0	0	0	1,863,069	100.00%
03-5-40-57403	Debt Service - Interest	1,060,600	1,060,600	0	0	0	0	0	0	0	1,060,600	100.00%
	Debt & Capital Outlay	2,943,380	2,923,669	5,817	0	221	0	0	0	0	2,929,707	99.54%
	TOTAL SEWER EXPENSES	10,394,500	4,855,534	615,354	596,933	682,050	629,299	587,549	623,007	473,585	9,063,312	87.19%

FY 2011 - Recycled Expenses

ACCOUNT#	Description	BUDGET	Qtr 1 Totals	Oct '10	Nov '10	Dec '10	Jan '11	Feb '11	Mar '11	April '11	Year to Date	Percentage YTD
04-5-06-50010	Labor-Recycled Water	81,500	17,877	6,208	6,208	10,863	6,208	6,208	37,580	0	91,151	111.84%
04-5-06-50012	Director Fees	0	0	0	0	0	0	0	0	0	0	0
04-5-06-50013	Benefits-FICA	5,975	1,599	551	551	949	554	554	2,844	0	7,602	127.22%
04-5-06-50014	Benefits-Life Insurance	335	85	28	28	28	28	28	30	(30)	226	67.43%
04-5-06-50016	Benefits-Health & Def Comp	17,145	4,622	1,570	1,570	1,996	1,606	1,606	675	58	13,704	79.93%
04-5-06-50017	Benefits-Disability Insurance	1,030	316	108	108	144	116	116	475	(29)	1,354	131.46%
04-5-06-50019	Benefits-Workers Compensation	2,240	247	0	1,000	500	500	5	500	0	2,752	122.86%
04-5-06-50021	Benefits-PERS Employee	5,265	1,258	435	435	652	435	435	130	0	3,778	71.76%
04-5-06-50022	Benefits-PERS Employer	9,180	2,290	790	790	1,185	790	790	237	0	6,872	74.86%
04-5-06-50023	Benefits-Uniforms	280	0	0	0	0	0	0	0	0	0	0.00%
04-5-06-50024	Benefits-Vacation & Sick Pay	1,400	543	155	155	233	155	155	0	0	1,397	99.77%
04-5-06-50025	Benefits-Boots	150	0	0	0	0	0	0	0	0	0	0.00%
04-5-06-51003	R & M-Structures	8,500	400	1,048	38,978	(15,591)	0	0	0	46	24,880	292.71%
04-5-06-51020	R & M-Pipelines	0	46	0	0	0	0	0	0	98	143	
04-5-06-51021	R & M-Service Lines	0	0	0	0	0	0	0	0	0	0	0
04-5-06-51022	R & M-Fire Hydrants	1,000	(14)	0	0	0	0	0	0	0	(14)	-1.35%
04-5-06-51030	R & M-Meters	250	0	0	0	0	0	0	0	0	0	0.00%
04-5-06-51140	General Supplies & Expenses	150	57	0	0	0	0	0	0	0	57	38.04%
04-5-06-51316	Imported Water Purchases	140,000	72,241	11,505	8,992	5,076	6,509	0	6,409	8,531	119,262	85.19%
04-5-06-54002	Dues & Subscriptions	1,500	0	0	0	0	733	0	0	3,041	3,774	251.59%
04-5-06-54005	Computer Expense	2,000	1,167	0	0	0	0	0	0	0	1,167	58.33%
04-5-06-54011	Printing & Publications	75	0	0	0	0	0	0	0	0	0	0.00%
04-5-06-54012	Education & Training	2,500	108	0	0	0	0	0	0	0	108	4.33%
04-5-06-54014	Public Relations	2,000	2,058	184	0	482	0	269	326	0	3,319	165.94%
04-5-06-54016	Travel Related Expenses	1,500	0	0	0	0	0	0	0	95	95	6.33%
04-5-06-54019	Licenses & Permits	0	0	0	0	0	1,984	0	0	0	1,984	
04-5-06-54020	Meeting Related Expenses	0	325	0	0	16	62	137	0	0	540	
04-5-06-54025	Telephone	600	166	55	58	55	52	55	55	0	496	82.66%
04-5-06-54010	Contractual Services	2,400	0	25	0	1,605	0	0	0	0	1,630	67.91%
04-5-06-54107	Legal	0	23,514	5,938	4,908	11,881	27,046	1,150	3,927	0	78,363	
04-5-06-54109	Professional Fees	10,000	0	0	0	0	0	0	0	0	0	0.00%
04-5-06-54110	Laboratory Services	0	0	0	0	0	30	0	0	0	30	
04-5-06-55500	Depreciation	114,300	28,575	9,525	9,525	9,525	9,525	9,525	9,525	9,525	95,250	83.33%
04-5-06-57030	Regulatory Compliance	0	0	0	0	0	0	0	0	0	0	0
04-5-06-57040	Environmental Compliance	0	0	0	0	0	0	0	0	0	0	0
04-5-06-57099	Prior Year Exp (YVA)	0	0	0	0	0	0	0	259,575	7,090	266,665	
	TOTAL RECYCLED EXPENSES	411,275	157,479	37,077	35,375	82,561	42,347	21,034	322,289	28,423	726,584	176.67%



Date: May 18, 2011

Job: Not Applicable

Prepared By: Peggy Little, Administration Supervisor

G/L: 02-11103

Subject: Declaration and Identification of Bad Debts for 2009

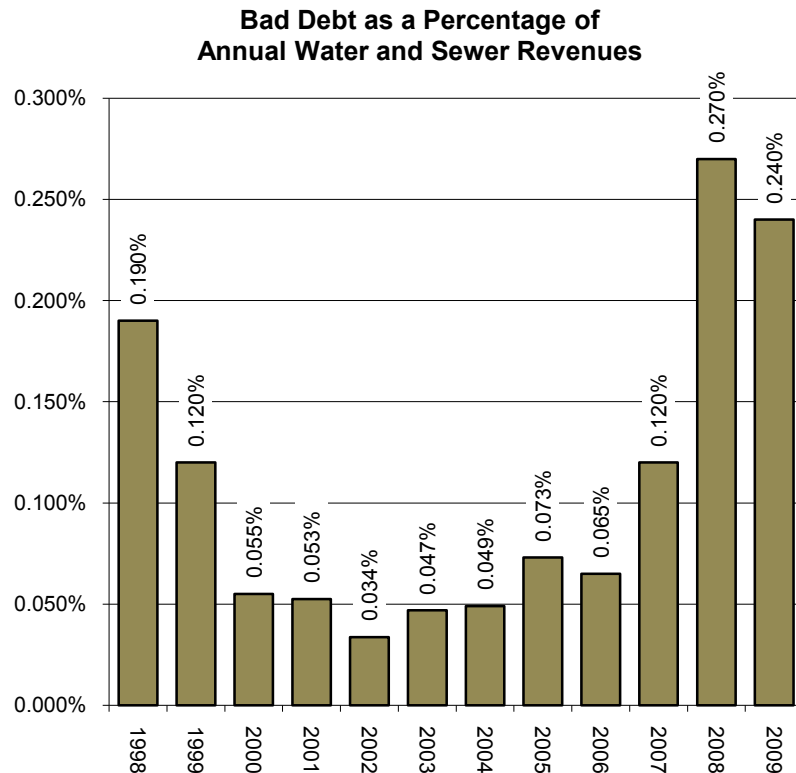
Recommendation: That the Board authorizes the District staff to recognize bad debts in the amount of \$39,604.20 for calendar year 2009.

The District actively pursues delinquent accounts, and in most cases is able to collect delinquent fees through a combination of shutting off the services provided, sending accounts to a collection agency, placing a lien on the property involved, and/or pursuing the claims through legal actions such as small claims court. In some cases, the District is unable to collect the money owed the District. Included in this amount of \$39,604.20 are five uncollectible miscellaneous invoices that total \$10,969.54. These five uncollectible invoices were a result of accidents that broke or damaged fire hydrants. During the calendar year 2009, we continued to experience many foreclosures. The amount of foreclosures is \$18,870.92 which includes \$3,070.98 sewer only customers and \$15,799.94 water/sewer customers. This leaves account balances of \$9,763.74 that was not collected in the normal process.

As a proper accounting procedure, this bad debt must be accounted for on our financial statements; otherwise the debt remains as a liability on the District's annual audit.

District staff has compiled the list of uncollectible accounts for calendar year 2009, which amounts to \$39,604.20. Of this total, 48% of the bad debts are due to home foreclosures, and this trend is also expected to continue for calendar year 2010.

Overall, the total amount of bad debt represents a loss of 0.24% for calendar year 2009 based on total water and sewer revenues.





Date: May 18, 2011 **Job:** P-04-226

Prepared By: Brent Anton, Engineering Project Integrator **G/L:** 04-14500

Subject: Notice of Completion for the Installation of a 12-Inch Recycled Water Pipeline in 7th Street from Yucaipa Boulevard to Chapman Heights Road

Recommendation: That the Board authorizes District staff to record a Notice of Completion and release the retention amount of \$3,465.00 thirty-five days after the recorded date.

At the Board of Directors meeting on April 6, 2011, a contract was awarded to TBU for the installation of a 12-inch Recycled Water Pipeline in 7th Street from Yucaipa Boulevard to Chapman Heights Road for a sum not to exceed \$34,655.00 [DM 11-029].

District staff did not incur any construction cost increases during the implementation of this project. Therefore no change orders were processed.

Staff recommends the Board authorize the filing of the Notice of Completion and release of the retention amount of \$3,465.00 thirty-five days after the recorded date.





[Handwritten initials]

RECEIVED
APR 28 2011

YUCAIPA VALLEY
WATER DISTRICT

TBU, INC.
240 MAPLE AVENUE, SUITE "A"
BEAUMONT, CA 92223

(951) 769-0647 FAX: (951) 769-7137
License # 781050

Bill To:

Yucaipa Valley Water Co.
PO Box 730
Yucaipa, CA 92399-0730
(909) 797-5117

Architect:

1112 12" Recycled Water Pipeline
7th St from Yucaipa Blvd to Chapman, Water, Yucaipa

Project Information:

Invoice

Invoice No: 42474 Date: 04/27/2011

RETENTION BILLING
Payment Period: 04/01/2011 to 04/30/2011

Contractor's Application for Payment:

Original Contract Amount	\$34,655.00
Total Amount of Change Orders	\$0.00
Revised Contract Amount	\$34,655.00
Total Completed To Date	\$34,655.00
Less Retention	0.00
Less Previous Billings	\$31,189.50
Amount Due This Billing	\$3,465.50

BF 5-2-11

MATH CHECKED BY RC DATE 4/29/11
 REVIEWED BY [Signature] DATE 4/29/11
 REVIEWED BY [Signature] DATE 4/29/11
 CMMS# 0116722

Project: 1112 12" Recycled Water Pipeline
RETENTION BILLING

TBU, INC.
Invoice: 42474 04/27/2011

A Item	B Description of Work	C Scheduled Value	D Completed from Prev Apps	E Completed This Period	F Materials Stored	G Total Completed and Stored	H Balance To Finish	I Retainage
1	Item No. 101 Furnish project insurance & project bond	2,500.00	2,500.00	0.00	0.00	2,500.00	0.00	0.00
2	Item No. 102 Mobilization & demobilization	5,000.00	5,000.00	0.00	0.00	5,000.00	0.00	0.00
3	Item No. 103 State required line item for Sections 6705 & 6707, excavation safety measures	1,060.00	1,060.00	0.00	0.00	1,060.00	0.00	0.00
4	Item No. 104 Furnish & install export of native materials, import & backfill, backfill & compaction, testing of pipeline, related work	17,600.00	17,600.00	0.00	0.00	17,600.00	0.00	0.00
5	Item No. 105 Remove existing recycled fire hydrant, tee & valve, and salvage back to YVWD (Station 0+00+)	1,295.00	1,295.00	0.00	0.00	1,295.00	0.00	0.00
6	Item No. 106 Furnish & install 12" MxMJ barrel at tie in location (Station 0+00+)	500.00	500.00	0.00	0.00	500.00	0.00	0.00
7	Item No. 107 Furnish & install 1" combination air & vacuum valve assembly per YVWD Standard Drawing W-15 (purple)	3,500.00	3,500.00	0.00	0.00	3,500.00	0.00	0.00
8	Item No. 108 Install owner furnished 12" D.I.P. flanged tee with 12" gate valve, 12"x6" reducer, 6" gate valve, & MxFLG adaptors	3,200.00	3,200.00	0.00	0.00	3,200.00	0.00	0.00
Totals:		34,655.00	34,655.00	0.00	0.00	34,655.00	0.00	0.00

CONDITIONAL WAIVER AND RELEASE UPON FINAL PAYMENT

[California Civil Code §3262(d)(3)]

Upon receipt by the undersigned of a check from Yucaipa Valley Water Co.
(Maker of Check)
 in the sum of \$ 3,465.50
(Amount of Check)
 payable to TBU, INC
(Payee or Payees of Check)

and when the check has been properly endorsed and has been paid by the bank upon which it is drawn, this document shall become effective to release any mechanic's lien, stop notice, or bond right the undersigned has on the job of Yucaipa Valley Water Co.
(Owner)
 located at 7th st from Yucaipa Blvd to Chapman, Yucaipa
(Job Description)

This release covers the final payment to the undersigned for all labor, services, equipment or material furnished on the job, except for disputed claims for additional work in the amount of \$ 0.

Before any recipient of this document relies on it, the party should verify evidence of payment to the undersigned.

Dated: 4.27.11
TBU, INC
(Company Name)
 By: Heslie Suga O-Office Mgr.
(Title)

NOTE: CIVIL CODE SECTION 3262(d)(3) PROVIDES: *Where the claimant is required to execute a waiver and release in exchange for, or in order to induce the payment of, a final payment and the claimant is not, in fact, paid in exchange for the waiver and release or a single payee check or joint payee check is given in exchange for the waiver and release, the waiver and release shall follow substantially the form set forth above.*

USE REVERSE SIDE AS RELEASE FOR INDIVIDUALS PERFORMING LABOR FOR WAGES
 (for a unconditional waiver and release upon final payment use Wolcotts Form 32624 or 32624D)



WOLCOTTS FORM 32623-CONDITIONAL WAIVER AND RELEASE UPON FINAL PAYMENT - REV. 3-94
 (price class 6-2P)

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Date: May 18, 2011 **Job:** Not Applicable

Prepared By: Joseph Zoba, General Manager **G/L:** Not Applicable

Subject: Ratification of Agreement Modification No. 004 to the Cooperative Funding Agreement with the United States Department of the Interior, Bureau of Reclamation Related to the Yucaipa Valley Regional Brineline Project

Recommendation: That the Board ratifies the execution of Modification No. 004 to the Cooperative Agreement No. R10AC35R03 with the Bureau of Reclamation.

In March 2010, the District received a funding grant in the amount of \$2.137 million from the Bureau of Reclamation for Phases 1 and 2 of the Yucaipa Valley Regional Brineline Project [Director Memorandum No. 10-021]. This federal grant is in addition to the grant funding received from Proposition 50 for all three phases of the project (phases 1, 2 and 3).

On September 8, 2010, the Yucaipa Valley Water District received notification from the Department of the Interior, Bureau of Reclamation of an additional \$2 million grant from the American Recovery and Reinvestment Act for Phase 3 of the Yucaipa Valley Regional Brineline. This additional funding was documented as Modification No. 001 to the Agreement with the Bureau of Reclamation.

Since this time, the District has received additional modification requests to the grant Agreement to provide for administrative costs for the Bureau of Reclamation. Modification No. 002 was unilaterally executed by the Bureau of Reclamation on September 21, 2010 and Modification No. 003 was approved by the Board on March 2, 2011.

The District has now received Modification No. 004 in the amount of \$30,000.

In order to maintain proper documentation for this project and financial audits, the District staff recommends that the Board ratifies Agreement Modification No. 004.

Summary of Administrative Funds for the U.S. Bureau of Reclamation

Original U.S. Bureau of Reclamation Grant	\$ 2,137,000
Second U.S. Bureau of Reclamation Grant – Modification No. 1	\$ 2,000,000
• Administrative Fund Obligation – Modification No. 2	\$ 75,000
• Administrative Fund Deobligation – Modification No. 3	(\$ 16,000)
• Administrative Fund Deobligation – Modification No. 4	(\$ 30,000)



United States Department of the Interior



BUREAU OF RECLAMATION
Southern California Area Office
27708 Jefferson Ave., Suite 202
Temecula, CA 92590-2628

IN REPLY REFER TO:
SCAO-2000
ADM-13.00

RECEIVED

MAY 05 2011

YUCAIPA VALLEY
WATER DISTRICT

MAY 04 2011

Mr. Joseph B. Zoba
General Manager
Yucaipa Valley Water District
12770 Second Street
Yucaipa, CA 92399

Subject: Modification No. 004, Cooperative Agreement No. R10AC35R03, Yucaipa Valley
Regional Brine Line Project, Phases I, II and III

Dear Mr. Zoba:

Enclosed for your files is an executed duplicate original of Modification No. 004 that deobligates \$30,000 of the administrative funds that were obligated to the agreement by Modification No. 002. A total of \$4,166,000 is now available for work performed under the agreement, including \$29,000 of administrative funds.

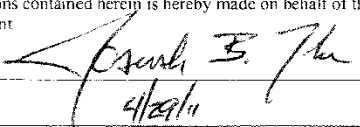
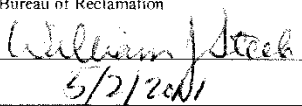
If you have any questions, please contact me at 951-695-5310.

Sincerely,

Dennis D. Wolfe
Area Engineer

Enclosure

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
ASSISTANCE AGREEMENT

1A. AGREEMENT NUMBER R10AC35R03		1B. MOD NUMBER 004		2. TYPE OF AGREEMENT <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT		3. CLASS OF RECIPIENT Special District Government	
4. ISSUING OFFICE (NAME, ADDRESS): SCAO-2000 Southern California Area Office Bureau of Reclamation 27708 Jefferson Avenue, Suite 202 Temecula, CA 92590				5. RECIPIENT (NAME, ADDRESS, TELEPHONE) Yucaipa Valley Water District 12770 Second Street Yucaipa, CA 92399 909-797-5117			
				EIN #: 95-2742131		County: San Bernardino	
6. ADMINISTRATIVE POINT OF CONTACT (NAME, ADDRESS, TELEPHONE, E-MAIL) Dennis D. Wolfe, SCAO-2000 Bureau of Reclamation 27708 Jefferson Avenue, Suite 202 Temecula, CA 92590 Phone: 951-695-5310, E-mail: dwolfe@usbr.gov				7. RECIPIENT PROJECT MANAGER (NAME, ADDRESS, TELEPHONE, E-MAIL) Brent Anton Yucaipa Valley Water District 12770 Second Street Yucaipa, CA 92399 Phone: 909-797-5118, E-mail: banton@yvwd.dst.ca.us			
8. GRANTS OFFICER TECHNICAL REPRESENTATIVE (NAME, ADDRESS, TELEPHONE, E-MAIL): Dennis D. Wolfe, SCAO-2000 Bureau of Reclamation 27708 Jefferson Avenue, Suite 202 Temecula, CA 92590 Phone: 951-695-5310, E-mail: dwolfe@usbr.gov				9A. INITIAL AGREEMENT EFFECTIVE DATE: March 29, 2010		9B. MODIFICATION EFFECTIVE DATE: See Block 17A	
				10. COMPLETION DATE August 31, 2012			
11. PROGRAM STATUTORY AUTHORITY Section 1655 Title XVI of Pub. L. 102-575, as amended						CFDA 15.504	
12. FUNDING INFORMATION		RECIPIENT/OTHER		RECLAMATION		13. REQUISITION NUMBER 11350100056	
Total Estimated Amount of Agreement		\$17,314,251		\$4,286,785		14A. ACCOUNTING AND APPROPRIATION DATA Cost Authority: 121-2009-6000-195-00-0-0 Cost Center: 3501000 Object Code: 411C	
This Obligation		\$30,000		(\$30,000)			
Previous Obligation		\$17,405,036		\$4,196,000			
Total Obligation		\$17,435,036		\$4,166,000		14B. TREASURY ACCOUNT FUNDING SYMBOL 14-0681	
Cost-Share %		75%		25%			
15. PROJECT TITLE AND BRIEF SUMMARY OF PURPOSE AND OBJECTIVES OF PROJECT The agreement titled Yucaipa Valley Regional Brineline Project, Phases I, II, and III is modified as follows: 1. This is a funding change as shown in Block 12. 2. In the third paragraph of Section I.4, the amount of funds that Reclamation has available for this agreement is changed to \$4,166,000.							
16a. Acceptance of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the above-named Recipient BY:  DATE: 4/29/11				17a. Award of this Assistance Agreement in accordance with the terms and conditions contained herein is hereby made on behalf of the United States of America. Bureau of Reclamation BY:  DATE: 5/2/2011			
16b. NAME, TITLE, AND TELEPHONE NUMBER OF SIGNER Joseph B. Zoba General Manager 909-797-5117 <input type="checkbox"/> Additional signatures are attached				17b. NAME OF GRANTS OFFICER William J. Steele Grants Officer			



Date: May 18, 2011 **Job:** Not Applicable

Prepared By: Joseph Zoba, General Manager **G/L:** Not Applicable

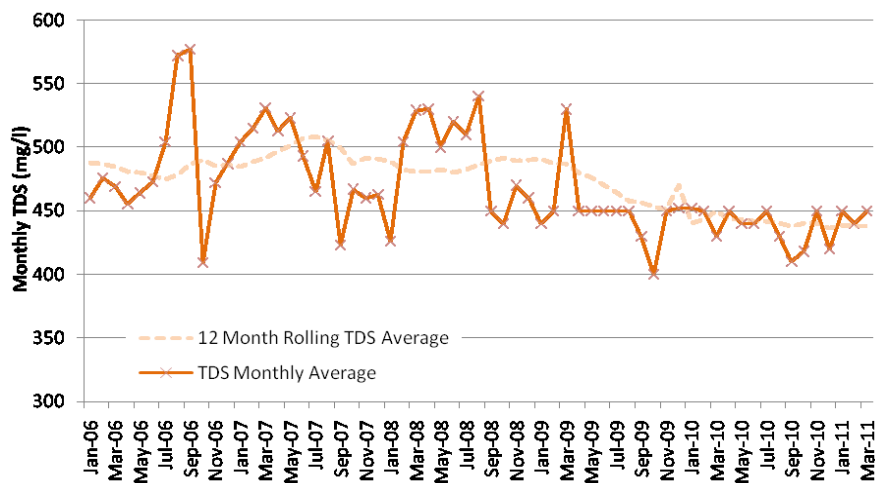
Subject: Authorization to Distribute a Notification of Rate Adjustment Pursuant to Proposition 218

Recommendation: That the Board authorizes the distribution of a rate adjustment notice and directs District staff to set a time and date for the public hearing pursuant to Proposition 218.

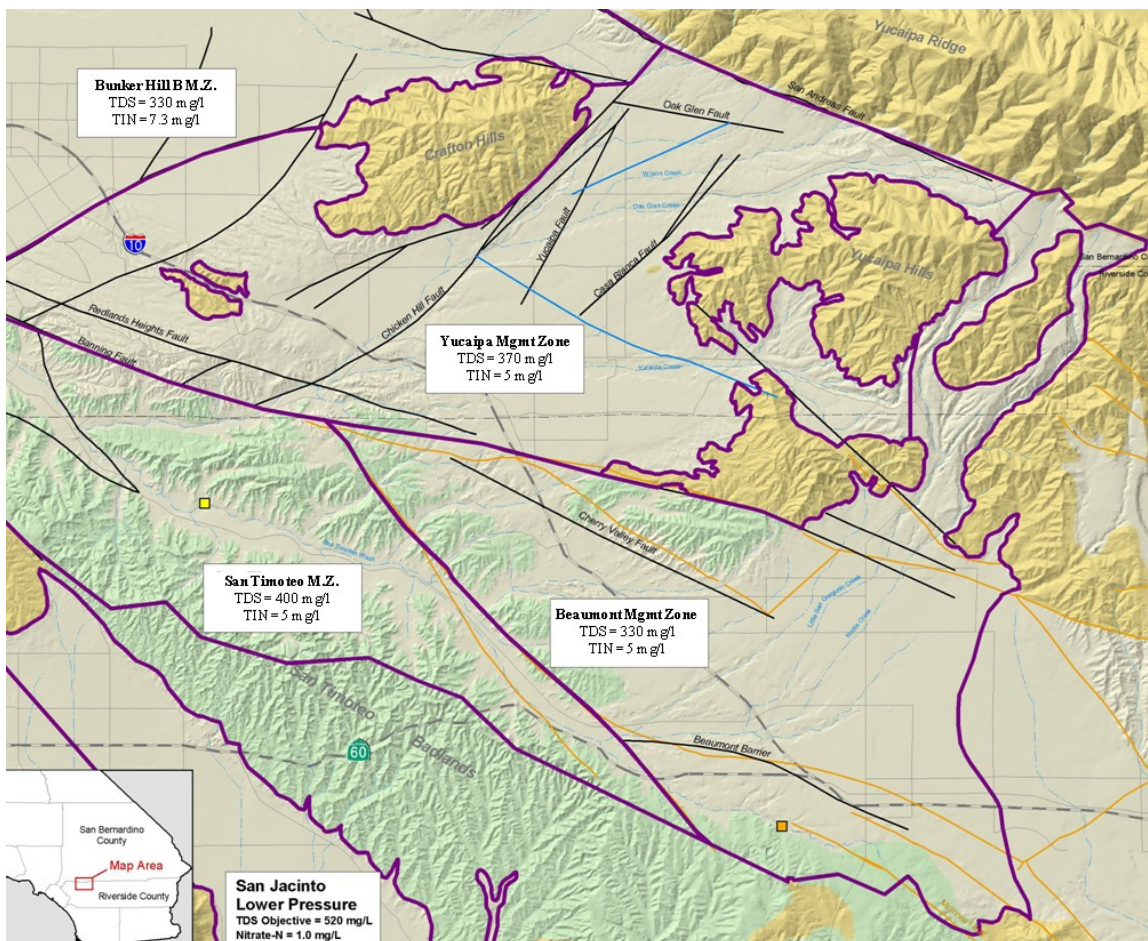
Federal law requires states to establish water quality standards for all water bodies within the state’s jurisdiction. A water quality standard is comprised of three parts: 1) the beneficial uses that apply to the water body; 2) the water quality criteria needed to protect those uses; and 3) an antidegradation policy to protect water quality that is already better than the applicable criteria. The Porter-Cologne Water Quality Control Act (Division 7, “Water Quality”, of the California Water Code) establishes similar requirements in state law.

In California, Regional Water Quality Control Boards enact water quality standards through a formal basin planning process that sets groundwater quality objectives. Each Regional Board publishes a Basin Plan that identifies individual water bodies within its jurisdiction, designates the beneficial uses that apply to each water body and specifies the water quality criteria (or objectives) for those water bodies. Although the federal Clean Water Act applies only to surface waters, the Porter-Cologne Act applies to both the ground and surface waters of California.

Of particular concern to the Yucaipa Valley Water District are the limitations set for total dissolved solids or salt constituents in the recycled water supply. Below is a diagram of the recycled water total dissolved solids concentration from the Wochholz Regional Water Recycling Facility.



The current monthly value of total dissolved solids in the recycled water supply is 450 mg/l with a twelve month average of 437 mg/l. To utilize the recycled water in the upper portion of the Santa Ana Watershed, the quality of the recycled water needs to meet an average quality of 330 mg/l for the Beaumont Management Zone; 370 mg/l for the Yucaipa Management Zone; or 400 mg/l for the San Timoteo Management Zone. In all cases, the amount of salt, or total dissolved solids of the recycled water, is more than the water quality objective set by the Regional Water Quality Control Board. These water quality objectives not only constrain the District from utilizing our recycled water without additional water treatment, they also require the District implement reverse osmosis treatment prior to discharging wastewater effluent into San Timoteo Creek.



While these stringent objectives will result in additional costs for the District and our customers, these standards are actually relaxed based on a demonstration that less restrictive water quality objectives provide a benefit to the people of California. The most protective water quality objectives are established as the “antidegradation” values and will be triggered if certain commitments are not fully achieved.

Total Dissolved Solids (Salinity Objectives) Impacting Yucaipa Valley Water District		
Groundwater Management Zone	Maximum Benefit Objective	Antidegradation Objective
San Timoteo	400 mg/l	300 mg/l
Yucaipa	370 mg/l	320 mg/l
Beaumont	330 mg/l	230 mg/l

The commitments made by the District in order to maintain the Maximum Benefit Objectives include the following provisions as contained within our waste discharge permit adopted on February 2, 2007 by the Regional Water Quality Control Board.

Description of Commitment	Compliance Date – as soon as possible, but no later than
<p>1. Surface Water Monitoring Program</p> <ul style="list-style-type: none"> a. Submit Draft Monitoring Program to Regional Board b. Implement Monitoring Program c. Quarterly data report submittal d. Annual data report submittal 	<ul style="list-style-type: none"> a. January 23, 2005 b. Within 30 days from Regional Board approval of monitoring plan c. April 15, July 15, October 15, January 15 d. February 15th
<p>2. Groundwater Monitoring Program</p> <ul style="list-style-type: none"> a. Submit Draft Monitoring Program to Regional Board b. Implement Monitoring Program c. Annual data report submittal 	<ul style="list-style-type: none"> a. January 23, 2005 b. Within 30 days from Regional Board approval of monitoring plan c. February 15th
<p>3. Desalter(s) and Brine Disposal Facilities</p> <ul style="list-style-type: none"> a. Submit plan and schedule for construction of desalter(s) and brine disposal facilities. Facilities are to operational as soon as possible but no later than 7 years from date of Regional Board approval of plan/schedule. b. Implement the plan and schedule 	<ul style="list-style-type: none"> a. Within 6 months of either of the following: <ul style="list-style-type: none"> i. When YVWD's effluent 5-year running average TDS exceeds 530 mg/L; and/or ii. When volume weighted average concentration in the Yucaipa MZ of TDS exceeds 360 mg/L b. Within 30 days from Regional Board approval of plan
<p>4. Non-potable water supply</p> <p>Implement non-potable water supply system to serve water for irrigation purposes. The non-potable supply shall comply with a 10-year running average TDS concentration of 370 mg/L or less</p>	<p>December 23, 2014</p>
<p>5. Recycled water recharge</p> <p>The recharge of recycled water in the Yucaipa or San Timoteo Management Zones shall be limited to the amount that can be blended with other recharge sources to achieve a 5-year running average equal to or less than the "maximum benefit" objectives for TDS and nitrate-nitrogen for the relevant</p>	<p>Compliance must be achieved by end of 5th year after initiation of recycled water use/recharge operations.</p>

Description of Commitment	Compliance Date – as soon as possible, but no later than
<p>Management Zone(s).</p> <ul style="list-style-type: none"> a. Submit baseline report of amount, locations, and TDS and nitrogen quality of stormwater/imported water recharge. b. Submit documentation of amount, TDS and nitrogen quality of all sources of recharge and recharge locations. For stormwater recharge used for blending, submit documentation that the recharge is the result of YVWD enhanced recharge facilities/programs 	<ul style="list-style-type: none"> a. Prior to initiation of construction of basins/other facilities to support enhanced stormwater/imported water recharge. b. Annually, by January 15th, after initiation construction of facilities/implementation of programs to support enhanced recharge.
6. Ambient groundwater quality determination	July 1, 2005 and every 3 years thereafter
7. Replace denitrification facilities (necessary to comply with TIN wasteload allocation specified in Table 5-5)	New facilities shall be operational no later than December 23, 2007
<p>8. YVWD recycled water quality improvement plan and schedule</p> <ul style="list-style-type: none"> a. Submit plan and schedule b. Implement plan and schedule 	<ul style="list-style-type: none"> a. 60 days after the TDS 12-month running average effluent quality equals or exceeds 530 mg/L for 3 consecutive months and/or the 12-month running average TIN concentration equals or exceeds 6 mg/L in any month (once replacement denitrification facilities are in place) b. Upon approval by Regional Board
<p>9. Remove/reduce the discharge of YVWD effluent from the unlined portion of San Timoteo Creek</p> <ul style="list-style-type: none"> a. Submit proposed plan/schedule b. Implement plan/schedule 	<ul style="list-style-type: none"> a. June 23, 2005 b. Upon Regional Board approval
<p>10. Construct the Western Regional Interceptor for Dunlap Acres</p> <ul style="list-style-type: none"> a. Submit proposed construction plan and schedule. The schedule shall assure the completion of construction as soon as possible but no later than January 1, 2010. b. Implement plan and schedule 	<ul style="list-style-type: none"> a. June 23, 2005 b. Upon Regional Board approval

The District continues to meet our commitments, however in November 2010, the District learned of the lack of assimilative capacity in the San Timoteo Management Zone which now requires the immediate implementation of reduced total dissolved solids to a five-year average of 400 mg/l in order not to trigger the even more restrictive and costly antidegradation objectives.

Solutions and Salinity Management

The Yucaipa Valley Water District has been extremely proactive in finding a solution to this problem that will provide our customers with a reasonable balance between value, certainty, and risk. To help and assist the District, we have received grant funds from California Proposition 13, California Proposition 50, the United States Environmental Protection Agency and the United States Bureau of Reclamation. These funding sources have been matched with District funds to the maximum extent possible. However, there remains a portion of the funding that will need to be completed with the adjustment of water and sewer rates to our customers.

The District staff recognizes the difficult economic times that face our customers and are extremely sensitive to proposing any rate adjustment at this time. However, without the additional funding, it is likely that the District will risk losing millions of dollars in federal and state grant funds received for these important projects. Even with the loss of outside funding, the District will still be required to meet the stringent water quality objectives set by the Regional Water Quality Control Board.

Additionally, the District staff is proposing rate adjustments directly related to the construction of infrastructure and operation of the proposed improvements. Rates adjustments are not being proposed for salary increases, benefits, or other administrative related expenses.

The District staff has produced a draft document that will be reviewed and sent to District customers upon approval by the Board of Directors.



Yucaipa Valley Water District

12770 Second Street, Yucaipa, California 92399

This notice explains the proposed water and sewer rate increase for customers receiving drinking water service or sewer service from the Yucaipa Valley Water District. The proposed water and sewer rate adjustments will be presented to the Board of Directors at a Public Hearing on July 20, 2011 at 6:00 p.m. The revenue generated from this water and sewer rate adjustment will be used to construct pipelines, a reservoir, booster stations, a salt disposal brineline and reverse osmosis equipment at the Wochholz Regional Water Recycling Facility in order to meet the water quality objectives set by the Regional Water Quality Control Board.

How would the water and sewer rates change?

The Yucaipa Valley Water District is proposing a \$1.00 increase to the monthly water service charge and a \$1.00 increase to the monthly sewer charge effective September 1, 2011. The fixed monthly water and sewer charges would increase by \$1.00 again on July 1, 2012, July 1, 2013, and July 1, 2014.

For residential customers receiving water and sewer service from the District, the proposed rate adjustment would result in an additional charge of \$2.00 per month each time the rate adjustment is implemented.

BACKGROUND INFORMATION

In California, Regional Water Quality Control Boards enact water quality regulations that are designed to protect water quality throughout the state. With limited natural water recharge of our groundwater basins, the Yucaipa Valley Water District is particularly impacted by water quality regulations set for total dissolved solids (commonly known as salts or minerals) in recycled water produced from the wastewater treatment plant.

Total dissolved solids represent the combined content of all inorganic and organic molecules in a liquid. For fresh water samples, total dissolved solids are generally represented by the residual that remains after fresh water is evaporated. High levels of total dissolved solids generally indicate hard water which can cause scale buildup in pipes, faucets and fixtures.

Notice of Public Hearing

Please take notice that the Yucaipa Valley Water District will conduct a public hearing on:

**Wednesday,
July 20, 2011 at 6:00 p.m.**

**Yucaipa Valley Water District
12770 Second Street
Yucaipa, California 92399**

The public hearing will be conducted to consider proposed adjustments to the District's water and sewer rates. The date and time of the public hearing is set not less than 45 days after the mailing of this notice of the proposed rate adjustments to the record owners who currently receive water and/or sewer service from the Yucaipa Valley Water District.

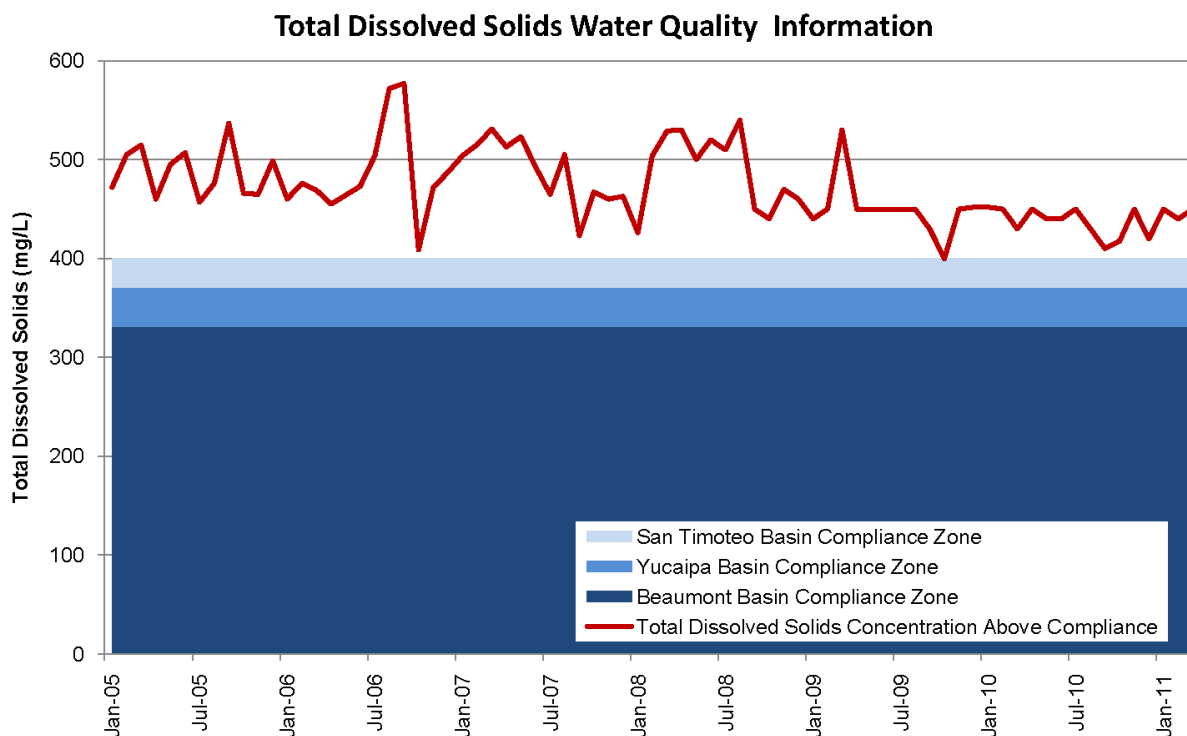
The Yucaipa Valley Water District Board of Directors shall consider all protests against the proposed rates; however, state law (Article XIII D, Section 6 of the State Constitution) provides that only written protests of property owners shall be counted to determine whether a majority protest to the proposed increases exists.

This notice provides a description on how to file a protest against the proposed water and sewer rate adjustments. This information is provided on the last page of this newsletter.

The Yucaipa Valley Water District is also conducting tours of our water and sewer facilities to provide an opportunity for our customers to learn more about our advanced water and sewer filtration technology necessary to meet stringent water quality standards.

For more information, please contact the District offices at (909) 797-5117 to learn more about the proposed rate adjustment or visit our website at www.yvwd.dst.ca.us.

The Yucaipa Valley Water District has taken steps to reduce and stabilize the amount of salt (total dissolved solids) in our water supplies, but as shown in the diagram below, the amount of salt (total dissolved solids) remains above the water quality objectives set by the Regional Water Quality Control Board.



While the stringent water quality regulations have been designed to protect groundwater quality, these regulations will require the Yucaipa Valley Water District to be the first in the Inland Empire to add a molecular filtration process (reverse osmosis) to the wastewater treatment plant. The waste product from this new process will be transported by a separate pipeline to Orange County Sanitation District for treatment and disposal.

While these stringent objectives will certainly result in additional costs, these water quality standards have been relaxed based on water quality commitments made and fulfilled by the Yucaipa Valley Water District to the Regional Water Quality Control Board. If the District does not construct the proposed facilities necessary to reduce the amount of total dissolved solids set by the Regional Water Quality Control Board, the total dissolved solids limit will be lowered further which will result in additional costs for treatment.

SOLUTIONS AND SALINITY MANAGEMENT

The Yucaipa Valley Water District has been evaluating and implementing a series of practical solutions to solve this water quality issue. As a result of these improvements, a number of our customers have been able to eliminate the expense of water softeners since the drinking water provided contains fewer naturally occurring minerals. This change should also extend the life of several appliances like dishwashers, washing machines and hot water heaters.

Recognizing the unique geographical location of the Yucaipa Valley and the severity of the water quality regulations, the Yucaipa Valley Water District has been able to secure grant funding from several state and federal sources. As part of the solution to this issue, the Yucaipa Valley Water District has secured funding from the following state and federal sources:

- State of California, Proposition 13 \$6.0 million
- State of California, Proposition 50..... \$3.9 million
- United States Department of the Interior, Bureau of Reclamation \$4.2 million
- United States Environmental Protection Agency \$7.8 million

Over the past several years, these grant funding sources have been applied to projects and matched with District funds to the maximum extent possible. However, a low-interest loan provided by the State Water Resources Control Board for part of this project requires a debt coverage ratio of 110% which is the primary reason for the proposed change in rates. This rate notification has been reviewed by representatives from the State Water Resources Control Board in order that the low-interest loan can be finalized for these projects.

The District staff recognizes the difficult economic times that face our customers and are extremely sensitive to proposing any rate adjustment at this time. However, without the additional funding, it is likely that the Yucaipa Valley Water District will risk losing millions of dollars in federal and state grant funds and be required to meet even more rigorous water quality regulations by the Regional Water Quality Control Board.

SUMMARY OF RATE ADJUSTMENTS

The proposed adjustments to the monthly water and recycled water service charge per Equivalent Dwelling Unit or Single Family Home are described below:

Current Monthly Water Charge	Effective September 1, 2011	Effective July 1, 2012	Effective July 1, 2013	Effective July 1, 2014
\$ 10.00	\$ 11.00	\$ 12.00	\$ 13.00	\$ 14.00

The proposed adjustments to the monthly sewer service charge per Equivalent Dwelling Unit or Single Family Home are described below:

Current Monthly Sewer Charge	Effective September 1, 2011	Effective July 1, 2012	Effective July 1, 2013	Effective July 1, 2014
\$ 38.43	\$ 39.43	\$ 40.43	\$ 41.43	\$ 42.43

PUBLIC HEARING

A public hearing to consider the rate adjustments will be held at a regular meeting of the Yucaipa Valley Water District Board of Directors on July 20, 2011 at 6:00 p.m. at the District office located at 12770 Second Street, Yucaipa, California.

WRITTEN PROTEST PROCEDURE

A property owner may file written protest to the proposed increases in one of the following ways:

1. Through the United States mail.
2. By deposit in the utility drop box at the Yucaipa Valley Water District office.
3. By hand delivery to the Yucaipa Valley Water District during normal business hours.
4. By hand delivery to the Yucaipa Valley Water District at the date and time of the public hearing on July 20, 2011 at 6:00 p.m.

Written protests must be received by the Yucaipa Valley Water District no later than Wednesday, July 20, 2011 by the conclusion of the public hearing. Address written protests as follows:

Yucaipa Valley Water District
12770 Second Street, Yucaipa CA 92399
Post Office Box 730
Yucaipa, California 92399

Each written protest must include the parcel owner's name, service address, a description of the property (address or assessor's parcel number) sufficient to identify the property, and the parcel owner's signature. No more than one protest per parcel may be submitted.

A majority protest exists only in the event that a majority of owners of the identified parcels submit written protests against the proposed rates to the Yucaipa Valley Water District. Written protests shall be part of the public record as defined in Section 6252 of the Government Code. If the count of written protests from property owners shows that a majority protest is received, the proposed rate changes shall not be implemented. If a majority protest fails, the Board of Directors shall consider adoption of the proposed rate adjustment.



Important Rate Information Enclosed

The Yucaipa Valley Water District is dedicated to keeping our customers informed and educated about our investment in infrastructure, regional water issues, and the management of our natural water resources. To enhance the information routinely provided at our board meetings and workshops, we also offer special tours to our customers and groups in the region.

Please join us on a tour of the drinking water filtration facility and sewer treatment plant to learn more about the issues and solutions implemented by the Yucaipa Valley Water District to protect our limited natural water resources.

If you are interested in participating in one of our tours, please contact Jennifer Ares at (909) 790-3301



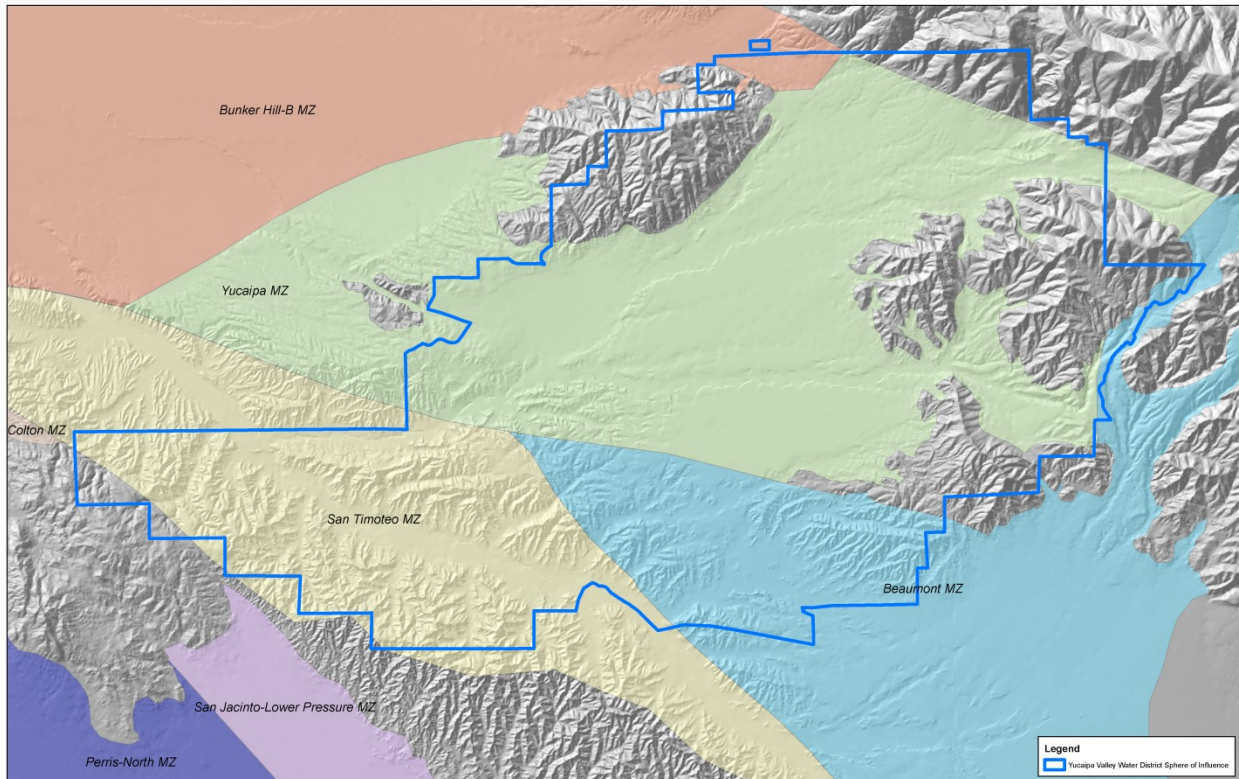
Date: May 18, 2011 **Job:** Not Applicable

Prepared By: Joseph Zoba, General Manager **G/L:** Not Applicable

Subject: Contract for Professional Services Related to an Antidegradation Analysis and Assessment for the Beaumont Management Zone

Recommendation: That the Board ratifies the increased water quality modeling effort of \$5,500 for a total contract contribution of \$17,500 to Wildermuth Environmental.

At the regular meeting on September 15, 2010, the District staff discussed the preparation of our application for new waste discharge requirements with the Regional Water Quality Control Board [DM 10-070]. In addition to the District’s permitting activities, the City of Beaumont is also pursuing revised waste discharge requirements and the Beaumont Cherry Valley Water District is in the process of obtaining permits for the use of non-potable water within their service area. For the Regional Water Quality Control Board to process each of our permits, they have requested additional information to fully understand the potential groundwater quality impacts to the Beaumont Management Zone.



On September 13, 2010, the Regional Water Quality Control Board sent a letter pursuant to Water Code Section 13267 requiring a technical report be produced to support the Salt Management Plan for the Santa Ana Region (see page 3 of 26). On September 29, 2010, staff members from the Yucaipa Valley Water District along with staff from Beaumont Cherry Valley Water District and the City of Banning met with the Regional Board staff to discuss the purpose and methods for compliance with this letter.

Following the meeting, it was clear that long-term water management would be significantly enhanced in the region if all agencies would actively participate in the dialogue and studies to ensure their respective future plans are evaluated for potential water quality impacts.

On October 6, 2010, the Board approved a professional services contract to Wildermuth Environmental in the amount of \$12,000 to prepare a technical report regarding the salt management in the Beaumont Management Zone [DM 10-077]. During the preparation of the plan, the agencies involved requested additional modeling work from Wildermuth Environmental to better explain the impacts associated with the water supply plan from each agency. The effort related to the additional modeling will result in an additional cost to the Yucaipa Valley Water District of \$5,500, increasing our total obligation for this effort to \$17,500.

On May 12, 2011, the Yucaipa Valley Water District and the other agencies involved in this effort presented the plan to the Regional Water Quality Control Board staff.

The agencies are now jointly preparing the remaining salt liability portion of the technical report. A presentation will be provided to the Board of Directors outlining the attached report information and the remaining salt liability in the near future.



Linda S. Adams
Secretary for
Environmental Protection

California Regional Water Quality Control Board Santa Ana Region

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 • FAX (951) 781-6288 • TDD (951) 782-3221
www.waterboards.ca.gov/santaana



Arnold Schwarzenegger
Governor

September 13, 2010

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Beaumont Cherry Valley Water District
Attention: Anthony Lara
Interim General Manager
560 Magnolia Avenue
Beaumont, CA 92223

City of Beaumont
Attention: David Dillon
Director of Economic Development
550 East 6th Street
Beaumont, CA 92223

Yucaipa Valley Water District
Attention: Joe Zoba
General Manager
12770 Second Street
Yucaipa, CA 92399

**ORDER PURSUANT TO WATER CODE SECTION 13267 FOR TECHNICAL REPORTS FOR A
TECHNICAL REPORT TO SUPPORT THE IMPLEMENTATION OF THE MAXIMUM BENEFIT
OBJECTIVES FOR TOTAL DISSOLVED SOLIDS AND NITRATE NITROGEN IN THE BEAUMONT
MANAGEMENT ZONE**

Gentlemen:

This Order, issued pursuant to California Water Code section 13267, requires that you submit certain plans and schedules (collectively, reports) to evaluate the impact of discharges of total dissolved solids (TDS) and nitrogen on the Beaumont Groundwater Management Zone (Beaumont MZ). This requirement is consistent with the Salt Management Plan for the Santa Ana Region, and in particular the maximum benefit implementation plan for the Beaumont MZ, adopted by the California Regional Water Quality Control Board, Santa Ana Region (Regional Water Board) in 2004 (Resolution No. R8-2004-0001) and approved by the State Water Resources Control Board and the Office of Administrative Law in 2005.

Background of the Maximum Benefit Implementation Plan for the Beaumont MZ

On June 26, 2002, the San Timoteo Watershed Management Authority (STWMA¹) submitted a proposal to establish maximum benefit objectives for TDS and nitrate-nitrogen for the Beaumont MZ to accommodate water resource management projects, including the recharge of stormwater,

¹ The San Timoteo Watershed Management Authority (STWMA) was formed in January 2001 by the Beaumont-Cherry Valley Water District (BCVWD), the City of Beaumont (Beaumont), the South Mesa Water Company and the Yucaipa Valley Water District (YVWD). The STWMA formed a stakeholder group to develop a watershed scale water resources management program that would provide a safe and reliable water supply for all water users in the watershed. In July 2010, STWMA disbanded.

September 13, 2010
WC Sec.13267 Order re Beaumont MZ

Page 2 of 5

imported State Project Water (SPW), and recycled water. The maximum benefit objectives and commitments for Beaumont MZ were based on detailed model projections and analyses conducted by Wildermuth Environmental, Inc (WEI). The modeling analysis utilized a Constantly Stirred Reactor Model (CSRM), and simulated TDS groundwater quality through 2100 resulting from the implementation of several planned scenarios, including a no project alternative and the preferred maximum benefit alternative. The preferred maximum benefit alternative assumes that 10,000 acre-ft of replenishment water will be recharged into the Beaumont MZ with a 50/50 mix of recycled water and SPW. The preferred option also assumed that 5,100 acre-ft of non-potable supply of a 50 /50 mix of SPW and recycled water would be used within the Beaumont MZ. The TDS quality of recycled water, to be provided by the City of Beaumont Wastewater Treatment Plant (WWTP), was assumed to have an average TDS concentration of 550 mg/L, and the imported water was assumed to have a TDS concentration of 290 mg/L.

The Regional Board adopted the maximum benefit proposals in 2004 (Resolution No. R8-2004-0001), assigning STWMA and the City of Beaumont the responsibility for implementing the maximum benefit commitments in the Beaumont MZ. The commitments include building desalting facilities when either of the following occurs:

- When the five-year average TDS concentration in recycled water produced by the Beaumont WWTP is 10 mg/L less than its current TDS limit (490 mg/L), or
- When the volume-weighted TDS concentration in the Beaumont MZ rises to within 10 mg/L of the maximum benefit TDS objective of 330 mg/L.

Resolution No. R8-2004-0001 also specifies similar maximum benefit implementation programs for the Yucaipa and San Timoteo MZs. Yucaipa Valley Water District (YVWD) is responsible for implementation of the maximum benefit commitments for the Yucaipa MZ, and is jointly responsible for implementing the maximum benefit commitments for the San Timoteo MZ along with the City of Beaumont and STWMA.

Permitting Issues

Since 2009, the Beaumont Cherry Valley Water District (BCVWD) has been working with Regional Board staff to obtain a recycled water permit to utilize various sources of water for non-potable use and for recharge in the Beaumont MZ. BCVWD is proposing to use recycled water from both the Yucaipa Valley Water District (YVWD) and the City of Beaumont, local groundwater, and imported SWP water. The ranges of anticipated flow and water quality for the YVWD recycled water and local groundwater for the near term (2015) and long term (2035), are described in a June 2, 2010 letter report submitted by BCVWD, which is attached as Exhibit A. These "new" sources of water – the YVWD recycled water and local groundwater – were not considered in the original model projections and analyses conducted by WEI in 2002. Therefore, the water quality impact of these "new" sources on the Beaumont MZ is unknown.

The City of Beaumont is also working with Regional Board staff to renew and update their Waste Discharge Requirements (WDRs) to increase the discharge from 4 MGD (approximately 4,484 acre-ft/year) to 8 MGD (8,968 acre-ft/year). Concurrently, YVWD has requested revisions to their WDRs to correct an error in the TDS limit for recycled water used for irrigation, and to include a provision allowing for the recharge of recycled water into the Beaumont MZ. YVWD's proposed irrigation use and recharge of recycled water in the Beaumont MZ was not considered in the original analysis by WEI, and the impact of these discharges needs to be evaluated.

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Basin Plan Amendment Issues

As previously indicated, the Basin Plan specifies that STWMA and the City of Beaumont are responsible for implementing the maximum benefit commitments related to the Beaumont MZ. However, with the dissolution of STWMA, the responsibilities for carrying out the maximum benefit commitments in the Beaumont MZ need to be re-assessed. Some STWMA members, including BCVWD, the City of Beaumont and YVWD, continue to have and/or have expressed new interest in water management activities, including the use/increased use of recycled water, in the Beaumont MZ. Given this, it is necessary to reconsider the assigned responsibilities for implementing maximum benefit commitments for the Beaumont MZ. One STWMA member, South Mesa Water Company, has no interest in the Beaumont MZ, and should not be included in the maximum benefit program. In sum, the Basin Plan needs to be revised to incorporate changes in water resource and salt management, and maximum benefit implementation in the Beaumont MZ. To do so, an updated modeling analysis is necessary. It should be noted that this analysis is necessary in any case to support current permitting requests, described above. The analysis must include an assessment of salt liabilities by these agencies under the different management scenarios so that the responsibilities for maximum benefit implementation can be properly assigned.

Required Submittals

Consistent with the Salt Management Plan, you are hereby required to submit an updated analysis for the Beaumont MZ to the Regional Water Board as soon as possible, but **no later than November 30, 2010**. The analysis must include the following:

- 1) Updated planning information for the use of all sources of water by each agency in the Beaumont MZ. This updated information shall include flow, quality, and recharge or use location;
- 2) An update of the CSR model to create 30-year TDS and nitrogen projections for the Beaumont MZ based on the full range of recycled water planning scenarios that are being considered; and
- 3) An assessment of the individual and cumulative water quality impact as a result of each agency's water management activities and calculation of the salt liability of all recycled water users in Beaumont MZ

The model analysis that is conducted must be consistent with the model analysis that was performed as part of the 2002 maximum benefit proposal.

We recommend that BCVWD, YVWD and the City of Beaumont conduct a single joint analysis. However, if each agency chooses to submit a separate analysis, it must include an assessment of all planned water uses by all agencies and include all the elements identified above.

Need for Technical Report

The Regional Water Board is charged with the protection of water quality in this Region. Unless properly managed, the discharge of salt or nitrogen as a result of water management activities in Beaumont MZ has the potential to contribute to the degradation of water quality and adversely affect beneficial uses. The technical report required by this Order is needed to determine the contribution of

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salt and nitrogen from water use and water resource management activities. The data and information will assist efforts to carry out implementation of the maximum benefit program, as set forth in the Basin Plan, in the Beaumont MZ.

Evidence Supporting the Need for the Technical Reports

Monitoring and modeling conducted to develop the maximum benefit programs demonstrated that water management activities (e.g., irrigation use and recharge of recycled water) discharge salt and nitrogen to the Beaumont MZ. The evidence demonstrating that water management activities are sources of salt and nitrogen discharges is contained in letter report from STWMA "Revised San Timoteo Watershed Management Authority proposal for new total dissolved solids (TDS) and total inorganic nitrogen (TIN) water quality objectives for the Beaumont, San Timoteo, and Yucaipa management zones based on maximum beneficial use", and Exhibit A - TDS Budget Table, June 2002, and a letter report from BCVWD "Estimated Recycled Water and Imported Water Needs to Support Groundwater Quality Evaluation", June 2010. Based on these analyses, the three agencies have discharged, or are planning discharges that do and could potentially contribute salt and nitrogen loads in Beaumont MZ.

Burden and Cost of Technical Reports

The estimated cost of a single joint analysis is \$36,000 (as reflected in the proposal to BCVWD and the City of Beaumont by WEI dated August 12, 2010). The three agencies can choose to share the cost of a single analysis and report, or prepare separate analyses and reports on their own. Logically, the cost of three separate analyses and reports will be higher. Since the analysis requires data and information from all three agencies, if the analysis is conducted separately for each agency, Regional Board staff estimates the total cost could potentially be \$36,000 per agency for a total of \$108,000.

Regardless of whether a single or combined analytical approach is selected, the costs of the technical reports required by this Order are justified. Without this information, we will not be able issue WDRs in a timely fashion. The preparation of the above report is also necessary to provide for continued implementation of the maximum benefit objectives for the Beaumont Management Zone.

Penalties

Though we are confident you will make every effort to comply with this Order in a timely manner, please be advised that pursuant to section 13268 of the California Water Code, failure to submit the required information by the specified compliance date, or falsifying any information provided therein, is a misdemeanor and may result in civil liability. Noncompliance may subject you to administrative civil liability in the amount of up to \$1,000 for each day of violation. Compliance with this Order is not a substitute for compliance with other applicable laws and does not preclude action to enforce compliance with such other laws.

Appeal

Any person affected by this action of the Regional Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with section 13320 of the California Water Code and Title 23, California Code of Regulations, section 2050. The petition must be received by the State Water Board within 30 days of the date of this Order. The State Board's website (<http://www.swrcb.ca.gov/wqpetitions/index.html>) contains detailed information regarding the petition process. Copies of the law and regulations applicable to filing petitions will be provided upon request. In addition to filing a petition with the State Water Board, any person affected

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by this Order may request the Regional Water Board to reconsider this Order. To be timely, such a request must be received within 30 days of the date of this Order. Note that even if reconsideration by the Regional Water Board is sought, filing a timely petition with the State Water Board is also necessary to preserve the petitioner's legal rights. If you choose to request reconsideration of this Order or file a petition with the State Water Board, be advised that you must comply with the Order while your request for reconsideration and/or petition is being considered.

If you have any questions regarding the Order, or wish to schedule a meeting to discuss, please contact, Dr. Cindy Li, Engineering Geologist, at (951) 782-4906 or cli@waterboards.ca.gov.

Sincerely,



for Joanne E. Schneider
Division Chief

cc: Regional Board
David Rice, Office of Chief Counsel, SWRCB, DavidRice@waterboards.ca.gov

Attachment: Exhibit A - Estimate of Recycled Water and Imported Water Needs in support of Groundwater Quality Evaluation for Cherry Valley Water District Recycled Water Permit



April 11, 2011

Beaumont Cherry Valley Water District
Attention: Anthony Lara
Interim General Manager
560 Magnolia Avenue
Beaumont, CA 92223

City of Banning
Attention: Duane Burk
Public Works Director
176 E. Lincoln Street
Banning, CA 92220

Yucaipa Valley Water District
Attention: Joe Zoba
12770 Second Street
Yucaipa, CA 92399

Subject: BMZ Analysis Budget Update and Change Order Request

Dear Messrs. Lara, Burk, and Zoba:

The purpose of this letter is to provide you with an update on the status of the budget for the BMZ analysis that Wildermuth Environmental, Inc. (WEI) is executing under contract with the City of Beaumont (Beaumont), the Beaumont-Cherry Valley Water District (BCVWD), the Yucaipa Valley Water District, and the City of Banning (Banning), collectively referred to herein as the clients. When the scope of work was developed for this project in August 2010, the estimated budget proposed to the clients was about \$39,000 (\$9,673 per agency).

Table 1 (attached) is the estimated cost at completion (ECAC) for the BMZ analysis as of March 31, 2011. The ECAC also shows the total contract budget, the allowed budget¹, and total project billings through March 31, 2011 for each client. As of March 31, 2011 WEI has incurred costs totaling \$49,885 for work performed under Tasks 1 through 3 of the BMZ analysis. As you will notice, the ECAC of \$76,600 is in excess of the original budget estimate and will require a change order from BCVWD, YVWD, and Banning before WEI can invoice the March 2011 work or complete the analysis. Beaumont originally budgeted \$30,000 to perform this work and will not require a change

¹ Each client executed a contract with differing maximum budget amounts. If all four clients decided to participate in the analysis, the allowed budget expenditures under each contract would be one-fourth the total projected cost, or \$9,673. The only exception was the City of Beaumont who requested additional work under their contract for issues related to maximum benefit compliance in the San Timoteo Management Zone.

BMZ Budget Update and Change Order Request
Messrs. Lara, Burk, and Zoba

April 11, 2011
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order. WEI informed the group that expenses would exceed our contract authorization at the February 15, 2011 and the March 18, 2011 meetings due to increased number of scenarios and meetings requested by the group. The following is a summary of the expanded scope of work that has evolved since the August 2010 proposal and resulted in the increased ECAC.

Task 1 – Prepared N/TDS Projections for the BMZ

Water Supply Planning

The original scope of work assumed that planning data would be readily available from each agency, and that the sum of all the water supply plans would add up to a reasonable water management scenario for the region. While most of the planning data was readily available, many of the agencies requested modifications to their supply plans as the work progressed (such as the addition of new stormwater recharge), requiring that I spend additional time coordinating with each agency and creating several versions of each supply plan for their review and approval. Additionally, the supply plans were found to be somewhat infeasible when considered all together. The total storage accruing in the basin was unrealistic and the projected State Water Project water demands were considered far in excess of what could be expected for delivery from the Pass Agency. All this resulted in approximately 6 extra days of Samantha Adams' time to complete the water supply planning, or an overage of about \$7,200. The ECAC assumes that further changes to the supply plans will not be needed.

Scenario Analysis

The original scope of work assumed that three to five recycled water recharge scenarios would be run as part of the analysis. Per the direction of the clients, a total of 12 scenarios were developed for inclusion in the final report. Additionally, the clients requested that supporting supply plan tables documenting each planning scenario be produced for review and for inclusion as an appendix to the report. Completion of 12 scenario runs and the creation of multiple drafts if supporting tables have added approximately 9.5 days of additional time to date, resulting in an overage of about \$11,400. To complete the final set of scenarios for the April 14, 2010 meeting will cost \$2,230 (0.25 days Mark Wildermuth, 1.5 days Samantha Adams).

Prepare Draft/Final Report

The draft report has not been started yet. The estimated cost to complete the draft report is about \$6,430 (0.25 days Mark Wildermuth, 4.5 days Samantha Adams, 0.75 days Tim Wildermuth). To complete the final draft will be an additional \$1,400 if the comments are not too significant (1 day Samantha, 0.25 days Tim Wildermuth).

Task 2 – Salt Liability Assessment

The original scope of work assumed a budget of \$8,060 to complete this task. Because we have not completed the TDS/N projections, this task has yet to begin. It is estimated that if all parties can agree on a methodology for the salt liability assessment at one meeting, then the analysis and a short letter report can be completed within a budget of \$6,860 (0.5 days Mark Wildermuth, 5 days Samantha Adams).

Task 3 – Meetings and Regulatory Support

The original scope of work assumed that WEI would attend three to four meetings with the clients and the Regional Board to develop planning scenarios and review the draft and final results. Additional time was also budgeted for providing regulatory support to the clients. To date, WEI has

BMZ Budget Update and Change Order Request
Messrs. Lara, Burk, and Zoba

April 11, 2011
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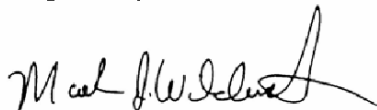
participated in 7 meetings with the entire BMZ workgroup. When budgeted, the meetings were assumed to require 6 hours of Samantha Adams' time (including 2 hours travel, a 2 hour meeting, and 2 hours to prepare presentation/ handouts). Each meeting to date has lasted between 2.5 and 3.5 hours, and required several extra hours of presentation and handout preparation, resulting in an average cost of 10 hours of Samantha Adams' time per meeting. Additional time has been spent by Mark Wildermuth as well. To date the increased time commitment to meetings has resulted in about \$7,750 of the budget overage. It is now anticipated that at least 11-12 meetings will be needed to complete Task 3. The estimated cost of attending 4-5 additional meetings with the clients/Regional Board is \$9,780 (2 days Mark Wildermuth, 5 days Samantha Adams, plus ODCs).

In summary, a change order in the following amounts is needed from the BCVWD, Banning, and the YVWD to complete the BMZ analysis:

- BCVWD: Increase contract limit by \$6,200 (from \$13,000 to \$19,200)
- YVWD: Increase contract limit by \$7,200 (from \$12,000 to \$19,200)
- Banning: Increase contract limit by \$7,200 (from \$12,000 to \$19,200)

We intend to stop work on this project after the April 14th meeting this week until these requested change orders are approved. Please call me or Samantha if you have any questions.

Respectfully,



Mark J. Wildermuth, PE
President



Samantha S. Adams
Senior Scientist

**Table 1
Estimated Cost at Completion for the Beaumont Management Zone Antidegradation Analysis as of March 31, 2011**

Project Clients	Total Contract Budget	"Allowed" Budget ^{1,2,3,4}	Total Cost Incurred through 3/31/10	Cost Incurred for Shared Scope of Work through 3/31/10	Labor to Complete Tasks 1-3 (days)			Total	Labor Cost to Complete Tasks 1-3	ODCs to Complete Tasks 1-3	ECAC for Tasks 1-3	Contract Budget Remaining	"Allowed" Budget Remaining	Budget after Proposed Change Order	Budget Remaining after Change Order
					Principal	Senior	Eng. Tech.								
City of Beaumont Share ¹	\$ 30,000	\$ 30,000	\$ 20,817	\$ 12,500	0.75	4.25	0.25	5.25	\$ 6,590	\$ 85	\$ 19,175	\$ 10,825	\$ 2,508	\$ 30,000	\$ 2,508
BCWWD Share ²	\$ 13,000	\$ 9,673	\$ 12,459	\$ 12,459	0.75	4.25	0.25	5.25	\$ 6,590	\$ 85	\$ 19,124	\$ (6,134)	\$ (9,461)	\$ 19,200	\$ 66
YVWD Share ³	\$ 12,000	\$ 9,673	\$ 12,496	\$ 12,496	0.75	4.25	0.25	5.25	\$ 6,590	\$ 85	\$ 19,171	\$ (7,171)	\$ (9,498)	\$ 19,200	\$ 29
Banning Share ⁴	\$ 12,000	\$ 9,673	\$ 12,431	\$ 12,431	0.75	4.25	0.25	5.25	\$ 6,590	\$ 85	\$ 19,106	\$ (7,106)	\$ (9,433)	\$ 19,200	\$ 94
Totals	\$ 67,000	\$ 69,019	\$ 68,202	\$ 49,886	3	17	1	21	\$ 26,360	\$ 340	\$ 76,585	\$ (9,585)	\$ (17,566)	\$ 87,600	\$ 2,698

NOTES

- 1--Beaumont contract total and cost billed to date is greater than other clients due to expanded scope of work requests (e.g. regulatory support for maximum benefit in the STMZ).
- 2--The contract with BCWWD is for \$13,000, but it was agreed that no more than \$9,673 can be billed without permission if all four parties share in the cost of the analysis.
- 3--The contract with YVWD is for \$12,000, but it was agreed that no more than \$9,673 can be billed without permission if all four parties share in the cost of the analysis.
- 4--The contract with Banning is for \$12,000, but it was agreed that no more than \$9,673 can be billed without permission if all four parties share in the cost of the analysis.


Updated Budget options for completing the BMZ work

Samantha Adams [sadams@wildermuthenvironmental.com]

Sent: Fri 04/29/2011 4:29 PM

To: Joseph Zoba; Anthony Lara; Duane Burk

Cc: Mark Wildermuth, PE

Message |  20110411_BMZ Budget Memo.pdf (143 KB)

Good afternoon,

On April 11, 2011, WEI submitted to you a change order request asking each of your agencies to increase in the total contract budget for the BMZ analysis to \$19,200 to complete the original and expanded scope of work (attached). At the April 14, 2011 meeting of the BMZ workgroup, you asked for a revised budget estimate to complete the BMZ analysis with a few modifications: (1) no salt liability technical report and (2) fewer meetings.

If the Agencies prepare their own liability report to the Regional Board (as was proposed by the group at the April 14 meeting), each of your agencies will save about \$1,700 based on the estimate provided in the April 11 change order request. As for the meetings, the April 11, 2011 change order request included the assumption of 4-5 more meetings after March 31, 2011. Since March 31, 2011, two meetings have already been held and two more are scheduled (May 4th and May 12th). Seemingly, there are no cost savings to be had for this portion of the scope of work.

As of April 29, 2011, each of your agencies has incurred about \$16,500 in labor and other direct costs. To attend the two scheduled meetings and complete the final report is estimated to cost about \$3,890, or just under \$1,000 per agency participating in the study. The final cost to each agency will be about \$17,500, or a savings of \$1,700 from the original change order request. If this is all the work you require WEI to perform then the, then the change order request is amended as follows:

- BCVWD: Increase contract limit by \$4,500 (from \$13,000 to \$17,500)
- YVWD: Increase contract limit by \$5,500 (from \$12,000 to \$17,500)
- Banning: Increase contract limit by \$5,500 (from \$12,000 to \$17,500)

If you do wish WEI to remain involved in the creation of a salt liability report to complete your obligations under the CWC 13267 order, then we recommend supplementing your contract budgets per the original change order.

If you have any questions or need additional information, please give me or Mark Wildermuth a call.

Best regards,



Samantha Adams
Senior Scientist II

23692 Birtcher Drive
Lake Forest, CA 92630
Office 949.420.3030
Direct 949.600.7527
Fax 949.420.4040

sadams@wildermuthenvironmental.com
www.wildermuthenvironmental.com



April 29, 2011

Beaumont-Cherry Valley Water District
Attention: Anthony Lara
Interim General Manager
560 Magnolia Avenue
Beaumont, CA 92223

City of Banning
Attention: Duane Burk
Public Works Director
176 E. Lincoln Street
Banning, CA 92220

City of Beaumont
Attn: David Dillon
Director of Economic Development
550 East 6th Street
Beaumont, CA 92223

Yucaipa Valley Water District
Attention: Joe Zoba
General Manager
12770 Second Street
Yucaipa, CA 92399

Subject: Total Dissolved Solids and Nitrate-Nitrogen Projections for the Beaumont Management Zone

Dear Messrs. Lara, Burk, Dillon, and Zoba:

Pursuant to your request, Wildermuth Environmental, Inc. (WEI) prepared 30-year total dissolved solids (TDS) and nitrate-nitrogen concentration projections for the Beaumont Management Zone (BMZ). The Regional Water Quality Control Board, Santa Ana Region (Regional Board) has required the Beaumont-Cherry Valley Water District (BCVWD), the City of Beaumont, and the Yucaipa Valley Water District (YVWD) to develop and provide these projections prior to amending the Water Quality Control Plan for the Santa Ana River Basin (Basin Plan) and issuing permits for recycled water use in the BMZ. The City of Banning also participated in this study in anticipation of their recycled water reuse plans within the BMZ. Similar projections were prepared by the San Timoteo Watershed Management Authority (STWMA) and the City of Beaumont when they proposed maximum benefit based objectives for TDS and nitrate-nitrogen in the BMZ in 2002. This letter report provides background information on the regulatory concerns for salt management in the BMZ; summarizes the technical approach, data, and assumptions used to prepare the TDS and nitrate-nitrogen projections; defines the range of planning scenarios analyzed; and discusses the results of the analysis.

BACKGROUND

In January 2004, the Regional Board amended the Basin Plan to incorporate an updated TDS and nitrogen management plan for the Santa Ana Region (Regional Board, 2004). The antidegradation water quality objectives set forth by the 2004 Basin Plan Amendment restricted the use of recycled water for irrigation and groundwater recharge for certain groundwater management zones, including the BMZ, the San Timoteo Management Zone (STMZ), and the Yucaipa Management Zone (YMZ). In particular, the ambient TDS concentrations of all three management zones exceeded the antidegradation objectives, meaning that no assimilative

Letter to Messrs. Lara, Burk, Dillon, and Zoba
Subject: TDS and Nitrate Projections for the BMZ

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capacity exists for the use of recycled water with TDS concentrations in excess of the objectives. Under the antidegradation objectives, the use of recycled water would require mitigation even though the reuse would not materially impact future TDS concentrations or impair beneficial uses. Thus, alternative maximum benefit objectives were specified for the BMZ, STMZ, and YMZ. The maximum benefit objectives, which allow for the lowering of water quality, were established based on demonstrations by the STWMA and the City of Beaumont (for the BMZ and STMZ) and the YVWD (for the YMZ and STMZ) that antidegradation policies were satisfied. The locations of these management zones and their associated antidegradation and maximum benefit objectives are shown in Figure 1.

The maximum benefit objectives incorporated into the Basin Plan were based on model projections produced by WEI (STWMA, 2003). The modeling analysis utilized a Constantly Stirred Reactor Model (CSRM) to simulate TDS and nitrate-nitrogen concentrations through 2100 resulting from the implementation of several water supply planning scenarios, including a no recycled water reuse alternative and the preferred maximum benefit alternative. The water supply planning scenarios evaluated in the maximum benefit proposal and incorporated in the current Basin Plan only cover the use of recycled water from the City of Beaumont's Wastewater Treatment Plant No. 1 (WWTP No. 1) within the BMZ. Currently, there are additional sources of recycled water planned for reuse in the BMZ: the YVWD's Wochholz Regional Water Recycling Facility (WRWRF) and a future wastewater treatment facility that the City of Banning plans to construct. Prior to issuing permits for these additional recycled water uses, the Regional Board must (1) evaluate the impact of each use on the assimilative capacity afforded by the maximum benefit objectives in the BMZ and (2) amend the existing Basin Plan to incorporate an updated maximum benefit implementation plan for the BMZ. The implementation plan defines a series of projects and programs that must be implemented by the parties in order to demonstrate that water quality consistent with the maximum benefit to the people of the state of California will be maintained.

Accordingly, on September 13, 2010, the Regional Board issued an order pursuant to California Water Code Section 13267 (Order), requiring that the BCVWD, the City of Beaumont, and the YVWD prepare an antidegradation analysis in support of implementing TDS and nitrate-nitrogen maximum benefit objectives in the BMZ. Specifically, the order requested the following:

1. Updated planning information for the use of all sources of water by each agency in the BMZ;
2. An update of the CSRM model to create 30-year TDS and nitrogen projections for the BMZ, based on the full range of recycled water planning scenarios being considered; and
3. An assessment of the individual and cumulative water quality impacts resulting from each agency's water management activities and a calculation of the salt liability of all recycled water users in the BMZ.

At the time the order was issued, Regional Board staff were not aware of the City of Banning's recycled water reuse plans, which could have an impact on the BMZ; thus, the Order did not name them as a required participant in the analysis. In anticipation of their recycled water reuse plans and to ensure that they are covered under the updated maximum benefit implementation plan for the BMZ, the City of Banning committed to participate in the model analysis update.

Letter to Messrs. Lara, Burk, Dillon, and Zoba
Subject: TDS and Nitrate Projections for the BMZ

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The BCVWD, Cities of Beaumont and Banning, and YVWD (the parties) hired WEI to execute the technical work required by the Order. Additionally, the parties set-up an informal BMZ workgroup to address the regulatory issues raised by the order and to oversee the technical work. Participants in the workgroup included the parties, WEI, Regional Board staff, representatives of the San Geronio Pass Water Agency (Pass Agency), and additional consultants to the parties. To date, the BMZ workgroup has held a total of nine meetings.¹

The Order set a due date of November 30, 2010 for all three deliverables described above. The parties have since requested extensions to submit a final technical report that covers requirements 1, 2 and the first part of item 3 by May 30, 2011. A report covering the remaining portion of item 3 will be submitted by July 31, 2011. This letter report satisfies 1, 2 and the first part of item 3. All official correspondence relating to the Order have been included with this report as Appendix A.

TECHNICAL APPROACH

Consistent with the technical approach used to define the BMZ maximum benefit objectives in 2002 and per the specifications of the Order, WEI updated and implemented the CSR tool to project TDS and nitrate-nitrogen concentrations in the BMZ through 2040.

In a CSR, fluid particles enter a reactor and are instantaneously dispersed throughout the reactor volume. The fluid particles leave the reactor in proportion to their statistical population. This approximation is used to study lakes and reservoirs with continuous inputs and outputs (see, for example, *Water Quality: Characteristics, Modeling and Modification*, Tchobanoglous & Schroeder, 1987). The extension of this approach to a groundwater basin provides a first-order approximation of the time scale of TDS and nitrate-nitrogen changes. In other words, this approach produces a conservative estimate of the TDS and nitrate-nitrogen projection as the salt load from all sources are assumed to enter the saturated zone in the year applied at the ground surface and are instantaneously mixed in the Basin. This was first done in the Santa Ana Watershed by Water Resources Engineers (WRE, 1969) and formed the basis of the Regional Board's Basin Planning process through the mid 1990's.

The approach is as follows:

- Estimate the volume of water in storage and volume-averaged TDS and nitrate-nitrogen concentrations of the BMZ at the start of the simulation period (initial condition).

For each time step, the following are performed:

- Estimate inflow (recharge) and outflow (discharge) volumes.
- Estimate the change in storage.
- Estimate the TDS and nitrate-nitrogen concentrations for each recharge component.
- Assume that the TDS and nitrate-nitrogen concentrations of each discharge are equal to the TDS and nitrate-nitrogen concentrations at the end of the previous time step.
- Estimate the TDS and nitrate-nitrogen masses in the reactor.

¹ Workgroup meetings were held at the Regional Board's office in Riverside, CA on September 29, 2010, October 21, 2010, November 17, 2010, February 4, 2011, February 15, 2011, and March 18, 2011, and at the YVWD's Crystal Creek Water Filtration Facility in Yucaipa, CA on March 30, 2011, April 14, 2011, and April 25, 2011.

Letter to Messrs. Lara, Burk, Dillon, and Zoba
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- Estimate the TDS and nitrate-nitrogen concentrations in the reactor at the end of the time step.

The recharge terms consist of the deep percolation of precipitation, the deep percolation of applied water, recharge from septic tank systems, the natural and artificial recharge of storm waters, the artificial recharge of supplemental water (imported water, recycled water, etc.), the incidental recharge of recycled water, and subsurface inflows from adjacent groundwater basins. With the exception of the deep percolation of applied water and recharge from septic tank systems, the recharge terms are independent of the groundwater discharge terms and are calculated or assumed values. The deep percolation of applied water and recharge from septic tank systems are closely related to water demand and are derived from the portion of water demand required to satisfy outdoor and indoor water uses, respectively.

Put simply, the water volume and constituent mass balance for a groundwater basin (reactor) is:

$$\text{Recharge} - \text{Discharge} = \text{Change in Storage} \quad (1)$$

For TDS and nitrate-nitrogen concentrations, an implicit finite-difference approximation is used:

$$\sum [I_{j,t \text{ to } t+1} * C_{j,t}] - \sum [O_{k,t \text{ to } t+1} * CGW_t] = VGW_{t+1} * CGW_{t+1} - VGW_t * CGW_t \quad (2)$$

Where:

- $I_{j,t \text{ to } t+1}$ is the j^{th} recharge term during the period t to $t+1$,
- $C_{j,t}$ is the concentration for the j^{th} recharge term during the period t to $t+1$,
- $O_{k,t \text{ to } t+1}$ is the k^{th} discharge term from the groundwater basin during the period t to $t+1$,
- VGW_{t+1} is the volume of groundwater in storage at $t+1$, and
- CGW_{t+1} is the concentration of groundwater at $t+1$.

The mass balance is solved for CGW_{t+1} after the hydrologic or water volume mass balance is solved.

The steps towards development and implementation of the CSR and TDS and nitrate-nitrogen projections include: (1) defining each party's water supply plan relative to the BMZ, (2) defining the planning hydrology for the BMZ model reactor, and (3) defining the model scenarios.

WATER SUPPLY PLANS

Each party provided WEI with its water supply plan for the planning period of 2010 through 2040. Each plan contained total potable and non-potable water demands, the water supply sources projected to meet those demands, estimates of supplemental water recharge (imported and recycled water), estimates of stormwater recharge, and wastewater generation projections.

WEI staff worked closely with representatives of each agency to dial in their water supply plans for use in the model analysis. The water supply plans were entered into standardized tables and reviewed for consistency with the Rules and Regulations of the Beaumont Basin Watermaster. Specifically, water rights accounting projections for the Beaumont Groundwater Basin were used to estimate storage account balances and replenishment requirements for each agency. Modifications were also made to stormwater recharge estimates to distinguish "new" stormwater

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recharge from that which would have otherwise existed without the recharge project. Furthermore, the imported water component of each water supply plan had to be modified between model scenarios. The plans were modified, as needed, per the following model scenario criteria.

Compliance with Basin Plan. The maximum benefit implementation plan for the BMZ requires that (1) the non-potable supply system comply with a 10-year running average TDS concentration of 330 milligrams per liter (mg/L), or less, and that (2) recycled water recharge be limited to the amount that can be blended with other high-quality recharge sources (imported SWP water and “new” stormwater) to achieve a 5-year running average concentration equal to or less than 330 mg/L. When necessary, the water supply plans were modified to increase the amount of SWP water needed to achieve compliance.

Compliance with Title 22 Recycled Water Recharge Regulations. The California Department of Public Health (DPH) also requires dilution for planned recycled water recharge projects. Compliance with this requirement is easier to achieve than Basin Plan compliance because existing stormwater recharge and underflow can be counted as dilution sources. This analysis assumes that the DPH will allow a 20 percent recycled water contribution for the first three years of a planned recycled water recharge project and 50 percent thereafter.^{2,3}

Recharge for Replenishment and/or Conjunctive Use. In the absence of the dilution requirements for recycled water reuse, the SWP water recharge component of the supply plans was modified to (1) to ensure enough SWP water is being imported to satisfy the replenishment obligations incurred from groundwater production in the Beaumont Groundwater Basin or (2) to maintain storage account balances with the desired specifications of each agency.

Brief summaries of the parties' water supply plans are provided below. Figure 2 shows the boundary of the BMZ and the water service area boundaries of the retail water agencies. It is important to note that the inclusion of the water supply plans for each agency does not mean that the plan of any one agency is acceptable to the others. That is, each agency reserves their right to challenge each other's water supply plans during future project planning processes.

Yucaipa Valley Water District. While the YVWD service area covers a large area over several management zones, the water supply plan provided for this analysis includes only the portion of its service area that overlies the BMZ. Total demand for the YVWD service area within the BMZ is projected to increase from about 1,125 acre-ft/yr in 2010 to 6,500 acre-ft/yr in 2040. The non-potable demand increases from 100 acre-ft/yr to 3,200 acre-ft/yr. The YVWD's potable water supplies include groundwater from the Beaumont Basin and SWP water. Non-potable supplies include imported SWP water and recycled water from the WRWRF. Total recycled water generation for the entire YVWD service area is projected the increase from 5,000 acre-ft/yr in 2010 to 7,900 acre-ft/yr in 2040.

City of Banning. Total demand for the City of Banning service area is projected to increase from about 9,400 acre-ft/yr in 2010 to 15,500 acre-ft/yr in 2040. The non-potable demand for the

² This assumption is based on input from DPH staff who attended the March 30, 2011 meeting of the BMZ workgroup.

³ A 20 percent recycled water contribution means that recycled water can be no more than 20% of all sources of recharge at the project location. For example, for every 1 acre-ft of recycled water recharged, there must be 4 acre-ft of dilution water available.

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portion of the City's service area within the BMZ will increase from 1,400 acre-ft/yr in 2015 to 2,900 acre-ft/yr in 2040. Banning's potable water supplies include groundwater from the Beaumont Basin, the Banning Storage Unit, the Banning Bench, Banning Canyon, and the Cabazon Storage Unit. Non-potable supplies include groundwater from Banning Canyon and recycled water from a future wastewater treatment facility planned for construction. Total recycled water generation at this future facility is projected to increase from about 1,700 acre-ft/yr in 2015 to about 5,000 acre-ft/yr in 2040. The City of Banning also plans to recharge SWP water in the BMZ for demand management. Currently, they utilize the BCVWD's recharge facility for this recharge activity. The current City policy is to set aside funds to purchase SWP water on an annual basis when it is available from the Pass Agency.

City of Beaumont. The City of Beaumont owns WWTP No. 1 and operates the plant pursuant to Regional Board Order R8-2009-0002. The residents connected to the City's Sewer service receive water supply service from the BCVWD. The City is currently permitted to discharge up to four million gallons per day (MGD), the equivalent of 4,480 acre-ft/yr, of recycled water effluent at discharge point DP-001 in the STMZ and at discharge points DP-007 and DP-008 in the BMZ (see Figure 1). The City is currently in the process of applying for an amendment to discharge up to 8 MGD (8,960 acre-ft/yr) to accommodate development. Total recycled water generation is expected to increase from 3,100 acre-ft/yr in 2010 to 6,300 acre-ft/yr in 2040. Per a US Fish and Wildlife Service requirement, the City must discharge a minimum of 1.8 MGD of recycled water to DP-001 to support habitat in Cooper's Creek and San Timoteo Creek. This discharge will create a salt mitigation obligation in the STMZ once the TDS concentration of the recycled water effluent exceeds 400 mg/L. Thus, as one component of their salt mitigation plan, the City plans to recover up to 1.8 MGD of STMZ groundwater and import it into the BMZ for supplemental recharge.

Beaumont-Cherry Valley Water District. The majority of the BCVWD service area lies within the BMZ. BCVWD customers include residents of the City of Beaumont and residents in the unincorporated area of Riverside County known as Cherry Valley. City residents make up about 83% of the BCVWD's total demands. Total demand for the BCVWD service area is projected to increase from about 15,000 acre-ft/yr in 2010 to 25,500 acre-ft/yr in 2040. Non-potable demand will increase from about 1,800 acre-ft/yr in 2012 to 8,600 acre-ft/yr in 2040. The BCVWD's potable water supplies include groundwater from the Beaumont Basin, Edgar Canyon, and the Singleton Basin. Non-potable supplies include groundwater from Lower Edgar Canyon and the Beaumont Basin, recycled water from the YVWD's WRWRF and/or the City of Beaumont WWTP No. 1, and imported SWP water. The BCVWD owns and operates a large recharge facility that is currently used to recharge imported water (see Figure 1). The BCVWD will continue to recharge SWP water, when it is available from the Pass Agency, for demand management purposes throughout the duration of the planning period.

Other Minor Pumpers. Data from the Beaumont Basin Watermaster was used to estimate the demands of minor pumpers in the BMZ (WEI, 2010a). These entities include the South Mesa Water Company and the Overlying Parties to Beaumont Basin Judgment. The total water demand for these minor pumpers is projected to decrease from about 3,300 acre-ft/yr in 2010 to 2,600 acre-ft/yr in 2040.

San Gorgonio Pass Water Agency. The Pass Agency is a State Water Contractor and serves imported SWP water to the retail agencies within its service area, which includes areas outside of the BMZ. The Pass Agency has a SWP water Table A allocation of 17,300 acre-ft/yr. Based on the most recent SWP Delivery Reliability Report, the average allocation of the SWP system

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is 60%, meaning that the average delivery of SWP water by the Pass Agency will be about 10,380 acre-ft/yr. This average value assumes that the agencies will take 100 percent of the water available 100 percent of the time. If they do not, the long-term average will be less than 10,380 acre-ft/yr. There are no guarantees of SWP water in any given year. While the long-term reliability is 60%, it is possible that the allocation be zero for one or more years if there were a major earthquake anywhere in the State that closed down the SWP system or a major flood in the Delta.

In addition to selling SWP water to retail agencies, the Pass Agency has been recharging SWP water in the BMZ for overdraft mitigation. For the planning period, the Pass Agency plans to recharge an average of about 2,000 acre-ft/yr of SWP water at their recharge facility on Little San Geronio Creek, the BCVWD's recharge facility, and/or their planned recharge facility on Noble Creek (see Figure 1). This water is for overdraft mitigation only and is not intended to be sold to any of the parties to meet water demands or dilution requirements. By 2040, the Pass Agency could have recharged as much as 62,000 acre-ft of water to mitigate overdraft.⁴

PLANNING HYDROLOGY

To develop TDS and nitrate-nitrogen projections, it is necessary to carefully develop the planning hydrology of the basin. In other words, the basin must be defined in terms of its initial conditions with regards to the volume and TDS and nitrate-nitrogen concentrations of water in storage as well as the recharge and discharge components that will change these conditions over time.

Several components of the planning hydrology for the CSRМ were derived from the Beaumont area groundwater flow model (Beaumont Model), developed in 2006 with funding from STWMA's Project Committee No. 1 (made up of BCVWD and the City of Beaumont). The calibration of this model has been documented in draft form and has been used to simulate groundwater flow and nitrate concentrations for on-site wastewater disposal planning alternatives. No formal reports have been prepared to document these simulations; although, the results were summarized in *Water Quality Impacts from On-Site Waste Disposal Systems in the Cherry Valley Community of Interest* (WEI, 2007). The Beaumont Model boundary is slightly different than the BMZ boundary in that it excludes Edgar Canyon and Singleton Basin (see Figures 2 and 3). However, the aquifer system represented by the model contains most of the useful groundwater in the BMZ and is thus representative of the BMZ.

The initial condition, recharge terms, and discharge terms are described below. Unless otherwise noted, a 25% nitrogen-loss factor is applied to the nitrate-nitrogen concentration of all recharge terms in the CSRМ. This is the standard nitrogen-loss credit afforded by the Basin Plan for recycled water discharges.

Initial Conditions

The initial conditions for the BMZ were derived from the *Recomputation of Ambient Water Quality in the Santa Ana Watershed for the Period 1990 to 2009* (draft technical report

⁴ Although the Pass Agency does not currently have an approved Storage Account with the Beaumont Basin Watermaster, they are working with the Watermaster on submitting a draft agreement by June 30, 2011.

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forthcoming [WEI, 2011])^{5,6}. The initial groundwater storage in the BMZ is about 1,137,000 acre-feet (acre-ft), and the initial TDS and nitrate-nitrogen concentrations are 280 mg/L and 2.5 mg/L, respectively. The ambient TDS and nitrate-nitrogen concentrations in the BMZ are appropriate for setting the initial condition of the model because this is the regulatory standard used by the Regional Board to assess the state of assimilative capacity therein.

Recharge Terms

Deep Percolation of Precipitation. The deep percolation of precipitation estimates are based on the calibrated Beaumont Model. These estimates are based on the expected value of deep percolation and were developed by estimating the 50-year average deep percolation of precipitation for 2003 and 2030, based on land use maps for those years and estimated water use characteristics. The deep percolation of precipitation was assumed to be 3,900 acre-ft/yr each year of the planning period. The TDS and nitrate-nitrogen concentrations for the deep percolation of precipitation were assumed to be 100 mg/L and 1 mg/L. These values are consistent with water quality samples obtained by the Chino Basin Watermaster from recharge basin monitoring in the early 2000s (DDB & WEI, 2006). The magnitude and TDS and nitrate-nitrogen concentrations for the deep percolation of precipitation do not vary between model scenarios.

Deep Percolation of Applied Water. The TDS and nitrate-nitrogen concentrations of the deep percolation of applied water (return flows) vary over time in response to changes in the concentrations of the water supply. The TDS and nitrate-nitrogen concentrations in return flows are a function of the water supply concentration, the fraction consumptively used, and the mass increments added through use. This can be expressed as:

$$C_{rf} \cdot V_{rf} = (V_{sw} \cdot C_{sw}) + M_{incr} - M_{decr} \quad (3)$$

$$V_{rf} = V_{sw} \cdot (1-FC) \quad (4)$$

Combining equations (3) and (4) yields:

$$C_{rf} = [(V_{sw} \cdot C_{sw}) + M_{incr} - M_{decr}] / [V_{sw} \cdot (1-FC)] \quad (5)$$

$$C_{rf} = [C_{sw} / (1-FC)] + [M_{incr} - M_{decr}] / [V_{sw} \cdot (1-FC)] \quad (6)$$

Where:

- C_{rf} is the constituent concentration in the returns from use,
- V_{rf} is the volume of the returns from use,
- C_{sw} is the constituent concentration in the source water,
- V_{sw} is the volume of the source water,
- M_{incr} is the mass added by a specific water use,
- M_{decr} is the mass taken out by consumptive use and degradation processes within a specific water use, and
- FC is the fraction of water consumed.

⁵ The use of this initial condition was required by the Regional Board as it is the most current estimate of ambient TDS and nitrate-nitrogen.

⁶ The draft technical report is in progress and has not been released by WEI. Thus, the report has not been reviewed by the parties.

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The fraction of water consumed was assumed to be 75 percent of the applied water, and the mass increments, expressed as concentration increments for TDS and nitrate-nitrogen, were assumed to be 250 mg/L and 10 mg/L, respectively (Water Resources Engineers, 1970).

Note that the deep percolation estimates tributary to the BMZ are based on the fraction of each retail water agency's service area that overlies the BMZ. Tables 6 through 8 in Appendix B illustrate the computation of the deep percolation of applied water for each retail water agency. The magnitude of this recharge term increases over time with increasing water demand, but does not vary between model scenarios. The TDS and nitrate-nitrogen concentrations of return flows will vary between model scenarios depending on the concentrations of the water supply sources used in a given scenario.

Recharge from Septic Tank Systems. Return flows from septic tank discharges were modeled for the Cherry Valley portion of BCWWD's service area. The return flows are a function of the indoor water use of residents utilizing on-site waste disposal systems. It is assumed that the entire volume of water used indoors by these residents is discharged to septic tanks and subsequently to the BMZ. Table 9 in Appendix B illustrates the computation of return flows from septic tanks in Cherry Valley. The magnitude of this recharge term increases over time, following development trends, but does not vary between model scenarios. The TDS concentration is assumed to equal the TDS concentration of the wastewater effluent discharged from Beaumont WWTP No 1. The TDS concentrations of the return flows vary between model scenarios, depending on the concentrations of the water supply sources used in each scenario. Nitrate-nitrogen concentrations are assumed to equal 35 mg/L, a value that has already accounted for nitrogen losses (WEI, 2007).

Storm Water Recharge. Storm water recharge is the recharge that occurs in the unlined stream system and storm water recharge facilities in the BMZ. Estimates of the stormwater recharge that occurs in the unlined stream system are based on the calibrated Beaumont Model. These recharge estimates are based on the expected value of storm water recharge and were developed by estimating the 50-year average recharge in the system based on 2003 and 2030 land use maps. Additional stormwater recharge will be generated by several new stormwater management facilities. However, only the volume over and above what naturally would have recharged, or "new" recharge, should be added to the model estimated values. "New" stormwater recharge at constructed facilities was assumed to equal one-half of the estimated annual recharge at a given facility.⁷ The magnitude of stormwater recharge increases over time as new facilities are constructed but does not vary across model scenarios. The TDS and nitrate-nitrogen concentrations for storm water recharge were assumed to be 100 mg/L and 1 mg/L-N, respectively. These values are consistent with water quality samples obtained by the Chino Basin Watermaster from recharge basin monitoring in the early 2000s (DDB & WEI, 2006). The TDS and nitrate-nitrogen concentrations for stormwater recharge do not vary with time or between model scenarios.

Incidental Recharge of Recycled Water. Recycled water effluent from the City of Beaumont's WWTP No. 1 that is not discharged to DP-001 in the STMZ and is not used for direct non-potable use is discharged to either DP-007 or DP-008. The magnitude of this recharge term varies with each model scenario. The initial TDS concentration is assumed to equal the current 12-month average concentration of about 400 mg/L and increases with time as a function of the

⁷ A New Recharge methodology has not been adopted by the Beaumont Basin Watermaster, so the actual and "new" recharge estimates cannot be verified.

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City of Beaumont's composite indoor water supply concentrations.⁸ While the concentrations increase over time, the magnitude of the increase varies between model scenarios (the final concentrations range between 449 and 483 mg/L). The nitrate-nitrogen concentration is assumed to equal the effluent permit limit of 6.0 mg/L in all scenarios unless the effluent stream, or a portion thereof, is subject to desalting.

Supplemental Water Recharge: Recycled Water. Recycled water effluent from the YVWD's WRWRF that is not utilized for direct non-potable use, will be recharged to the BMZ. Thus, the magnitude of this recharge term varies with each model scenario. The TDS concentration of recycled water recharge is a function of the YVWD's composite indoor water supply concentrations and is projected to increase from 440 mg/L in 2010 to about 498 mg/L in 2040.⁹ The trajectory of the TDS concentrations does not vary between model scenarios. The nitrate-nitrogen concentration is assumed to equal the effluent permit limit of 6.0 mg/L in all scenarios unless the effluent stream, or a portion thereof, is subject to desalting.

Supplemental Water Recharge: Imported Water. Imported water was assumed to be SWP water provided by the Pass Agency.¹⁰ The volume of SWP water recharge varies with model scenario definition. The TDS and nitrate-nitrogen concentrations of SWP water are 250 mg/L and 0.7 mg/L, respectively, and are based on the cumulative distribution of the TDS and nitrate-nitrogen concentrations reported for SWP water at the Devil Canyon Afterbay since 1973. These concentrations do not vary over time or between model scenarios.

Recharge of STMZ Groundwater: The City of Beaumont plans to recover about 1.8 MGD of groundwater from the STMZ to offset the discharge of recycled water with TDS concentrations in excess of the STMZ maximum benefit objectives. This STMZ groundwater will be discharged to Noble Creek at DP-008 beginning in 2016 and continue through the duration of the planning period. The initial TDS and nitrate-nitrogen concentrations of the STMZ groundwater were set to the 2009 ambient concentrations of 420 mg/L and 0.8 mg/L, respectively (WEI, 2010b). The TDS and nitrate-nitrogen concentrations were assumed to increase at rate of about 1.5 mg/L and 0.02 mg/L per year (465 mg/L and 1.1 mg/L in 2040).

Subsurface Discharges into the BMZ. Subsurface inflow into the BMZ occurs from Edgar and Smith Canyons. The magnitude of these subsurface discharges are a function of mountain front recharge, returns from use from the portion of the BCVWD service area that overlies Edgar Canyon (from irrigation and septic tanks), and groundwater production. The magnitude of the mountain front recharges was estimated in the development of the Beaumont Model. The total subsurface discharges into the BMZ model reactor and the associated TDS and nitrate-nitrogen concentrations were estimated using a CSRSM that assumes no change in storage in the Edgar Canyon groundwater unit. Subsurface discharge into the BMZ varies over time with increased

⁸ To project the TDS concentration of WWTP No. 1 effluent, the volume-weighted concentration of the City's water supply was computed. Then, a waste increment of 122 mg/L was applied to reflect the increase in TDS added through use and treatment. The measured TDS waste increment is about 170 mg/L. The lower value of 122 mg/L is used to account for the difference between the average TDS concentration in the BMZ estimated by the CSRSM and the actual TDS concentration of water served by the BCVWD. The increment was computed from data collected by the City in compliance with permit R8-2009-0002 and water quality data collected by the BCVWD.

⁹ A projection of the TDS concentration of WRWRF effluent was made as part of a 2010 salinity management study performed for the Santa Ana Watershed Project Authority (CDM, et al., 2010). This projection was modified to account for the improvement in the source water quality of the YVWD service area since 2010 study was published.

¹⁰ The water provided by the Pass Agency from SWP facilities may be SWP and other, non-SWP waters diverted into SWP facilities.

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development and increased production. The initial TDS and nitrate-nitrogen concentrations, 300 mg/L and 5 mg/L, were determined based on time histories of concentrations at wells owned by the BCVWD in upper and lower Edgar Canyon.

Discharge Terms

Subsurface Discharges from the BMZ. Groundwater discharges from the BMZ across its boundaries with the STMZ and the Banning Groundwater Basin. These discharges were estimated in the development of the Beaumont area groundwater model. The magnitude of the subsurface discharges increases over time with increases in supplemental recharge. The TDS and nitrate-nitrogen concentrations of this discharge term were computed by the CSR, as described in the technical approach.

Groundwater Production. The groundwater production projection for the BMZ is based on the water supply plans provided by the retail water agencies. The TDS and nitrate-nitrogen concentrations for this discharge term were computed by the CSR, as described in the technical approach.

SCENARIO DEVELOPMENT

Over the course of this project, several water supply planning scenarios were developed to evaluate the individual and cumulative impacts of each agency's water supply plans on TDS and nitrate-nitrogen concentrations in the BMZ. First, a baseline scenario was defined to demonstrate what the trajectory would look like if no recycled water was used in the BMZ (Scenario 1). Then, a series of scenarios were defined to demonstrate the relative impact of each individual agency's water supply plan (Scenarios 2-5). Finally, a scenario was defined to evaluate the cumulative impact of all recycled water uses (Scenario 6). Each scenario analyzed for this report is described in further detail below.

Baseline Scenario

Scenario 1. In this baseline scenario, there is no reuse or discharge of recycled water by any agency in the BMZ. For each water supply plan, SWP water is used to satisfy all non-potable demands that would otherwise be met with recycled water. The TDS and nitrate-nitrogen concentrations of the SWP water are assumed to be 250 mg/L and 0.7 mg/L, respectively, for the entire planning period. Also in this scenario, there is no incidental recharge of recycled water from WWTP No. 1 and no planned recharge of excess recycled water from the WRWRF. The water supply plans used in model Scenario 1 have been included with this report as Tables 1 through 4 of Appendix B.

Individual Agency Scenarios

In Scenarios 2-5, the impacts of recycled water use are modeled assuming no compliance with the Basin Plan or the DPH's Title 22 recycled water recharge regulations. Additionally, the TDS concentrations of all recycled water sources are modeled to increase over time, starting at the "current" TDS concentration in 2010. The results of Scenarios 1 through 6a will help the parties allocate salt liabilities that result from recycled water use in the BMZ.

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Scenario 2. This scenario evaluates the impact when the YVWD is the only agency using recycled water in the BMZ. All other agencies are operating under the Scenario 1 assumptions. Recycled water is used by the YVWD to serve non-potable demands only in the portion of the YVWD service area that overlies the BMZ. All excess recycled water effluent from the WRWRF is recharged in the BMZ by the YVWD. The water supply plans used in model Scenario 2 have been included with this report as Tables 1 through 4 of Appendix C.

Scenario 3. This scenario evaluates the impact when the City of Banning is the only agency using recycled water in the BMZ. All other agencies are operating under the Scenario 1 assumptions. Recycled water is used by the City to serve non-potable demands throughout their service area.¹¹ The water supply plans used in model Scenario 3 have been included with this report as Tables 1 through 4 of Appendix D.

Scenario 4. This scenario evaluates the impact when the City of Beaumont is the only agency bringing recycled water into the BMZ. This scenario also evaluates the impact of the City's plan to recharge groundwater imported from the STMZ. All other agencies are operating under the Scenario 1 assumptions. Per the request of the Regional Board, the incremental impacts of the City's water supply plan were evaluated as follows to distinguish the impacts of incidental recycled water recharge and importation of STMZ groundwater:

Scenario 4a. All but 1.8 MGD (2,018 acre-ft/yr) of recycled water produced by WWTP No. 1 is incidentally recharged in the BMZ. The water supply plans used in model Scenario 4a have been included with this report as Tables 1a through 4a of Appendix E.

Scenario 4b. All but 1.8 MGD of recycled produced by WWTP No. 1 is incidentally recharged in the BMZ. Additionally, 1.8 MGD of groundwater imported from the STMZ is recharged in the BMZ. The water supply plans used in model Scenario 4b have been included with this report as Tables 1b through 4b of Appendix E.

Scenario 4c. All but 1.8 MGD of recycled water produced by WWTP No. 1 is available to meet BCVWD non-potable demands. Any recycled water not served by the BCVWD is incidentally recharged in the BMZ. 1.8 MGD of groundwater imported from the STMZ is recharged in the BMZ. The water supply plans used in model Scenario 4c have been included with this report as Tables 1c through 4c of Appendix E.

Scenario 5. This scenario evaluates the impact if the BCVWD is the only agency using recycled water in the BMZ. All other agencies are operating under the Scenario 1 assumptions. The following variations of this scenario were evaluated:

Scenario 5a. Recycled water from WRWRF is used by the BCVWD in the non-potable system. All excess recycled water from the WRWRF is recharged at the BCVWD recharge facility. The water supply plans used in model Scenario 5a have been included with this report as Tables 1a through 4a of Appendix F.

¹¹ Because the treatment facility planned to meet the City of Banning's demands has not yet been constructed, data from their existing wastewater treatment plant was used to set the 2010 starting TDS concentration of 401 mg/L, and the waste increment of 184 mg/L. The TDS concentrations change over time as a function of the composite indoor water supply concentration and are calculated by the CSRM.

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Scenario 5b. Recycled water from both WRWRF and WWTP No. 1 is used by the BCVWD in the non-potable system. Excess recycled water from the YVWD is recharged at the BCVWD recharge facility. Excess recycled water from the City of Beaumont is not discharged in the BMZ. The water supply plans used in model Scenario 5a have been included with this report as Tables 1b through 4b of Appendix F.

Cumulative Impact Scenarios

Scenario 6. This scenario evaluates the cumulative impact to the BMZ when all agencies are using recycled water. In all versions of Scenario 6, it is assumed that the BCVWD is using recycled water from both the City of Beaumont and the YVWD. The following variations of Scenario 6 were evaluated.

Scenario 6a. To serve as a useful comparison to Scenarios 2 through 5, Scenario 6a evaluates the cumulative impacts of recycled water uses assuming no compliance with the Basin Plan or the DPH's Title 22 recycled water recharge regulations. SWP water is only used in the BMZ for demand management purposes. The water supply plans used in model Scenario 6a have been included with this report as Tables 1a through 4a of Appendix G.

Scenario 6b. All agencies use SWP water to comply with the current Basin Plan dilution requirement to achieve a volume-weighted recharge quality of 330 mg/L for the duration of the planning period. The water supply plans used in model Scenario 6b have been included with this report as Tables 1b through 4b of Appendix G.

Scenario 6c. All agencies rely on SWP water to comply with the existing Basin Plan requirement to achieve a volume-weighted recharge quality of 330 mg/L through 2019. In 2020, all recycled water sources in the BMZ are desalted to the maximum benefit objective of 330 mg/L.^{12,13} The City of Beaumont no longer imports water from the STMZ because the TDS concentration of its recycled water will be in compliance with TDS objectives for the STMZ once desalting is online. 2020 was selected as the earliest reasonable year in which desalting capacity could be added to the Beaumont and Banning treatment plants. The primary issues in getting the desalting capacity on-line are: development of a feasible brine disposal plan, completion of environmental documentation, and development of a financial plan. Final design and construction will take at least three years. The water supply plans used in model Scenario 6c have been included with this report as Tables 1c through 4c of Appendix G.

Scenario 6d. In this scenario, all agencies only import SWP water for demand management and/or compliance with Title 22 recycled water recharge regulations. In 2020, all recycled water sources in the BMZ are desalted to the maximum benefit objective of 330 mg/L.^{12,13} Additionally, the BCVWD uses Beaumont Basin groundwater to supplement the non-potable system instead of SWP water. The City of Beaumont no longer imports water from STMZ because the TDS concentration of its recycled water will be in compliance with STMZ objectives once desalting is online. The water supply plans used in model Scenario 6d have been included with this report as Tables 1d through 4d of Appendix G.

¹² For this analysis, it is assumed that the agencies will only desalt a side-stream of their wastewater effluent to achieve a final blended concentration equal to 330 mg/L. To determine the amount of water that requires desalting and, thus, the amount of water that is lost as brine in the process, it is assumed that the desalter will remove 90% of the mass of TDS and nitrate-nitrogen and achieve 85% recovery of the water desalted.

¹³ The TDS projections would be the same if a recycled water TDS concentration of 330 mg/L (or 230 mg/L for Scenario 6e) at the point of use was achieved by a mechanism other than desalting.

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Scenario 6e. This scenario is the same as scenario 6d except that in 2020, all recycled water sources in the BMZ are desalted to the anti-degradation objective of 230 mg/L.^{12,13} The water supply plans used in model Scenario 6a have been included with this report as Tables 1e through 4e of Appendix G.

RESULTS

Baseline Scenario

The TDS and nitrate-nitrogen projections for Scenario 1 are shown graphically in Figures 4 and 5, respectively. In the absence of recycled water, the TDS concentration increased from 280 mg/L in 2010 to 337 in 2040, an increase of 57 mg/L. The maximum benefit objective is exceeded in 2038. This increase is driven by the deep percolation of applied water which makes up 65 percent, on average, of the total mass of TDS returned to the BMZ in each year of the planning period. The nitrate-nitrogen concentration increased to 4.0 mg/L. The CSRMs results for Scenario 1 have been included as Table 5 of Appendix B.

Individual Agency Scenarios

The TDS and nitrate-nitrogen projections for Scenarios 2 through 5 are shown graphically in Figures 4 and 5, respectively, and are summarized in Table 1. The complete CSRMs results for Scenarios 2 through 5 are shown in Table 5 of Appendices C through F, respectively. Table 1 also compares individual agency results with Scenario 6a, which simulates the cumulative impact on the TDS and nitrate-nitrogen concentrations in the BMZ when all agencies are using recycled water in the absence of Basin Plan or DPH dilution requirements.

Table 1.
Summary of TDS and Nitrate-N Projections in 2040 for Scenarios 1 through 6a

Scenario	Final TDS Concentration (mg/L)	Increase in TDS Relative to Scenario 1 (mg/L)	Final NO ₃ -N Concentration (mg/L)	Increase in NO ₃ -N Relative to Scenario 1 (mg/L)
1	337	--	4.0	--
2	354	17	4.1	0.1
3	343	6	4.2	0.2
4a	341	4	4.0	0.0
4b	345	8	3.9	-0.1
4c	348	11	4.1	0.1
5a	360	23	4.4	0.4
5b	366	29	4.6	0.6
6a	379	42	4.7	0.7

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Relative to Scenario 1, the BCVWD's recycled water use (Scenarios 4c, 5a, and 5b) results in the largest impact on both TDS and nitrate-nitrogen concentrations in the BMZ. This is to be expected given that the BCVWD has both the largest non-potable demands in the BMZ and the largest service area that overlies the BMZ. The use of recycled water from Beaumont WWTP No. 1 in the BCVWD non-potable system (Scenario 4c) has a lesser impact than use of water from the YVWD WRWRF because the TDS concentration of WRWRF effluent is, on average, 40 mg/L higher than WWTP No. 1.

The YVWD's recycled water plans (Scenario 2) had the second largest impact on the BMZ with respect to TDS concentrations, primarily due to the large volume of excess recycled water effluent that was recharged to the basin.

The City of Beaumont's incidental recharge of recycled water had the smallest impact on the BMZ (Scenario 4a), resulting in only a 4 mg/L increase in the TDS concentration over the baseline. However, when the STMZ component of the City's supply plan was factored in, this impact doubled to an 8 mg/L increase (Scenario 4b). Importation of STMZ groundwater had the effect of improving nitrate-nitrogen concentrations relative to the baseline because the nitrate-nitrogen concentrations are low in the STMZ relative to other basin recharge components. TDS and nitrate-nitrogen concentrations were further degraded when the WWTP No. 1 effluent was used in the BCVWD non-potable system; non-potable uses return the same mass of TDS to the system, but with a much smaller volume of water.

The City of Banning's complete recycled water use plan had the smallest impact on the TDS concentration in the BMZ, increasing the final concentration by only 6 mg/L relative to the Baseline. The nitrate-nitrogen concentration was slightly higher than for other agencies because the source waters served by Banning have higher concentrations than the sources served by the YVWD or the BCVWD.

The cumulative impact of all the recycled water plans in the BMZ, relative to the baseline scenario, is an increase in the TDS and nitrate-nitrogen concentrations of 42 mg/L and 0.7 mg/L, respectively.

Cumulative Impact Scenarios

The TDS and nitrate-nitrogen projections for Scenarios 6a through 6e are shown graphically in Figures 6 and 7, respectively, and are summarized in Table 2. For each scenario, Table 2 shows the ending storage volume, the ending TDS concentration, the ending nitrate-nitrogen concentration, the total volume of water in storage accounts, the total demand for SWP water in the BMZ, and the ending TDS concentration of recycled water effluent from Beaumont WWTP No. 1.¹⁴ Figures 8 and 9 show the trajectory of SWP water demands and the total volume of water in storage accounts for the projection period. The tables and figures also compare the results of Scenarios 6a through 6e with the results of Scenario 1.

¹⁴ The WWTP No. 1 projections are included in Table 2 given that the TDS concentrations are a performance measure of water quality in the BMZ: the basin plan requires the construction of desalting facilities when the effluent TDS concentration at the plant reach within 10 mg/L of the discharge permit limit. Recall that the YVWD effluent concentrations are not tied to the BMZ and thus do not change between model scenarios. The City of Banning wastewater TDS concentrations do change between model scenarios, with final concentrations ranging between 431 mg/L and 441 mg/L, but are impacted to a much lesser degree than the City of Beaumont because a large portion of the indoor water supply is from high-quality TDS sources outside of the BMZ.

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The following requirements of the existing Maximum Benefit Implementation Plan for the BMZ, contained in the Basin Plan, are considered in the discussion of the Scenario 6 results relating to TDS and nitrate-N projections, SWP water demands, and basin storage:

- The non-potable water supply system shall comply with a 10-year running average TDS concentration of 330 mg/L or less.
- The recharge of recycled water shall be limited to the amount that can be blended with other recharge sources to achieve a five-year running average equal to than 330 mg/L or less.
- Construction of desalting facilities is required (triggered) when the five-year average TDS concentration in recycled water produced by Beaumont WWTP No. 1 is 480 mg/L (10 mg/L less than the permit limit of 490 mg/L). The facility must be constructed within seven years of the trigger event.
- Construction of desalting facilities is required (triggered) when the ambient TDS concentration in the BMZ rises above 320 mg/L (10 mg/L less than the maximum benefit TDS objective). The facility must be constructed within seven years of the trigger event.

Scenario 6a. Of all scenarios evaluated in this study, Scenario 6a shows the worst case trajectory for TDS in the BMZ. The TDS concentration increases from 280 mg/L in 2010 to 379 mg/L in 2040. The Basin Plan trigger for constructing desalting facilities based on the ambient TDS concentration occurs in 2025, and the trigger for desalting based on WWTP No. 1 effluent TDS concentration occurs in 2040. Nitrate-nitrogen concentrations remain below the maximum benefit objective, increasing from 2.5 mg/L in 2010 to 4.7 mg/L in 2040. Recall that in Scenario 6a, SWP water is only used in the BMZ for demand management purposes and thus does not result in demands in excess of the average reliability of the Pass Agency's Table A allocation.

Scenario 6b. When the Basin Plan dilution requirements are incorporated into the model projection the TDS concentration increases from 280 mg/L in 2010 to 359 mg/L in 2040. This is an improvement of 20 mg/L relative to Scenario 6a. However, even with the introduction of water for dilution, the Basin Plan trigger for constructing desalting facilities based on ambient the TDS concentration occurs in 2026, only one year later than in Scenario 6a. On the other hand, the trigger for constructing desalting facilities based on WWTP No. 1 effluent TDS concentrations does not occur during the planning period. Nitrate-nitrogen concentrations remain below the maximum benefit objective, increasing from 2.5 mg/L in 2010 to 4.1 mg/L in 2040.

The 20 mg/L improvement in the ending TDS concentration in the BMZ comes at the cost of a very large volume of SWP water. In fact by 2016, as illustrated in Figure 8, more SWP water is needed than is available during an average delivery year (10,380 acre-ft). By 2040, more than 25,000 acre-ft of water would be needed each year for dilution. Furthermore, the recharge of such large volumes of dilution water results in an unsustainable increase in groundwater storage compared to other Scenario 6 model runs, as shown in Figure 9. By 2040, the total volume of water in storage accounts is greater than 500,000 acre-ft (where as in all other model scenarios the values taper-off at or below 250,000 acre-ft). This is more than sixteen times the total water demand of the region and ten times more than the potable water demand. The results of this scenario suggest that a requirement to use SWP water for the dilution of all recycled water uses in the BMZ until the ambient TDS concentration trigger is reached is not a sustainable water supply or water quality management solution. The breakdown of the amount of SWP water needed by each agency for compliance with the Basin Plan during the entire

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planning period is summarized in Table 3. The full derivation of the SWP water requirements for each agency is shown in Tables 6b, 7b, 8b, and 9b of Appendix G.

Table 3
Summary of SWP Water Needed for Compliance with
Existing Basin Plan Requirements
2010 - 2040

Agency	Total Volume of Recycled Water Subject to Basin Plan Compliance (acre-ft)	Total Volume of SWP Water Required for Basin Plan Compliance (acre-ft)
Yucaipa Valley Water District	35,400	52,000
City of Banning	55,400	3,700
City of Beaumont ¹	71,700	59,600
Beaumont Cherry Valley Water District	196,400	222,200

1—Includes incidental recycled water recharge (21,300) and imported STMZ groundwater (50,400)

Scenario 6c. As expected, when the TDS concentration of all recycled water sources is reduced to 330 mg/L in 2020, there is an improvement in the TDS concentration trajectory in the BMZ. The TDS concentration increases from 280 mg/L in 2010 to 354 mg/L in 2040. While TDS concentrations in the BMZ will still cross the maximum benefit objective threshold during the planning period, improving the quality of the recycled water reduces the long-term need for dilution water. By 2040, when SWP water is only used for DPH compliance and demand management, the total demand within the BMZ region is below 8,000 acre-ft/yr, and the total volume of water in storage accounts is more reasonable at 215,000 acre-ft/yr. That said, during the 2010 through 2020 period, when dilution is used to comply with the Basin Plan, the SWP water demand still exceeds the average reliability for a few years (2016 through 2019).

On the other hand, while the nitrate-nitrogen concentrations still remain below the maximum benefit objective, the concentration look no better than in Scenario 6a, increasing with the same trajectory from 2.5 mg/L in 2010 to 4.7 mg/L in 2040. Dilution results in greater improvements in nitrate-nitrogen because the SWP-water is of much higher quality (07. mg/L) than the desalter product water (4.0 to 4.6 mg/L depending on the effluent source).

Scenario 6d. As shown in Figures 6 and 7, The TDS and nitrate-nitrogen projections for Scenario 6d are essentially identical to Scenario 6c. The TDS concentration increases from 280 mg/L in 2010 to 354 mg/L in 2040 and the nitrate-nitrogen concentrations increase from 2.5 mg/L in 2010 to 4.7 mg/L in 2040. Relative to TDS, these results suggest that the dilution of

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recycled water uses in the near term does not translate into long-term improvements in TDS concentrations. Long-term improvements will occur once all the recycled water sources are served at concentrations equal to or less than the maximum benefit objectives. In this scenario, the absence of the dilution requirement between 2010 and 2019 keeps the demand for SWP water in the BMZ from exceeding the average reliability of the Pass Agency's allocation in this time period.

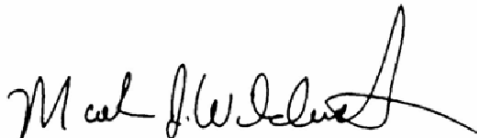
Scenario 6e. Relative to scenario 6d, there is an improvement in the TDS projection when recycled water sources are desalted to the antidegradation objective of 230 mg/L. The TDS concentration increases from 280 mg/L in 2010 to 339 mg/L in 2040. Nitrate-nitrogen concentrations decrease slightly relative to Scenario 6c, with a concentration of 4.6 mg/L. The SWP water demands and storage account balances are also similar to Scenario 6d.

In summary, the cumulative impacts of the YVWD, Cities of Banning and Beaumont, and the BCVWD utilizing recycled water in the BMZ could result in TDS concentrations ranging from 339 (Scenario 6e) mg/L to 359 mg/L.(Scenario 6b) assuming that SWP water will be used at a minimum for compliance with DPH Title 22 recycled water recharge regulations. As is observed in the baseline scenario, the increases in TDS concentration are driven by the deep percolation of applied water which makes up 52 (Scenario 6e) to 65 percent, on average, of the total mass of TDS returned to the BMZ in each version of Scenario 6. This suggests that as long as water is used outdoors, the TDS concentration of the BMZ will continue to increase over time, it will just occur at a faster rate when recycled water is used to meet outdoor water supply demands.

The complete CSRMS results for Scenarios 6a through 6e are shown in Tables 5a through 5e of Appendix G.

Please call me or Samantha Adams if you have any questions or concerns regarding this report. It has been our pleasure to assist the BCVWD, the Cities of Banning and Beaumont, and the YVWD on this important and timely analysis.

Wildermuth Environmental, Inc



Mark J. Wildermuth, MS, PE
President



Samantha S. Adams
Senior Scientist

Enclosures: Table 2; Figures 1-9; Appendices A through H

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Table 2
Summary of Model Results for Scenarios 6a through 6e

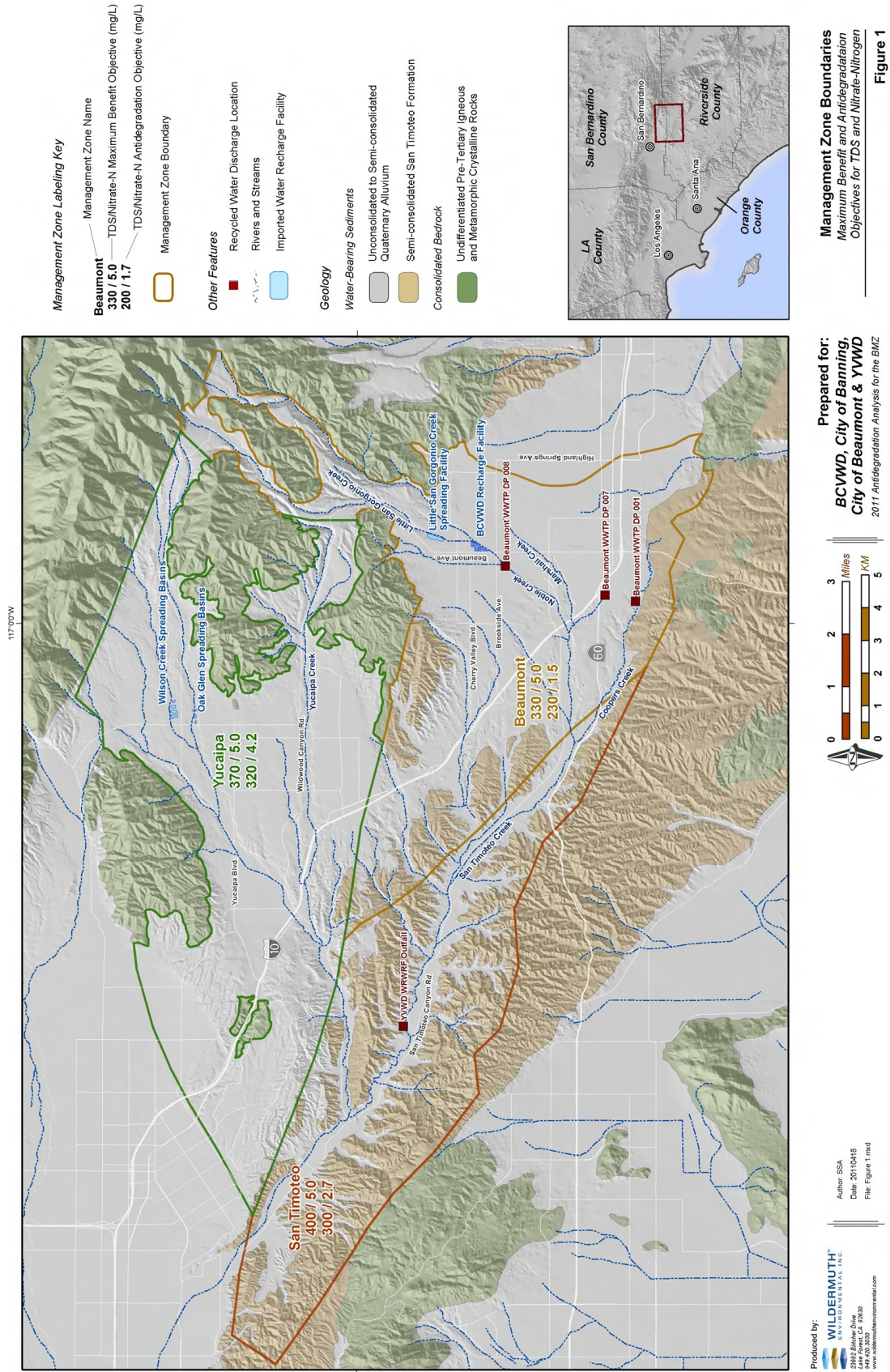
Year	Scenario 1: No reuse of recycled water in the BMZ. All recycled water demands for direct non-potable use are replaced with SWP water. No recharge (incidental on planned) or recycled water. SWP water used only for demand management and/or replenishment.					Scenario 6a: All agencies are using recycled water in the BMZ. BCWWD uses water from Beaumont and YWWD. No compliance with Basin Plan or DPH dilution requirements. SWP water used only for demand management and/or replenishment.					Scenario 6b: All agencies are using recycled water in the BMZ. BCWWD uses water from Beaumont and YWWD. SWP water used for compliance with Basin Plan and/or DPH dilution requirements.							
	Ending Basin Storage (acre-ft)	Ending TDS Conc. (mg/L)	Ending NO ₃ -N Conc. (mg/L)	Total Water in Storage Accounts (acre-ft)	Total SWP Water Demanded in the BMZ (acre-ft)	TDS Conc. of Effluent (mg/L)	Ending Basin Storage (acre-ft)	Ending TDS Conc. (mg/L)	Ending NO ₃ -N Conc. (mg/L)	Total Water in Storage Accounts (acre-ft)	Total SWP Water Demanded in the BMZ (acre-ft)	TDS Conc. of Effluent (mg/L)	Ending Basin Storage (acre-ft)	Ending TDS Conc. (mg/L)	Ending NO ₃ -N Conc. (mg/L)	Total Water in Storage Accounts (acre-ft)	Total SWP Water Demanded in the BMZ (acre-ft)	TDS Conc. of Effluent (mg/L)
2010	1,136,499	282	2.6	45,276	8,125	399	1,135,575	282	2.6	44,353	6,125	399	1,135,497	282	2.6	45,275	7,047	399
2011	1,136,034	284	2.6	58,496	8,191	400	1,134,195	284	2.6	56,658	6,192	400	1,135,497	284	2.6	57,959	6,571	400
2012	1,136,792	286	2.7	71,721	9,558	401	1,134,109	287	2.7	69,038	6,090	402	1,136,107	287	2.7	71,036	7,087	402
2013	1,139,154	288	2.7	86,701	10,624	402	1,135,829	289	2.8	83,376	6,123	403	1,138,492	289	2.8	86,039	7,087	403
2014	1,143,155	289	2.8	91,561	12,391	403	1,140,224	291	2.8	88,630	6,155	403	1,143,648	291	2.8	92,054	8,917	403
2015	1,150,522	291	2.8	98,112	14,005	404	1,148,590	294	2.9	96,179	6,188	405	1,152,563	293	2.9	100,153	8,605	405
2016	1,157,888	292	2.8	104,685	14,166	405	1,160,113	296	2.9	106,911	6,193	407	1,168,867	296	2.9	115,665	12,963	407
2017	1,165,269	294	2.9	111,282	14,327	406	1,172,131	299	3.0	118,145	6,197	409	1,186,565	299	2.9	132,579	13,970	409
2018	1,172,661	295	2.9	117,902	14,488	408	1,184,717	302	3.0	129,968	6,202	411	1,205,879	301	3.0	151,120	15,134	411
2019	1,180,064	297	2.9	124,546	14,649	409	1,197,308	305	3.1	141,789	6,206	413	1,225,379	304	3.0	169,860	15,431	413
2020	1,188,342	298	3.0	131,696	14,110	413	1,209,211	308	3.1	152,555	6,211	419	1,242,245	306	3.1	185,589	11,345	418
2021	1,196,135	300	3.0	138,257	14,360	414	1,220,637	311	3.2	162,759	6,234	421	1,259,108	309	3.1	201,230	11,870	420
2022	1,203,516	301	3.0	144,258	14,610	416	1,231,659	313	3.2	172,401	6,257	424	1,276,050	311	3.2	216,792	12,405	423
2023	1,210,486	302	3.1	149,689	14,859	417	1,242,278	316	3.3	181,481	6,280	426	1,293,084	314	3.2	232,288	12,963	425
2024	1,217,043	304	3.1	154,551	15,109	418	1,252,492	319	3.4	190,000	6,303	429	1,310,221	316	3.2	247,728	13,512	427
2025	1,224,916	305	3.2	160,564	17,020	420	1,263,715	322	3.4	199,363	6,326	432	1,329,057	319	3.3	264,704	13,959	429
2026	1,232,392	307	3.2	166,013	17,330	421	1,274,513	325	3.5	208,134	6,367	434	1,348,057	321	3.3	281,678	14,570	432
2027	1,239,451	309	3.2	170,880	17,621	423	1,284,866	328	3.6	216,296	6,409	437	1,367,215	324	3.4	298,645	15,214	434
2028	1,246,093	310	3.3	175,164	17,913	424	1,294,776	331	3.6	223,847	6,450	440	1,386,545	326	3.4	315,616	15,871	436
2029	1,252,319	312	3.3	178,865	18,204	426	1,304,242	335	3.7	230,787	6,492	443	1,406,060	329	3.5	332,605	16,540	439
2030	1,258,865	314	3.4	183,046	19,495	428	1,312,999	338	3.8	237,180	6,533	446	1,425,364	331	3.5	349,545	17,080	441
2031	1,265,291	316	3.4	186,486	19,899	429	1,321,522	342	3.8	242,717	6,602	449	1,445,076	334	3.6	366,272	17,792	444
2032	1,271,234	318	3.5	189,186	20,304	431	1,329,446	345	3.9	247,398	6,671	452	1,464,848	337	3.6	382,800	18,578	446
2033	1,276,696	320	3.5	191,146	20,708	433	1,336,773	349	4.0	251,223	6,739	456	1,484,843	339	3.7	399,143	19,408	449
2034	1,281,676	322	3.6	192,365	21,113	435	1,343,502	353	4.1	254,192	6,808	459	1,505,118	342	3.7	415,317	20,354	451
2035	1,286,894	324	3.7	193,585	22,176	437	1,350,354	357	4.2	257,045	6,877	463	1,526,810	345	3.8	431,931	20,718	454
2036	1,291,655	327	3.7	194,151	22,791	439	1,356,602	361	4.3	259,098	7,017	467	1,546,867	348	3.9	448,533	21,826	457
2037	1,295,960	329	3.8	194,065	23,407	442	1,362,246	365	4.4	260,350	7,158	470	1,568,311	351	3.9	465,140	22,957	459
2038	1,299,807	332	3.9	193,326	24,022	444	1,367,284	369	4.5	260,803	7,298	474	1,590,163	353	4.0	481,770	24,111	462
2039	1,303,195	334	3.9	191,934	24,638	446	1,371,717	374	4.6	260,456	7,439	479	1,612,444	356	4.0	498,440	25,268	465
2040	1,306,252	337	4.0	189,973	25,253	449	1,376,671	379	4.7	259,392	7,579	483	1,635,010	359	4.1	515,107	26,191	468
Min	1,136,034	282	2.6	45,276	8,125	399	1,134,109	282	2.6	44,353	6,090	399	1,135,497	282	2.6	45,275	6,571	399
Max	1,306,252	337	4.0	194,151	25,253	449	1,375,671	379	4.7	260,803	7,579	483	1,635,010	359	4.1	515,107	26,191	468
Average	1,221,492	307	3.2	147,725	16,951	421	1,256,429	325	3.5	182,662	6,507	434	1,343,580	319	3.3	269,439	15,331	430
Δ Mass ¹	—	165,916	3,263	—	—	—	—	276,582	4,927	—	—	—	—	366,135	—	—	—	—

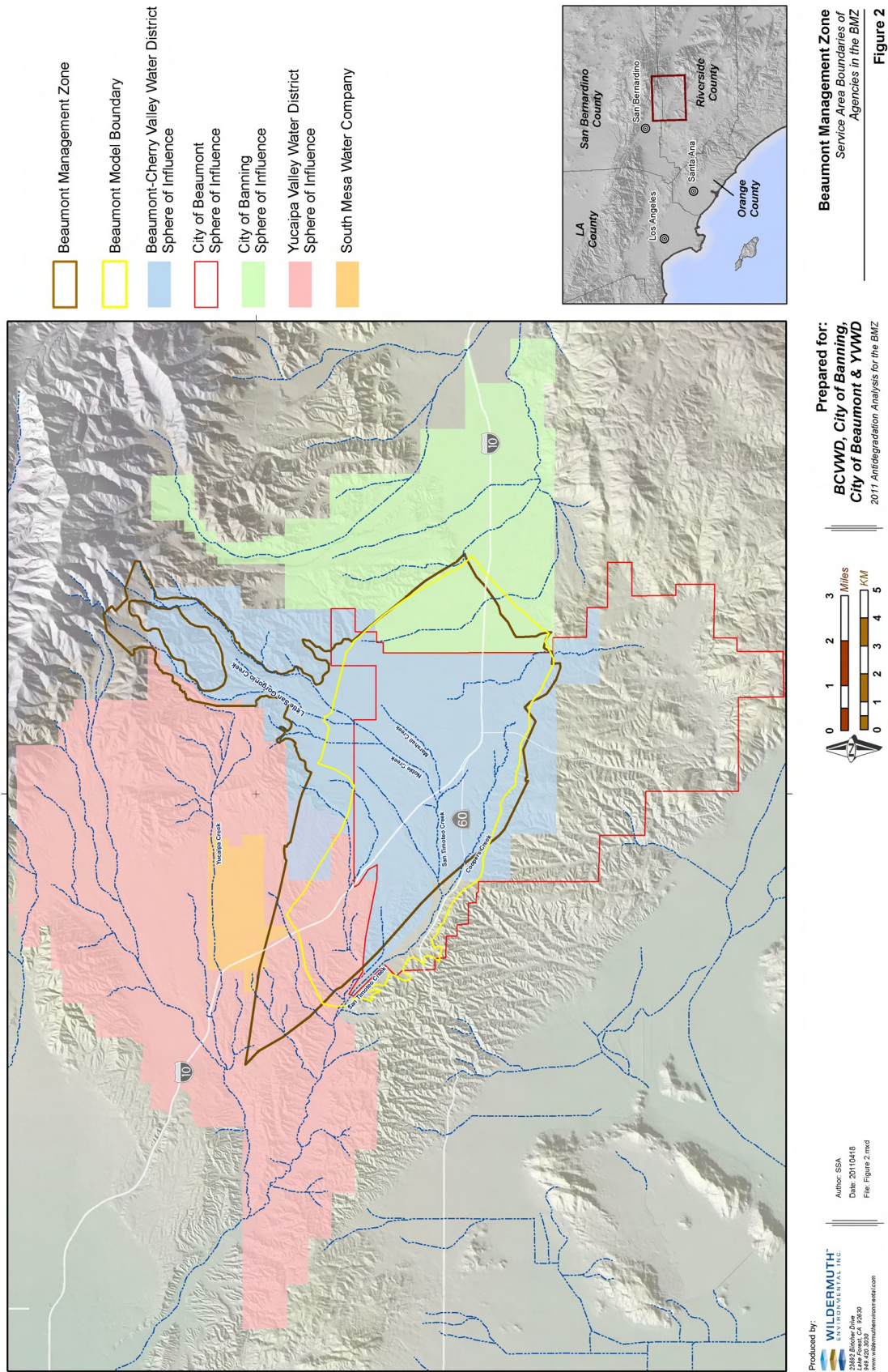
¹-This is the apparent increase in TDS and nitrate-nitrogen expressed as mass and is calculated based on the starting storage and concentrations in 2010 and the ending storage and concentrations in 2040.

Table 2
Summary of Model Results for Scenarios 6a through 6e

Year	Scenario 6a: All agencies are using recycled water in the BMZ. BCYWD uses water from Beaumont and YVWD. SWP water used for compliance with Basin Plan and/or DPH dilution requirements until 2020. Desalt recycled water effluent to 330 mg/L in 2020.					Scenario 6b: All agencies are using recycled water in the BMZ. BCYWD uses water from Beaumont and YVWD. SWP water used for demand management/replenishment only. Desalt recycled water effluent to 330 mg/L in 2020.					Scenario 6c: All agencies are using recycled water in the BMZ. BCYWD uses water from Beaumont and YVWD. SWP water used for demand management/replenishment only. Desalt recycled water effluent to 330 mg/L in 2020.					Scenario 6d: All agencies are using recycled water in the BMZ. BCYWD uses water from Beaumont and YVWD. SWP water used for demand management/replenishment only. Desalt recycled water effluent to 230 mg/L in 2020.								
	Ending Basin Storage (acre-ft)	Ending TDS Conc. (mg/L)	Ending NO ₃ -N Conc. (mg/L)	Total Water in Storage Accounts (acre-ft)	Total SWP Water Demand in the BMZ (acre-ft)	TDS Conc. Of Effluent (mg/L)	Ending Basin Storage (acre-ft)	Ending TDS Conc. (mg/L)	Ending NO ₃ -N Conc. (mg/L)	Total Water in Storage Accounts (acre-ft)	Total SWP Water Demand in the BMZ (acre-ft)	TDS Conc. Of Effluent (mg/L)	Ending Basin Storage (acre-ft)	Ending TDS Conc. (mg/L)	Ending NO ₃ -N Conc. (mg/L)	Total Water in Storage Accounts (acre-ft)	Total SWP Water Demand in the BMZ (acre-ft)	TDS Conc. Of Effluent (mg/L)	Ending Basin Storage (acre-ft)	Ending TDS Conc. (mg/L)	Ending NO ₃ -N Conc. (mg/L)	Total Water in Storage Accounts (acre-ft)	Total SWP Water Demand in the BMZ (acre-ft)	TDS Conc. Of Effluent (mg/L)
2010	1,136,497	282	2.6	45,275	7,047	399	1,136,575	282	2.6	44,353	6,125	399	1,135,575	282	2.6	44,353	6,125	399	1,135,575	282	2.6	44,353	6,125	399
2011	1,135,497	284	2.6	57,959	6,571	400	1,134,195	284	2.6	56,658	6,192	400	1,134,195	284	2.6	56,658	6,192	400	1,134,195	284	2.6	56,658	6,192	400
2012	1,136,107	287	2.7	71,036	7,087	402	1,133,809	287	2.7	68,738	6,090	402	1,133,809	287	2.7	68,738	6,090	402	1,133,809	287	2.7	68,738	6,090	402
2013	1,136,492	289	2.8	86,039	7,087	403	1,135,229	289	2.8	82,776	6,123	403	1,135,229	289	2.8	82,776	6,123	403	1,135,229	289	2.8	82,776	6,123	403
2014	1,143,648	291	2.8	92,054	8,917	403	1,137,624	291	2.8	86,030	6,155	403	1,137,624	291	2.8	86,030	6,155	403	1,137,624	291	2.8	86,030	6,155	403
2015	1,152,563	293	2.9	100,153	8,605	405	1,144,122	294	2.9	91,711	6,188	405	1,144,122	294	2.9	91,711	6,188	405	1,144,122	294	2.9	91,711	6,188	405
2016	1,164,356	296	2.9	111,154	10,458	407	1,151,649	296	2.9	98,447	6,193	407	1,151,649	296	2.9	98,447	6,193	407	1,151,649	296	2.9	98,447	6,193	407
2017	1,177,504	299	3.0	123,518	11,435	409	1,159,559	299	3.0	105,573	6,197	409	1,159,559	299	3.0	105,573	6,197	409	1,159,559	299	3.0	105,573	6,197	409
2018	1,192,229	301	3.0	137,470	12,560	411	1,167,925	302	3.1	113,166	6,202	411	1,167,925	302	3.1	113,166	6,202	411	1,167,925	302	3.1	113,166	6,202	411
2019	1,207,099	304	3.1	151,581	12,818	412	1,176,184	305	3.1	120,665	6,206	413	1,176,184	305	3.1	120,665	6,206	413	1,176,184	305	3.1	120,665	6,206	413
2020	1,216,604	305	3.1	159,948	6,445	418	1,185,454	307	3.2	128,798	6,211	419	1,185,454	307	3.2	128,798	6,211	419	1,185,454	307	3.2	128,798	6,211	419
2021	1,225,621	307	3.2	167,743	6,503	419	1,194,203	308	3.2	136,325	6,234	420	1,194,203	308	3.2	136,325	6,234	420	1,194,203	308	3.2	136,325	6,234	420
2022	1,234,225	309	3.2	174,966	6,561	421	1,202,503	310	3.3	143,244	6,257	422	1,203,601	308	3.3	144,343	6,257	422	1,203,601	308	3.3	144,343	6,257	422
2023	1,242,415	310	3.3	181,618	6,619	423	1,210,354	312	3.3	149,557	6,280	424	1,211,138	309	3.3	150,342	6,280	424	1,211,138	309	3.3	150,342	6,280	424
2024	1,250,191	312	3.3	187,699	6,678	425	1,217,756	314	3.4	155,263	6,303	426	1,218,220	310	3.4	155,728	6,303	424	1,218,220	310	3.4	155,728	6,303	424
2025	1,258,855	314	3.4	194,502	6,326	426	1,227,419	316	3.4	163,067	7,326	428	1,227,404	312	3.4	163,062	7,326	425	1,227,404	312	3.4	163,062	7,326	425
2026	1,267,054	316	3.4	200,675	6,367	428	1,236,618	318	3.5	170,240	7,367	429	1,236,119	313	3.5	169,741	7,367	426	1,236,119	313	3.5	169,741	7,367	426
2027	1,274,788	318	3.5	206,218	6,409	430	1,245,353	320	3.6	176,782	7,409	431	1,244,365	314	3.5	175,794	7,409	427	1,244,365	314	3.5	175,794	7,409	427
2028	1,282,058	321	3.6	211,129	6,450	432	1,253,623	322	3.6	182,693	7,450	433	1,252,140	316	3.6	181,211	7,450	429	1,252,140	316	3.6	181,211	7,450	429
2029	1,289,864	323	3.7	215,409	6,492	434	1,261,428	324	3.7	187,974	7,492	435	1,259,447	317	3.7	185,993	7,492	430	1,259,447	317	3.7	185,993	7,492	430
2030	1,294,940	325	3.7	219,121	6,533	436	1,268,504	326	3.8	192,685	7,533	437	1,267,020	319	3.7	191,201	8,533	432	1,267,020	319	3.7	191,201	8,533	432
2031	1,300,760	327	3.8	221,955	6,602	439	1,275,324	329	3.9	196,519	7,602	440	1,274,332	320	3.8	195,527	8,602	433	1,274,332	320	3.8	195,527	8,602	433
2032	1,305,960	330	3.9	223,912	6,671	441	1,281,524	331	3.9	198,476	7,671	442	1,281,020	322	3.9	198,972	8,671	435	1,281,020	322	3.9	198,972	8,671	435
2033	1,310,541	332	4.0	224,991	6,739	443	1,287,105	334	4.0	201,566	7,739	444	1,287,085	324	3.9	201,536	8,739	437	1,287,085	324	3.9	201,536	8,739	437
2034	1,314,503	335	4.1	225,193	6,808	446	1,292,068	336	4.1	202,757	7,808	447	1,292,527	326	4.0	203,217	8,808	438	1,292,527	326	4.0	203,217	8,808	438
2035	1,318,712	338	4.1	225,403	6,877	448	1,298,277	339	4.2	204,988	8,877	449	1,298,350	327	4.1	205,041	8,877	440	1,298,350	327	4.1	205,041	8,877	440
2036	1,322,298	341	4.2	224,794	7,017	451	1,303,862	342	4.3	206,358	9,017	452	1,303,542	330	4.2	206,038	9,017	442	1,303,542	330	4.2	206,038	9,017	442
2037	1,325,258	344	4.3	223,363	7,196	454	1,308,822	345	4.4	206,927	9,156	455	1,308,102	332	4.3	206,207	9,156	444	1,308,102	332	4.3	206,207	9,156	444
2038	1,327,591	347	4.5	221,110	7,296	457	1,313,156	348	4.5	206,675	9,296	457	1,312,029	334	4.4	205,548	9,296	446	1,312,029	334	4.4	205,548	9,296	446
2039	1,329,297	350	4.6	218,036	7,439	460	1,316,862	351	4.6	205,600	9,439	460	1,315,323	336	4.5	204,062	9,439	448	1,315,323	336	4.5	204,062	9,439	448
2040	1,330,537	354	4.7	214,257	7,613	463	1,320,066	354	4.7	203,787	9,579	463	1,318,109	339	4.6	201,830	9,579	451	1,318,109	339	4.6	201,830	9,579	451
Min	1,135,497	282	2.6	45,275	6,326	399	1,133,809	282	2.6	44,353	6,090	399	1,133,809	282	2.6	44,353	6,090	399	1,133,809	282	2.6	44,353	6,090	399
Max	1,330,537	354	4.7	225,403	12,818	463	1,320,066	354	4.7	206,927	9,579	463	1,318,109	339	4.6	206,207	9,579	451	1,318,109	339	4.6	206,207	9,579	451
Average	1,245,325	316	3.5	171,557	7,555	427	1,225,037	317	3.5	151,270	7,217	428	1,224,758	311	3.5	150,991	7,443	424	1,224,758	311	3.5	150,991	7,443	424
Δ Mass ¹	—	207,497	4,606	—	—	—	—	203,366	4,570	—	—	—	—	174,834	4,374	—	—	—	—	—	—	—	—	—

¹—This is the apparent increase in TDS and nitrate-nitrogen expressed as mass and is calculated based on the starting storage and concentrations in 2010 and the ending storage and concentrations in 2040.





Beaumont Management Zone
Service Area Boundaries of Agencies in the BMZ
Figure 2

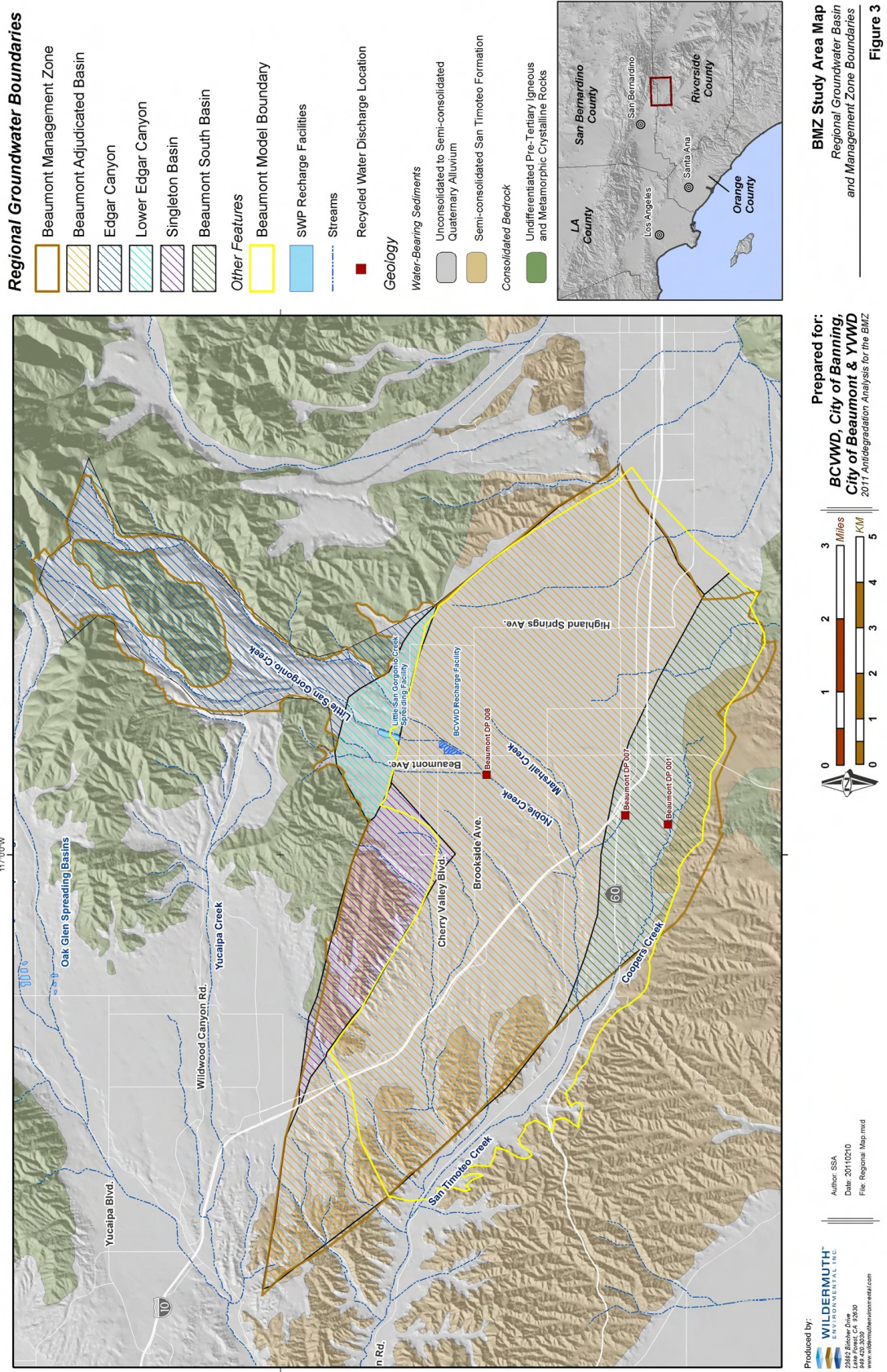
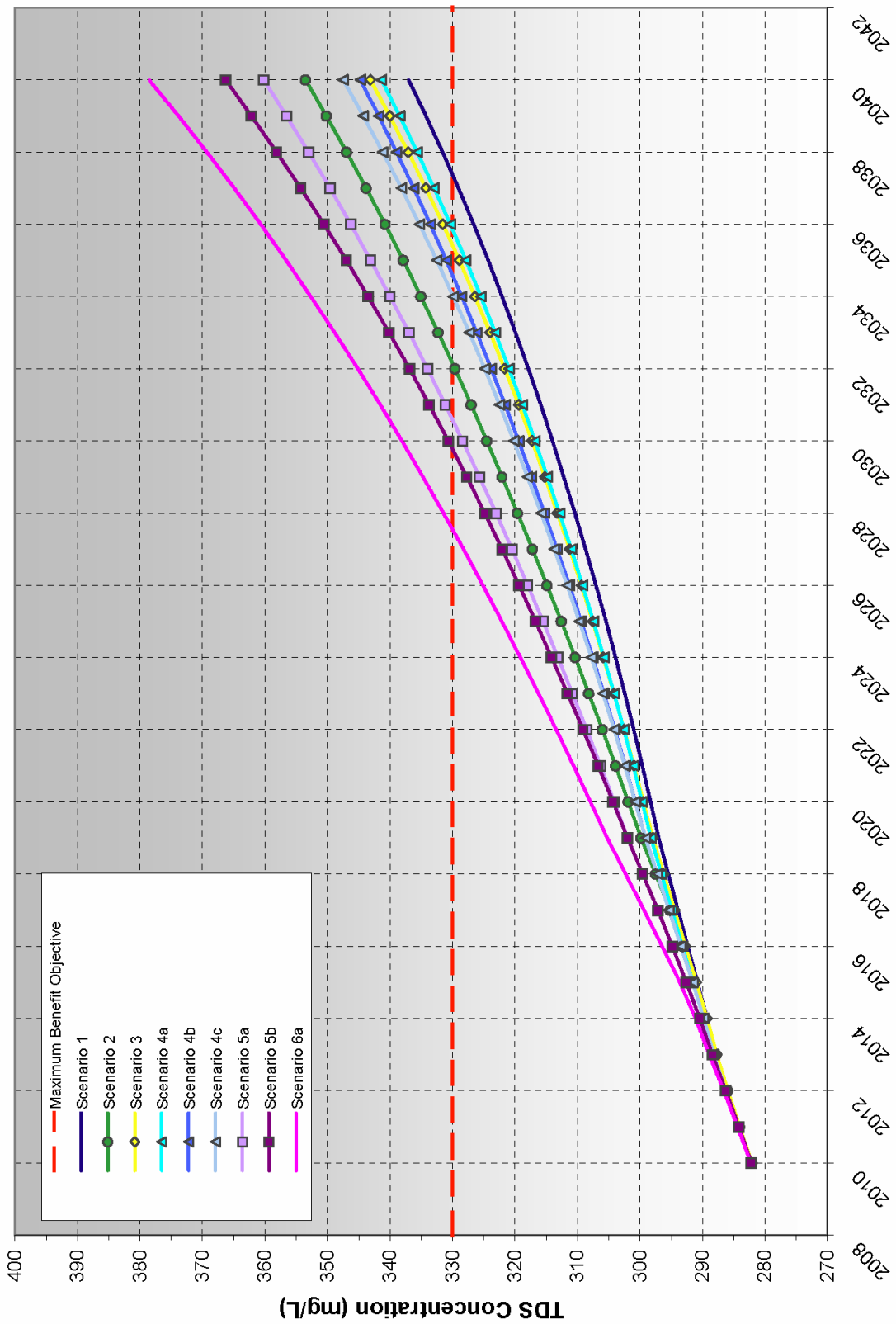


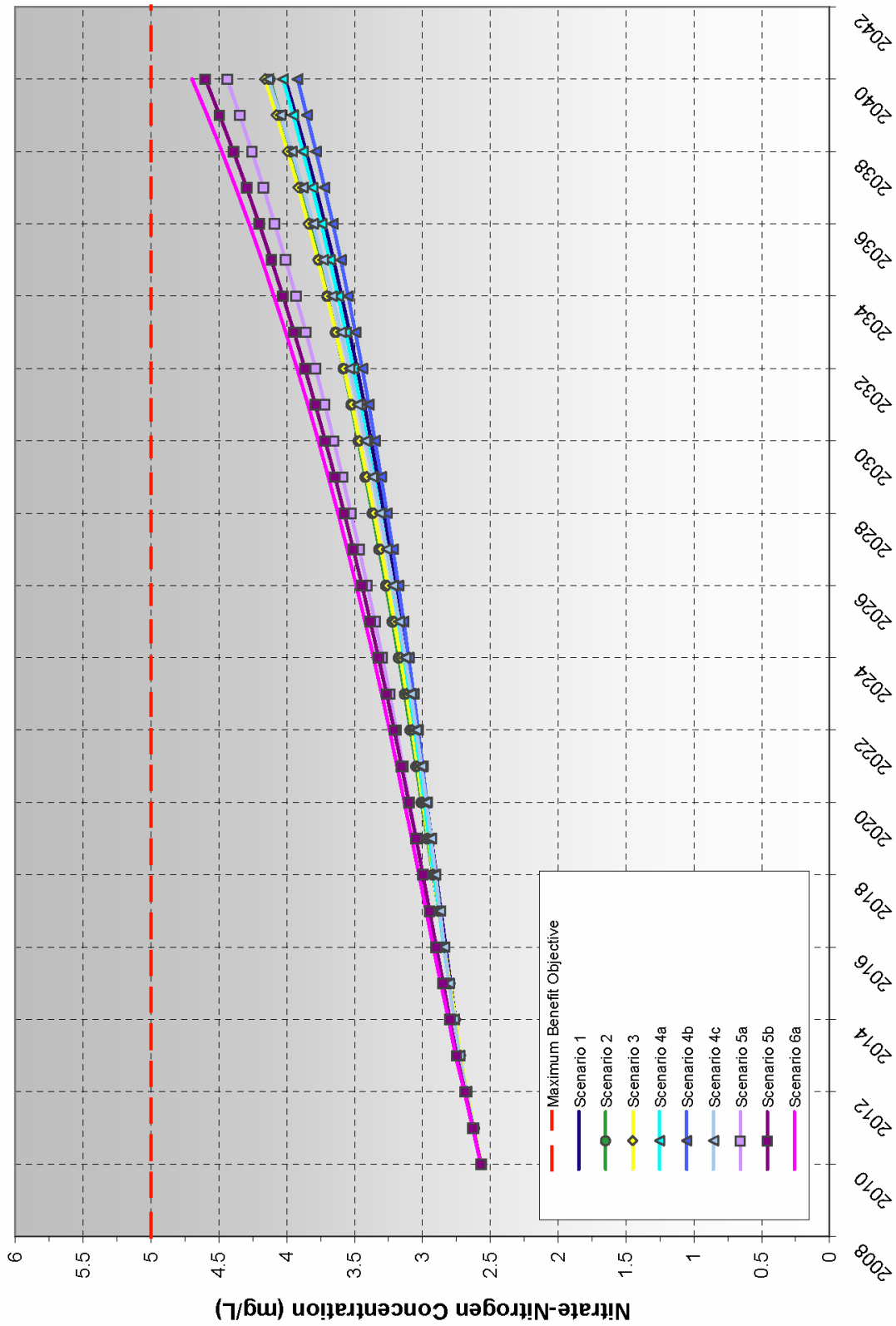
Figure 3
BMZ Study Area Map
Regional Groundwater Basin
and Management Zone Boundaries

Figure 4
TDS Projections for the Beaumont Management Zone -- Scenarios 1 through 6a



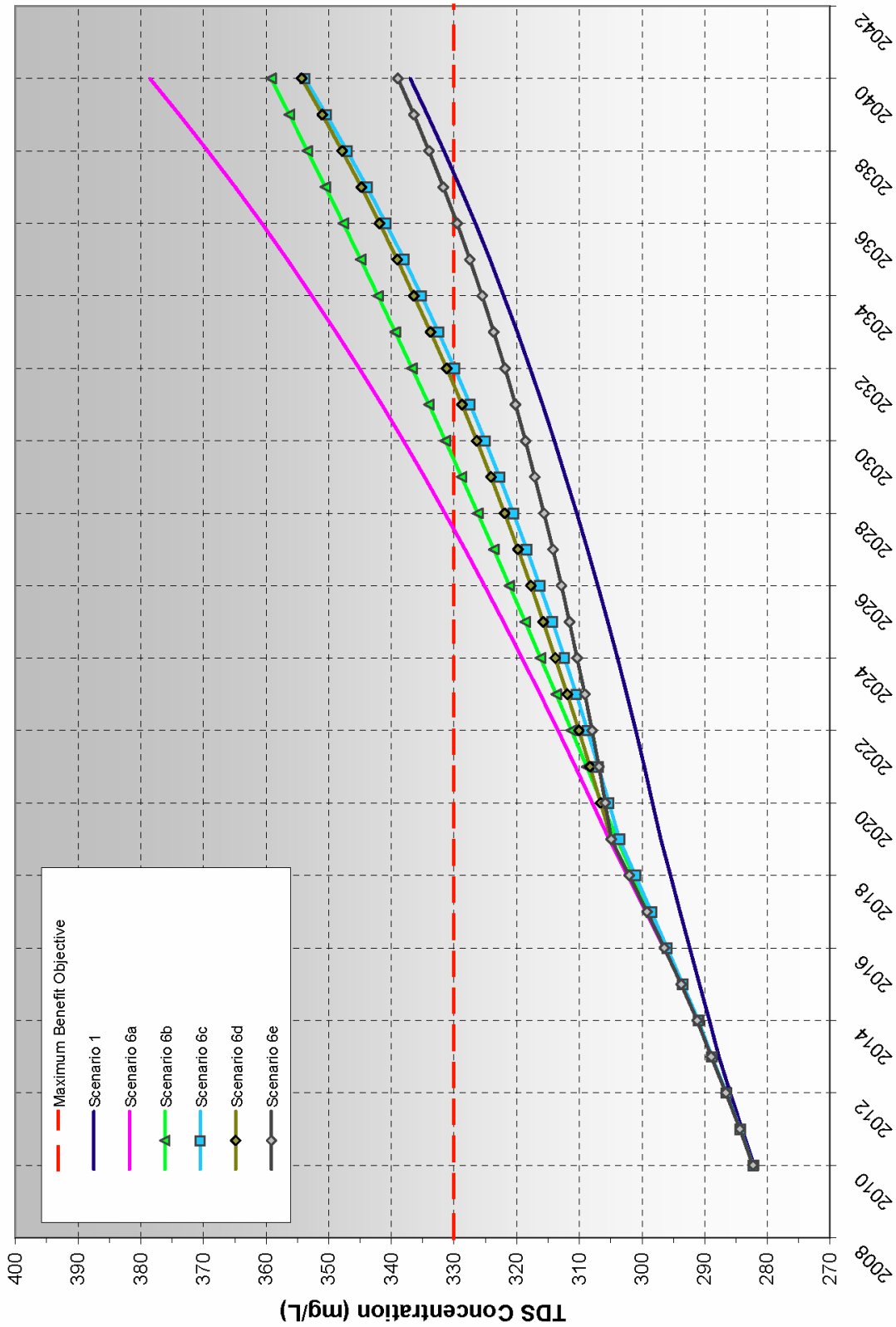
Summary Tables -- Figure 4

Figure 5
Nitrate-Nitrogen Projections for the Beaumont Management Zone -- Scenarios 1 through 6a



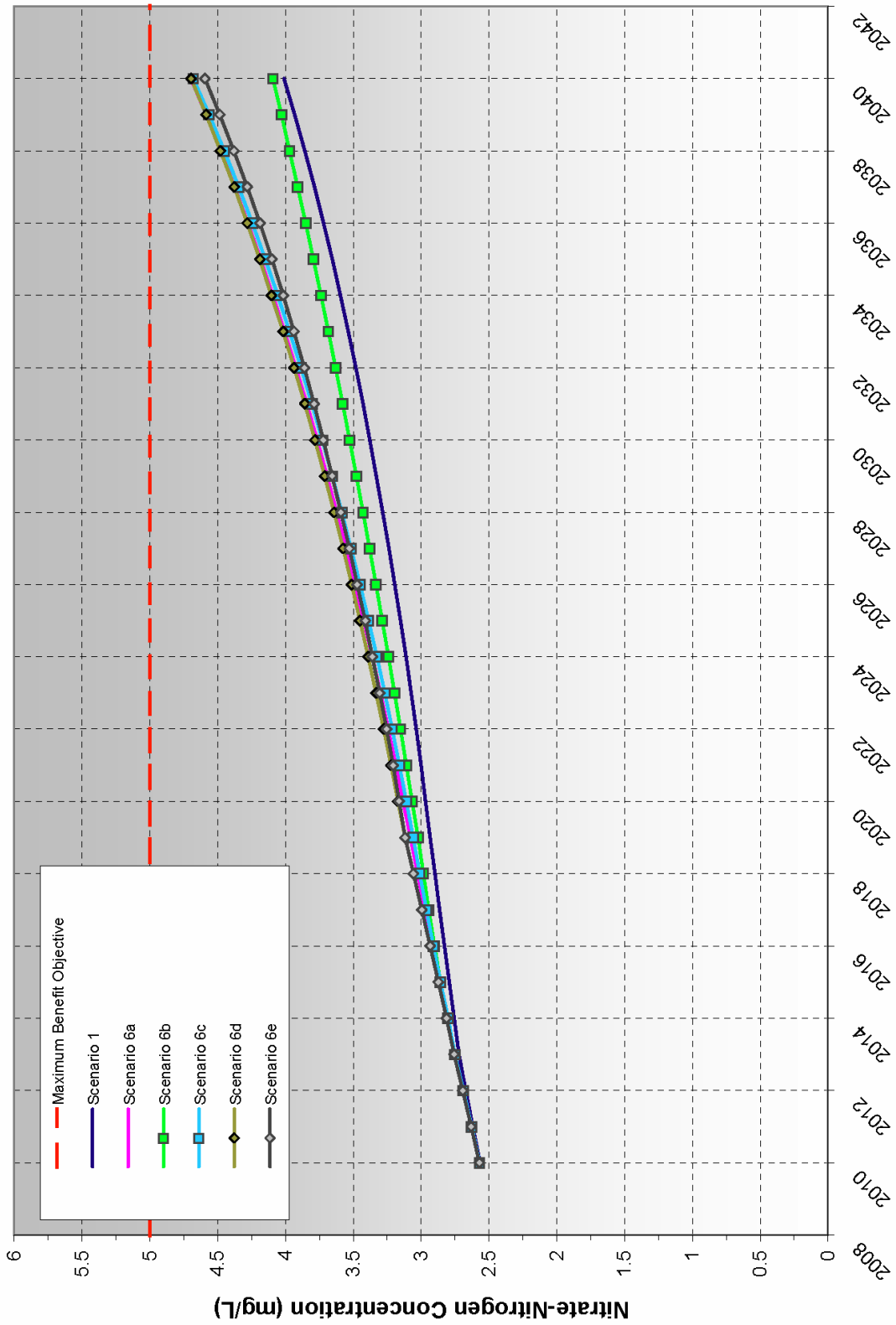
Summary Tables -- Figure 5

Figure 6
TDS Projections for the Beaumont Management Zone -- Scenarios 6a through 6e



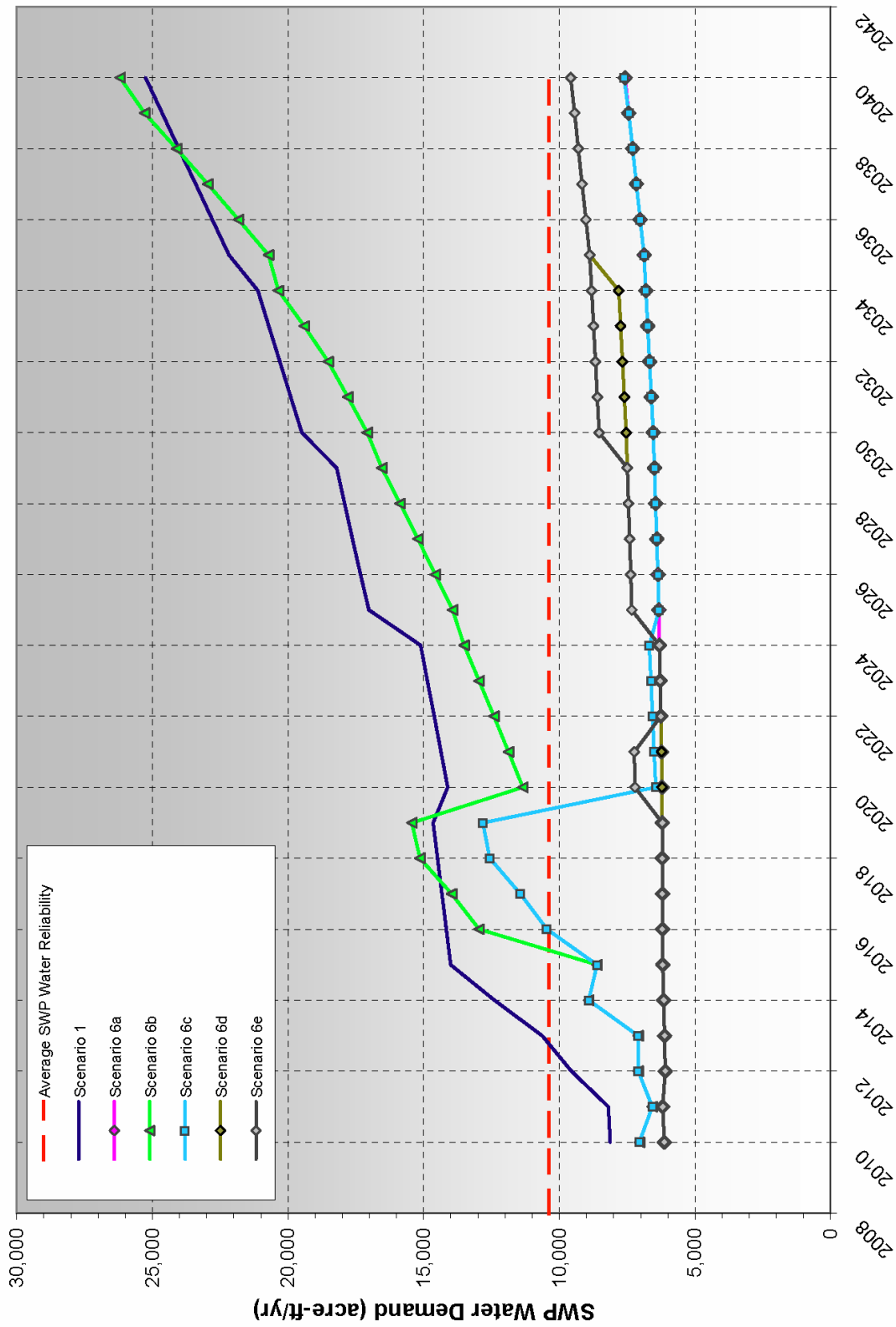
Summary Tables -- Figure 6

Figure 7
Nitrate-Nitrogen Projections for the Beaumont Management Zone -- Scenarios 6a through 6e



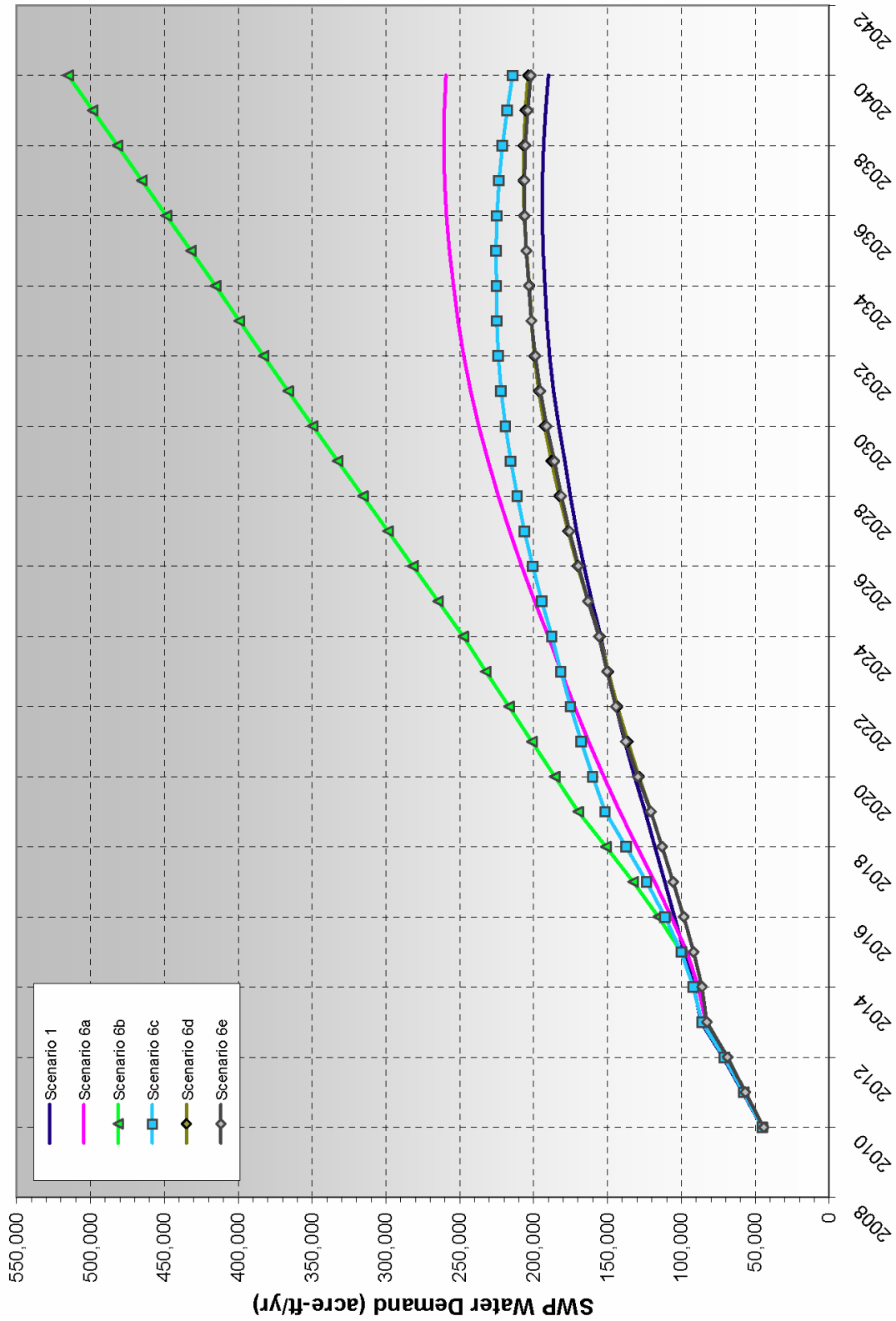
Summary Tables -- Figure 7

Figure 8
Projected SWP Water Demands in the Beaumont Management Zone -- Scenarios 6a through 6e



Summary Tables -- Figure 8

Figure 9
Projected Volume of Water in Storage Accounts -- Scenarios 6a through 6e



Summary Tables -- Figure 9



Date: May 18, 2011

Job: 88-5396

Prepared By: Joseph Zoba, General Manager

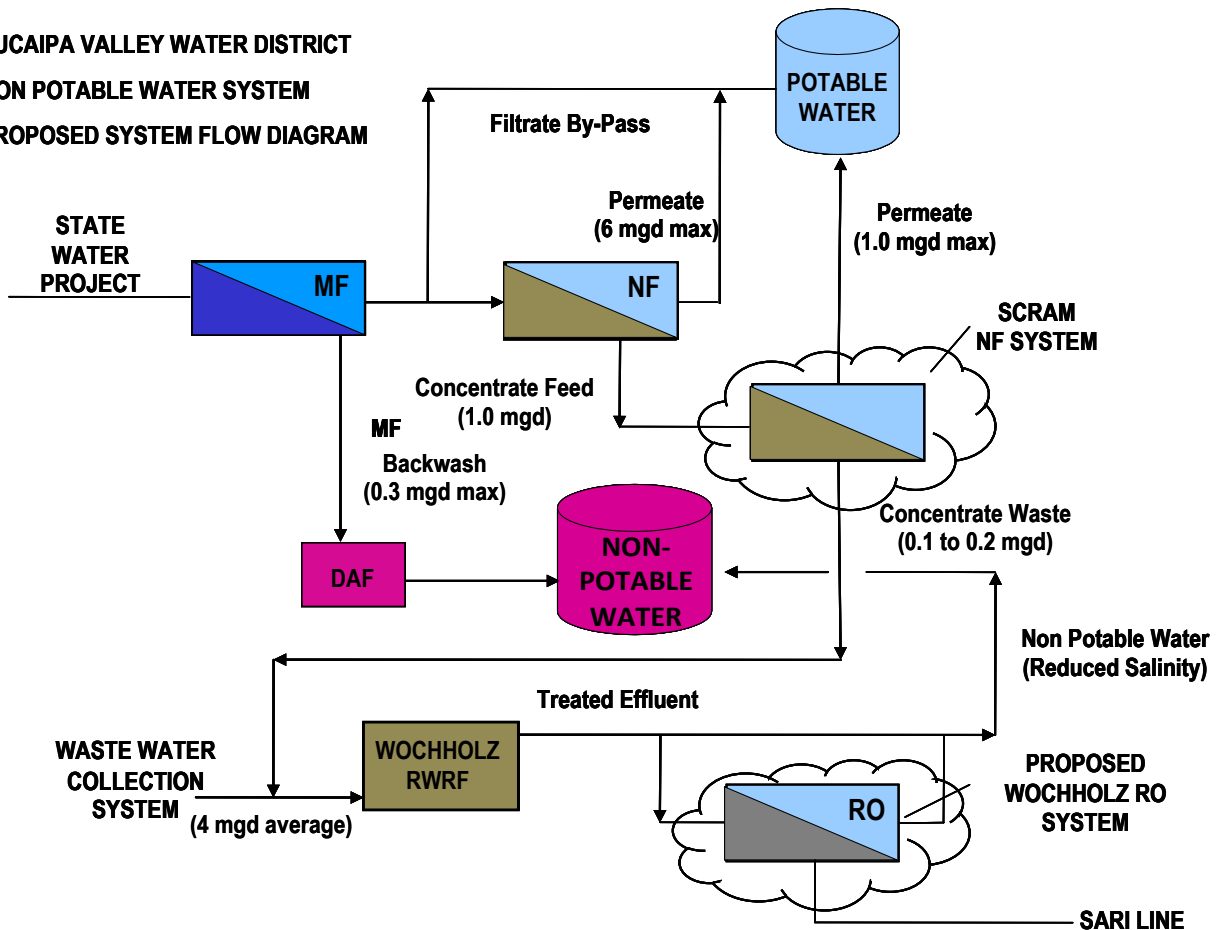
G/L: 03-5-06-54109

Subject: Preliminary Engineering Analysis of the Wochholz Improved Salinity Effluent (WISE) Project

Recommendation: That the Board authorizes the approval of Amendment No. 2 to Task Order No. 13 with Separation Processes in the amount of \$50,000 for CAD design of the WISE Project at the Wochholz Regional Water Recycling Project.

At the board workshop on June 29, 2010, the board members reviewed a proposed contract with SPI for the CAD design efforts associated with the construction of a 2.5 mgd reverse osmosis treatment system at the Wochholz Regional Water Recycling Facility. The concept of the project is defined in the attached proposal.

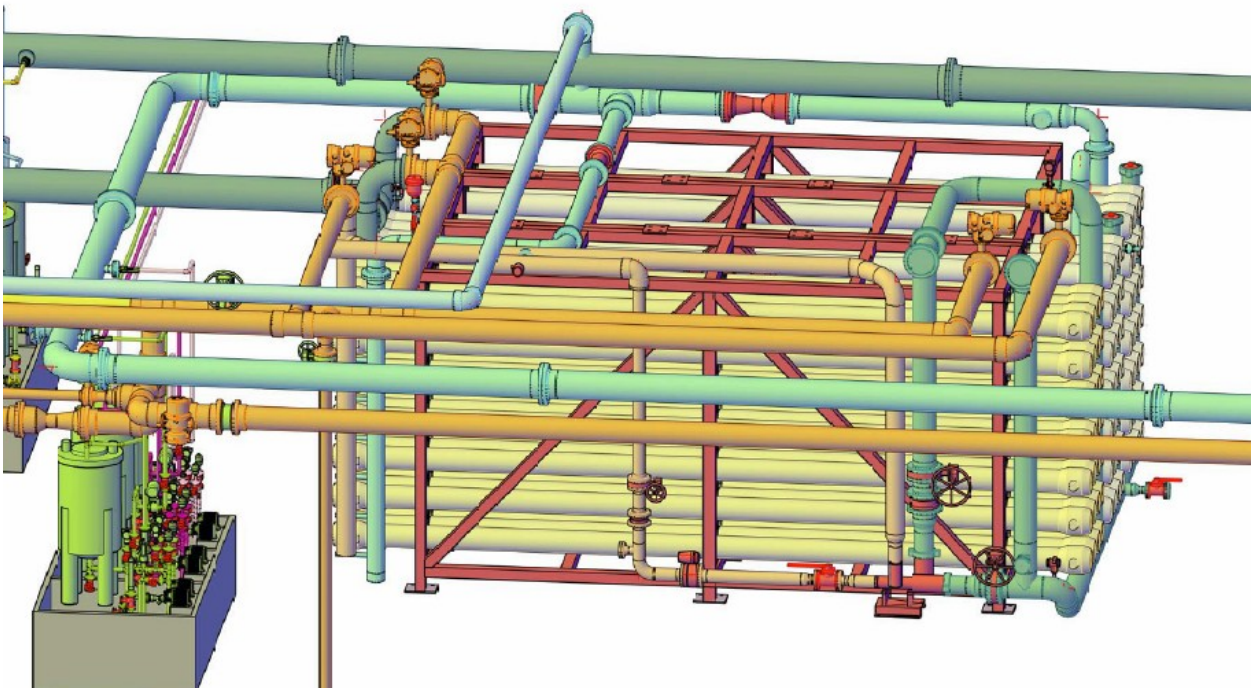
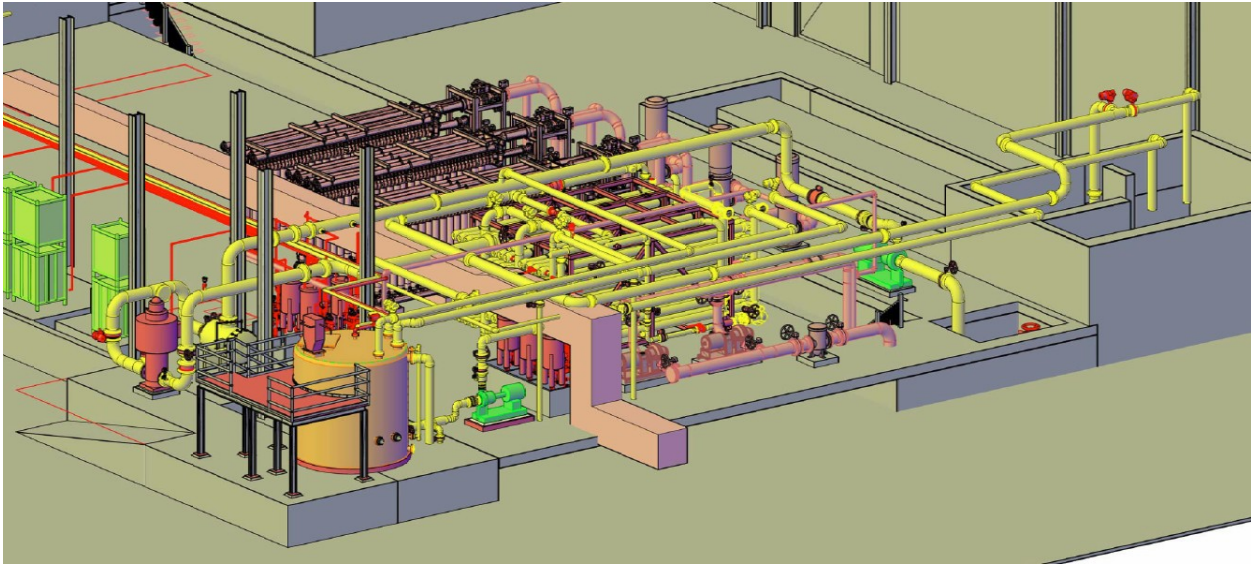
YUCAIPA VALLEY WATER DISTRICT
NON POTABLE WATER SYSTEM
PROPOSED SYSTEM FLOW DIAGRAM

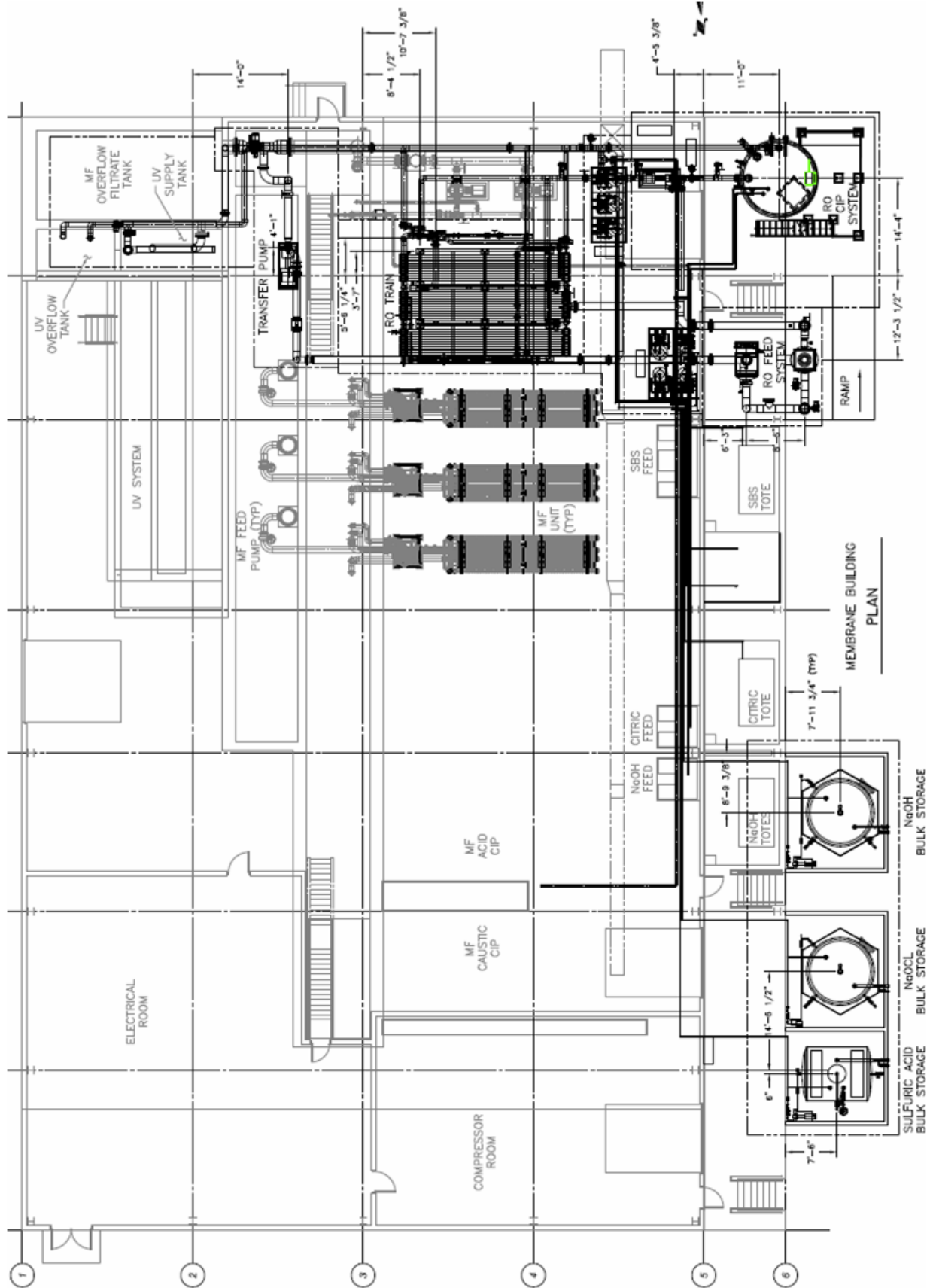


At the conclusion of this contract, the District will have completed the following progress on this project:

- Process and Instrumentation Diagrams - 90 percent;
- Overall Mechanical Design - 60 percent;
- Reverse Osmosis Train Mechanical Details - 90 percent.

Additionally, the contract will provide a refined cost estimate for the project and allow the District to proceed with grant and funding opportunities for this important facility.







**INDEPENDENT CONTRACTOR'S TASK ORDER
ISSUED TO SEPARATION PROCESSES, INC.**

AMENDMENT NO. 2 to TASK ORDER NO. 13

Project Title: Wochholz Improved Salinity Effluent (WISE) Project

YVWD Project Number: 88-197 – WISE at the WRWRF (WO 88-5396)

Task Order Authorization Date: August 5, 2009 Director Memorandum No. 09-086

Amendment No. 1 July 7, 2010 - Director Memorandum No. 10-050

Amendment No. 2 May 18, 2011 - Director Memorandum No. 11-046

Contractor Name: Separation Processes, Inc.
Contact: Mr. Jim Vickers
Address: 3156 Lionshead Ave. Suite 2
 Carlsbad, California 92010
Telephone: (760) 400-3660
E-mail: jvickers@spi-engineering.com
Fed. Tax ID #: 33-0283288

SUMMARY OF TASK ORDER:

Description	Amount	Reference
Original Contract Amount	\$32,500	Director Memorandum No. 09-086
Amendment No. 1	\$78,132	Director Memorandum No. 10-050
Amendment No. 2	\$50,000	Director Memorandum No. 11-046
Task Order Total	\$160,632	

This AMENDMENT NO. 2 to TASK ORDER No. 13 is issued pursuant to that certain Agreement for Services by Independent Contractor between the YUCAIPA VALLEY WATER DISTRICT ("OWNER") and Separation Processes, INC. (CONTRACTOR") dated February 7, 2001 (the "AGREEMENT"). The OWNER and CONTRACTOR have entered into this TASK ORDER as specifically set forth herein below, and except as specifically provided herein, the AGREEMENT shall remain in full force and effect as originally stated.

1. Tasks to be Performed & Compensation. CONTRACTOR shall provide all labor, materials and equipment to perform the following task (check one):

X See the attached Proposal for Engineering Services dated June 23, 2010.

IN WITNESS WHEREOF, the parties have executed this Amendment to Task Order No. 13 on the date indicated below.

Yucaipa Valley Water District

Separation Processes, Inc.

By: _____

By: _____

Dated: May 18, 2011

Dated: _____

Name: Jay Bogh, Board President

Name: _____



The Membrane Technology Consultants

Separation Processes, Inc.
3156 Lionshead Ave., Suite #2
Carlsbad, CA 92010
Tel: 760-400-3660
Fax: 760-400-3661
www.spi-engineering.com

May 2, 2011

Joseph B. Zoba
General Manager
Yucaipa Valley Water District
12770 Second Street
Yucaipa, CA 92399

Subject: Proposal for Engineering Services
Wochholz Regional Water Reclamation Facility
WISE RO CAD Design Effort – Additional Funding Request – Task 10

Dear Mr. Zoba:

Separation Processes, Inc. (SPI) is pleased to submit the following engineering package to the District in order to fulfill the requirements of SPI project 2607. The engineering package contains 56 drawing and specifications. The following breakdown is provided.

- General Arrangement Drawings (3)
- Demolition Drawings (2)
- Mechanical Drawings (21)
- Process and Instrumentation Drawing (30)

At this time, SPI would like to request an amendment to Task 10 in the amount of 50,000 dollars in order to allow us to further develop the engineering drawings and specifications for the project. The reasoning behind this request is explained in the following paragraphs.

First, a brief review of the project history is as follows:

- SPI submitted a proposal of \$347,590 to complete the WISE Project in October 2009
- The above proposal contained \$220,890 of SPI performed work.
- The District authorized work in the amount of \$78,132 in July 2010.

Work in the amount of \$78,132 was authorized by the District in July of last year. The work involved the CAD design of a RO system at the Wochholz Regional Water Reclamation Facility (WRWRF) to reduce the amount of total dissolved solids (TDS) in the Districts' effluent. SPI goal was to begin the preparation of mechanical drawings, P&ID's for construction.

At the direction of the District, the work was paced to meet the Districts' schedule (which has been extended) and SPI's offer included CAD design at a reduced billing rate to allow the design

May 2, 2011
Joseph B. Zoba
Subject: WISE RO CAD Design Effort
Page 2



to proceed. This offer was intended to address project needs and resource availability in a manner that will mutually benefit both organizations and maintain the project objectives. Under this approach a traditional, percentage of completion matrix is as follows

- Process and Instrumentation Diagrams - 90 percent
- Overall Mechanical Design – 60 percent
- RO Train Mechanical Details – 90 percent.

CURRENT STATUS

As the work proceeded, we found it necessary to compile preliminary project specifications so that equipment selection and sizing was captured and incorporated into the design effort. Our internal assessment is that the project is on schedule, although all of the detail sheets for the RO train have not been started. Typically these sheets are developed after the train design has been finalized, so we are at the point where this work could begin.

We found the arrangement of work beneficial to SPI's internal manpower and resource loading requirements, as the open ended schedule allowed us to fit the work in amongst other activities. We believe that this approach will provide an overall cost saving to the District in the range of 15 percent (e.g. a reduction in SPI's initial estimate of about 15 percent, or 30,000 dollars), and may yield additional benefits to sub-consultants, as they will be able to complete their work with near complete drawings. As such we are able to continue the reduced rate for CAD design effort.

It would be our intention to obtain revised pricing from sub-consultants for the project using the available drawings to obtain final pricing to the District.

PROJECT STAFF

For this Project, I will be the project manager, with incidental assistance from other SPI staff including Jill Chlebeck, PE and Silvana Ghiu, PhD.

TERMS OF PROPOSAL

The terms of our proposal are as follows:

- The Proposal would be a Task Order extension of the existing Master Services Agreement.
- The Proposal is valid for a period of 30 days.
- The work follows District and SPI engineering, specification and CAD standards.
- The majority of the design work would be completed within calendar year 2011.

May 2, 2011
Joseph B. Zoba
Subject: WISE RO CAD Design Effort
Page 3



- The District provides timely review of intermediate deliverables.
- The District participates in Design review and progress meetings.
- Payment within 30 days after invoicing is appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "James C. Vickers", is written over the typed name. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James C. Vickers, PE

Vice President

DIRECTOR COMMENTS

ANNOUNCEMENTS