

**A REGULAR MEETING  
OF THE  
SAN GABRIEL BASIN WATER QUALITY AUTHORITY  
AT  
1720 W. CAMERON AVENUE, SUITE 100  
WEST COVINA, CALIFORNIA  
WEDNESDAY, APRIL 17, 2019 AT 12:00 P.M.**

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**AGENDA**

**I. CALL TO ORDER** **MARQUEZ**

**II. PLEDGE OF ALLEGIANCE**

**III. ROLL CALL OF BOARD/COMMITTEE MEMBERS** **MORENO**

Jorge Marquez	_____	_____	(alt)
Bob Kuhn	_____	_____	(alt)
Tim Miller	_____	_____	(alt)
Valerie Munoz	_____	_____	(alt)
Mike Whitehead	_____	_____	(alt)
Mark Paulson	_____	_____	(alt)
Ed Chavez	_____	_____	(alt)

**IV. PUBLIC COMMENTS (Agendized Matters Only):** **MARQUEZ**  
As provided under Government Code Section 54954.3, this time has been set aside for persons in the audience to provide comment or make inquiries on matters appearing on this Special Meeting agenda only. Please complete the appropriate request card and submit it to the Secretary, prior to the item being heard. A five-minute time limit on remarks is requested.

**V. ITEMS TOO LATE TO BE AGENDIZED - Recommended Action:** **MARQUEZ**  
Approve motion determining need to take action on item(s) which arose subsequent to posting of the Agenda (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board or, if less than two-thirds of Board members are present, a unanimous vote)

**VI. WORKSHOP** **SAENZ**

*“Draft Budget for Fiscal Year 2019/2020” [enc]*

**VII. PUBLIC HEARING** **MARQUEZ**

*“Draft Budget for Fiscal Year 2019/2020” [enc]*

## **VIII. CONSENT CALENDAR**

**MARQUEZ**

(Consent items may all be approved by single motion) [enc]

- (a) Minutes for 3/20/19 Regular Board Meeting
- (b) Minutes for 4/9/19 Administrative/Finance Committee – Special Joint Meeting
- (c) Minutes for 4/10/19 Legislative/Public Information Committee – Special Joint Meeting
- (d) Demands on Administrative Fund
- (e) Demands on Project Fund

## **IX. COMMITTEE REPORTS**

(These items may require action)

- (a) Administrative/Finance Committee Report
  - 1. Report on Cash and Investments for 1<sup>st</sup> Quarter 2019 [enc]
- (b) Legislative/Public Information Committee Report
  - 1. Discussion/Action Regarding \$15,000 Grant for Eco Voices Institute Educational Programs [enc]

## **X. ACTION/INFORMATION ITEMS**

**MARQUEZ**

(These items may require action)

- (a) Discussion/Action Regarding WQA Meeting Schedule for May 2019

## **XI. ENGINEER'S REPORT**

**SCHOELLERMAN**

- (a) Project Updates:
  - 1. Baldwin Park Operable Unit
    - Arrow/Lante Well (Subarea 1) Status Operational
    - Monrovia Wells Operational
    - SGVWC B6 Plant Operational
    - SGVWC B5 Plant Operational
    - CDWC Well No. 14 Operational
    - La Puente Valley County Water District Operational
  - 2. El Monte Operable Unit
    - Eastern Shallow Zone Operational
    - Eastern Deep Zone Operational
    - GSWC Encinita Plant Operational
    - Western Shallow Zone Operational
  - 3. South El Monte Operable Unit
    - Whitmore Street. Ground Water Remediation Treatment Facility Operational
    - City of M.P. Well No. 5 VOC Treatment Facility Operational
    - City of M.P. Well No. 12 VOC Treatment Facility Operational

	• City of M.P. Well No. 15	Operational
	• City of M.P. Well Nos. 1, 3, 10 VOC Treatment Facility	Operational
	• GSWC Wells SG-1 & SG-2	Operational
	• SGVWC Plant No. 8	Operational
4.	Puente Valley Operable Unit	
	• Shallow Zone	Design
	• Deep Zone	Design
5.	Area 3 Operable Unit	
	• City of Alhambra Phase 1	Operational
	• City of Alhambra Phase 2	Operational

**XII. ATTORNEY'S REPORT** **PADILLA**

**XIII. EXECUTIVE DIRECTOR'S REPORT** **MANNING**

**XIV. FUTURE AGENDA ITEMS** **MARQUEZ**

**XV. INFORMATION ITEMS [enc]** **MARQUEZ**

- (a) San Gabriel Basin Water Calendar

**XVI. FUTURE BOARD/COMMITTEE MEETINGS** **MARQUEZ**

- (a) The next Administrative/Finance Committee meeting will be held on Tuesday, May 14, 2019 at 10:00 P.M. at WQA
- (b) The next Engineering Committee meeting will be held on Tuesday, May 14, 2019 at 11:00 A.M. at WQA
- (c) The next Legislative/Public Information Committee meeting will be held on Wednesday, May 8, 2019 at 11:00 A.M. at WQA\*  
*\*Consider moving to May 15<sup>th</sup> due to ACWA Conference*
- (d) The next WQA Board meeting will be held on Wednesday, May 15, 2019 at 12:00 P.M. at WQA\*  
*\*Change date to May 22nd to coincide with current Budget/Assessment Schedule*

**XVII. BOARD MEMBERS' COMMENTS/REPORTS** **MARQUEZ**

**XVIII. ADJOURNMENT** **MARQUEZ**

*Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the Authority's business office located at 1720 W. Cameron Ave., Suite 100, West Covina, CA 91790, during regular business hours. When practical, these public records will also be made available on the Authority's internet web site, accessible at [www.wqa.com](http://www.wqa.com).*



# San Gabriel Basin Water Quality Authority

1720 W. Cameron Avenue, Suite 100, West Covina, CA 91790 • 626-338-5555 • Fax 626-338-5775

## AGENDA SUBMITTAL

**To:** WQA Board of Directors  
**From:** Kenneth R. Manning, Executive Director  
**Date:** April 17, 2019  
**Subject:** Budget Workshop for Fiscal Year (FY) 19/20 – Version v1

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### Discussion

The budget for FY 19/20 involves the participation of several interested parties – the WQA Board of Directors, the Water Producers, the Responsible Parties (RPs), the Prescriptive Pumping Rights Holders and the public.

The purpose of the budget is to show project and operating costs for the upcoming fiscal year as well as the revenues necessary to cover those costs. WQA's costs are funded by Responsible Parties (also known as PRPs, or CRs, or RPs), government grants from USBR and EPA, state grants, and assessments that WQA charges on prescriptive pumping rights.

As discussed at the March 20, 2019 Board Meeting and the April 9, 2019 Budget Workshop, WQA is proposing an increase to the assessment from \$10 per acre foot to \$12 per acre foot of prescriptive pumping rights. There are a total of 197,610 acre feet of prescriptive pumping rights in the Basin, so the assessment increase will raise annual assessment funding by \$395,220 for FY 19/20. The need for the increase is largely driven by the availability of Proposition 1 funding grants which require 10 percent to 50 percent in matching funds from the WQA.

The following are WQA projects included in the budget that currently lack a funding source other than assessments.

- The CAA grant for operating the Whitmore Treatment Facility ended September 30, 2018. WQA is continuing to operate it at an estimated annual cost of \$135K - this will need to be funded by assessments.
- Additionally WQA plans to apply for a Proposition 1 grant to expand the Whitmore site within 2 to 3 years – the funding match requirement for that project is estimated to be approximately \$500K.

- WQA has been asked to assist the Regional Board in site remediation investigation projects and is applying for Proposition 1 grants for these projects. The funding match is projected to be approximately \$50K to \$250K per year.
- The Site Remediation Investigation projects could lead to future remediation projects that would be funded by Proposition 1 grants and could require up to \$500K as WQA's match.

All total, implementing these projects will require additional assessments ranging from \$235K to \$650K per year for at least the next five years.

The WQA is holding its second Budget Workshop today. If there are any changes or comments received, these may be incorporated into the draft budget and presented at the May 14, Administrative/Finance Committee meeting.

#### **Recommendations / Proposed Actions**

- Discuss options for the assessment increase and approve the Draft Budget.

#### **Attachments**

*2019/2020 Budget and Assessment Schedule*  
*FY 19/20 Draft Budget v1, dated 3/12/2019*

**SAN GABRIEL BASIN WATER QUALITY AUTHORITY  
BUDGET SUMMARY  
FOR FISCAL YEAR ENDING JUNE 30, 2020**

*Draft v1 dated 3-12-19*

LINE ITEMS	Other Projects	Baldwin Park Operable Unit	El Monte Area Operable Unit	So. El Monte Operable Unit	Puente Valley Operable Unit	Area Three Operable Unit	Administration	Total Project Budget
	(3 Projects)	(9 Projects)	(5 Projects)	(10 Projects)	(3 Projects)	(1 Project)		
<b><u>CAPITAL COSTS</u></b>	<b><u>\$4,750,033</u></b>	<b><u>\$3,385,818</u></b>	<b><u>\$83,000</u></b>	<b><u>\$563,083</u></b>	<b><u>\$8,485,100</u></b>	<b><u>\$23,000</u></b>	<b><u>\$0</u></b>	<b><u>\$17,290,034</u></b>
WQA Salaries	1,000	0	0	40,000	4,500	0		45,500
WQA Benefits	333	0	0	13,283	1,500	0	0	15,116
WQA Overhead	500	0	0	20,000	2,250	0	0	22,750
Project Planning & Design	0	0	0	15,000	0	0		15,000
Design	0	0	0	0	0	0	0	0
Legal/Mediation	0	0	0	0	0	0	0	0
Government Relations	16,000	273,000	59,500	86,200	34,800	19,400	0	488,900
Community Relations	11,200	33,500	18,500	37,100	11,200	3,600	0	115,100
Postage/Supplies/Other	0	0	5,000	1,500	0	0	0	6,500
Project Construction	0	0	0	0	0	0		0
Contractors/Grants	4,721,000	3,079,318	0	350,000	8,430,850	0	0	16,581,168
Site Acquisition	0	0	0	0	0	0	0	0
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$97,950</u></b>	<b><u>\$18,496,094</u></b>	<b><u>\$1,931,658</u></b>	<b><u>\$3,968,050</u></b>	<b><u>\$221,333</u></b>	<b><u>\$11,900</u></b>	<b><u>\$1,148,602</u></b>	<b><u>\$25,875,588</u></b>
WQA Salaries	24,000	119,500	35,000	142,500	25,000	6,500	462,000	814,500
WQA Benefits	7,950	39,478	11,550	47,100	8,333	2,100	149,152	265,664
WQA Overhead	12,000	59,750	17,500	71,250	12,500	3,300	537,450	713,750
Project Services & Supplies	0	0	0	0	0	0		0
Subcontractors	0	0	0	0	0	0	0	0
Consultants	0	50,000	0	27,000	0	0	0	77,000
Legal	0	35,000	0	0	0	0	0	35,000
Utilities	0	0	0	20,000	0	0	0	20,000
Carbon & Supplies	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0
Other (See attached pages)	0	0	1,000	200	500	0	0	1,700
Treatment and Remediation	54,000	18,192,366	1,866,608	3,660,000	175,000	0	0	23,947,974
Costs/Administrative	0	0	0	0	0	0	0	0
<b><u>TOTAL CAPITAL &amp; OPERATING</u></b>	<b><u>\$4,847,983</u></b>	<b><u>\$21,881,912</u></b>	<b><u>\$2,014,658</u></b>	<b><u>\$4,531,133</u></b>	<b><u>\$8,706,433</u></b>	<b><u>\$34,900</u></b>	<b><u>\$1,148,602</u></b>	<b><u>\$43,165,622</u></b>
<b><u>REVENUES</u></b>	<b><u>\$4,847,983</u></b>	<b><u>\$21,881,912</u></b>	<b><u>\$2,014,658</u></b>	<b><u>\$4,531,133</u></b>	<b><u>\$8,706,433</u></b>	<b><u>\$34,900</u></b>	<b><u>\$1,148,602</u></b>	<b><u>\$43,165,622</u></b>
Rest. Fund/Title XVI/PRPs/Producers								
Restoration Funds (RF)	589,000	0	150,000	0	800,000	0	0	1,539,000
Title XVI (XVI)	0	0	0	0	0	0	0	0
Potentially Responsible Parties	0	19,542,739	1,716,608	0	7,805,850	0	0	29,065,197
Water Producers (PROD)	1,821,000	1,002,440	0	1,700,000	0	0	0	4,523,440
State - SWRCB/Prop 84/Prop 1	2,365,000	1,100,000	0	329,750	0	0	0	3,794,750
SEMOU Cooperative Agreement	0	0	0	1,373,000	0	0	0	1,373,000
SEMOU Settlement Funding	0	0	0	452,000	0	0	0	452,000
Interest income	0	0	0	0	0	0	120,000	120,000
Other Income	0	0	0	0	0	0	0	0
WQA Assessment	72,983	236,733	148,050	676,383	100,583	34,900	1,028,602	2,298,235
<b><u>ASSESSMENT RESERVE</u></b>								
<i>Reserve balance from FY 2017-18</i>								1,612,156
<i>Projected reserve increase from Assessments for FY 2018-19</i>								(53,607)
<i>Projected reserve balance for FY 2018-19</i>								<b>1,558,549</b>
<i>WQA Assessments Collected @ \$12 acre foot</i>								2,371,320
<i>WQA 19-20 Budgeted Costs Funded By Assessments</i>								(2,298,235)
<i>Projected Assessment Reserve for FY 19-20</i>								<b>1,631,634</b>
<b><u>WQA ASSESSMENT SUMMARY - "See Annotation 33, page 52"</u></b>								
WQA ASSESSMENT FOR FY 2019-20								<b><u>\$2,371,320</u></b>
WQA ASSESSMENT PER ACRE FOOT								<b><u>\$12</u></b>

**OTHER - GENERAL**  
(See Annotation No. 1 Page 42)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$26,808</u></b>	<b><u>\$27,200</u></b>	<b><u>\$25,600</u></b>	<b><u>\$27,200</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations	15,804	16,000	14,100	16,000
Community Relations	11,004	11,200	11,500	11,200
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$16,899</u></b>	<b><u>\$16,500</u></b>	<b><u>\$15,638</u></b>	<b><u>\$16,500</u></b>
WQA Salaries	9,235	9,000	8,546	9,000
WQA Benefits	3,047	3,000	2,820	3,000
WQA Overhead	4,617	4,500	4,272	4,500
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other ( Escrow Fees)				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$43,707</u></b>	<b><u>\$43,700</u></b>	<b><u>\$41,238</u></b>	<b><u>\$43,700</u></b>
<b><u>REVENUES</u></b>	<b><u>\$43,707</u></b>	<b><u>\$43,700</u></b>	<b><u>\$41,238</u></b>	<b><u>\$43,700</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	43,707	43,700	41,238	43,700

**City of South Pasadena- Wilson Reservoir Treatment**  
(See Annotation No. 2 Page 43)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$1,179,833</u></b>	<b><u>\$0</u></b>	<b><u>\$2,357,833</u></b>
WQA Salaries		1,000		1,000
WQA Benefits		333		333
WQA Overhead		500		500
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants		1,178,000		2,356,000
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other ( Escrow Fees)				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$0</u></b>	<b><u>\$1,179,833</u></b>	<b><u>\$0</u></b>	<b><u>\$2,357,833</u></b>
<b><u>REVENUES</u></b>	<b><u>\$0</u></b>	<b><u>\$1,179,833</u></b>	<b><u>\$0</u></b>	<b><u>\$2,357,833</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		294,500		589,000
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)		883,500		1,767,000
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment		1,833		1,833



# SGVWC PLANT 11

(See Annotation No. 2 Page 43)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	54,000	54,000	54,000	54,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>	<b><u>\$54,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)			0	
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)	54,000	54,000	54,000	54,000
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

# WHITTIER NARROWS OPERABLE UNIT

(See Annotation No. 2 Page 43)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$2,365,000</u></b>	<b><u>\$0</u></b>	<b><u>\$2,365,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants		2,365,000		2,365,000
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$15,365</u></b>	<b><u>\$18,300</u></b>	<b><u>\$23,685</u></b>	<b><u>\$27,450</u></b>
WQA Salaries	8,400	10,000	12,919	15,000
WQA Benefits	2,770	3,300	4,306	4,950
WQA Overhead	4,195	5,000	6,459	7,500
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$15,365</u></b>	<b><u>\$2,383,300</u></b>	<b><u>\$23,685</u></b>	<b><u>\$2,392,450</u></b>
<b><u>REVENUES</u></b>	<b><u>\$15,365</u></b>	<b><u>\$2,383,300</u></b>	<b><u>\$23,685</u></b>	<b><u>\$2,392,450</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)			0	
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1		2,365,000		2,365,000
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	15,365	18,300	23,685	27,450

# BALDWIN PARK AREA OPERABLE UNIT - GENERAL

(See Annotation No. 1 Page 42)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$301,284</u></b>	<b><u>\$306,500</u></b>	<b><u>\$302,600</u></b>	<b><u>\$306,500</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations	268,274	273,000	268,100	273,000
Community Relations	33,010	33,500	34,500	33,500
Postage/Supplies/Other	0	0	0	0
Project Construction	0	0	0	0
Contractors/Project Grants	0	0	0	0
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$758,105</u></b>	<b><u>\$809,426</u></b>	<b><u>\$743,332</u></b>	<b><u>\$958,258</u></b>
WQA Salaries	81,677	112,000	73,260	112,000
WQA Benefits	26,954	37,000	24,383	37,000
WQA Overhead	40,839	56,000	36,630	56,000
Project Services & Supplies	0	0	0	0
Subcontractors	0	0	0	0
Consultants	0	0	40,000	50,000
Legal	5,737	40,000	25,000	35,000
Utilities	0	0	0	0
Carbon & Supplies	0	0	0	0
Equipment	0	0	0	0
Other ( Escrow Fees)	0	0	0	0
Treatment and Remediation	602,898	564,426	544,059	668,258
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$1,059,389</u></b>	<b><u>\$1,115,926</u></b>	<b><u>\$1,045,932</u></b>	<b><u>\$1,264,758</u></b>
<b><u>REVENUES</u></b>	<b><u>\$1,059,389</u></b>	<b><u>\$1,175,926</u></b>	<b><u>\$1,045,932</u></b>	<b><u>\$1,264,758</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)	0	0	0	0
Title XVI (XVI)	0	0	0	0
Potentially Responsible Parties (PRP)	749,292	966,026	837,303	1,029,858
Water Producers (PROD)		0		
State - SWRCB/Prop 84/Prop 1		0		
SEMOU Cooperative Agreement		0		
Settlement Funding		0		
Interest income		0		
Other Income		0		
WQA Assessment	310,096	209,900	208,629	234,900

The costs shown on this schedule include costs for Projects that are included in the BPOU Agreement and also for Projects that are not included in the BPOU Agreement. See the next two pages for cost details for each.

# BALDWIN PARK AREA OPERABLE UNIT - GENERAL: BPOU COMMITTEE

(See Annotation No. 1 Page 42)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$271,334</u></b>	<b><u>\$274,600</u></b>	<b><u>\$272,300</u></b>	<b><u>\$274,600</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations	249,274	252,300	249,300	252,300
Community Relations	22,060	22,300	23,000	22,300
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$732,969</u></b>	<b><u>\$787,426</u></b>	<b><u>\$722,903</u></b>	<b><u>\$936,258</u></b>
WQA Salaries	67,942	100,000	62,097	100,000
WQA Benefits	22,421	33,000	20,699	33,000
WQA Overhead	33,971	50,000	31,048	50,000
Project Services & Supplies				
Subcontractors				
Consultants			40,000	50,000
Legal	5,737	40,000	25,000	35,000
Utilities				
Carbon & Supplies				
Equipment				
Other ( Escrow Fees)/Misc			0	
Treatment and Remediation	602,898	564,426	544,059	668,258
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$1,004,303</u></b>	<b><u>\$1,062,026</u></b>	<b><u>\$995,203</u></b>	<b><u>\$1,210,858</u></b>
<b><u>REVENUES</u></b>	<b><u>\$1,004,303</u></b>	<b><u>\$1,122,026</u></b>	<b><u>\$995,203</u></b>	<b><u>\$1,210,858</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	749,292	966,026	837,303	1,029,858
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	255,011	156,000	157,900	181,000

The above schedule reflects costs for Projects included in  
the BPOU Agreement

# BALDWIN PARK AREA OPERABLE UNIT - GENERAL: NON-COMMITTEE PROJECTS

(See Annotation No. 1 Page 42)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$29,950</u></b>	<b><u>\$31,900</u></b>	<b><u>\$30,300</u></b>	<b><u>\$31,900</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations	19,000	20,700	18,800	20,700
Community Relations	10,950	11,200	11,500	11,200
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$25,135</u></b>	<b><u>\$22,000</u></b>	<b><u>\$20,429</u></b>	<b><u>\$22,000</u></b>
WQA Salaries	13,735	12,000	11,163	12,000
WQA Benefits	4,533	4,000	3,684	4,000
WQA Overhead	6,868	6,000	5,582	6,000
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other ( Escrow Fees)				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$55,085</u></b>	<b><u>\$53,900</u></b>	<b><u>\$50,729</u></b>	<b><u>\$53,900</u></b>
<b><u>REVENUES</u></b>	<b><u>\$55,085</u></b>	<b><u>\$53,900</u></b>	<b><u>\$50,729</u></b>	<b><u>\$53,900</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)		0		0
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	55,085	53,900	50,729	53,900

The above schedule reflects costs for Projects that are not  
included in the BPOU Agreement

# BALDWIN PARK AREA OPERABLE UNIT - LPVCWD

(See Annotation No. 3 Page 44)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$1,409,987</u></b>	<b><u>\$1,563,472</u></b>	<b><u>\$1,436,511</u></b>	<b><u>\$1,443,247</u></b>
WQA Salaries		1,000		1,000
WQA Benefits		330		330
WQA Overhead		500		500
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation	1,409,987	1,561,642	1,436,511	1,441,417
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$1,409,987</u></b>	<b><u>\$1,563,472</u></b>	<b><u>\$1,436,511</u></b>	<b><u>\$1,443,247</u></b>
<b><u>REVENUES</u></b>	<b><u>\$1,409,987</u></b>	<b><u>\$1,563,472</u></b>	<b><u>\$1,436,511</u></b>	<b><u>\$1,443,247</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)			0	
Title XVI (XVI)			0	
Potentially Responsible Parties (PRP)	1,409,987	1,563,472	1,436,511	1,443,247
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

**BALDWIN PARK AREA OPERABLE UNIT - SGVWC PLANT B6**  
(See Annotation No. 4 Page 44)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$2,194,800</u></b>	<b><u>\$0</u></b>	<b><u>\$1,945,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants		2,194,800		1,945,000
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$5,033,725</u></b>	<b><u>\$4,280,148</u></b>	<b><u>\$4,551,729</u></b>	<b><u>\$4,650,319</u></b>
WQA Salaries		1,500		1,500
WQA Benefits		495		495
WQA Overhead		750		750
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation	5,033,725	4,277,403	4,551,729	4,647,574
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$5,033,725</u></b>	<b><u>\$6,474,948</u></b>	<b><u>\$4,551,729</u></b>	<b><u>\$6,595,319</u></b>
<b><u>REVENUES</u></b>	<b><u>\$5,033,725</u></b>	<b><u>\$6,474,948</u></b>	<b><u>\$4,551,729</u></b>	<b><u>\$6,595,319</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	5,033,725	5,374,948	4,551,729	5,495,319
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1		1,100,000		1,100,000
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

**BALDWIN PARK AREA OPERABLE UNIT - CDWC WELL 14**  
(See Annotation No. 5 Page 44)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$259,588</u></b>	<b><u>\$794,572</u></b>	<b><u>\$9,567</u></b>	<b><u>\$393,881</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction	0			
Contractors/Project Grants	259,588	794,572	9,567	393,881
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$1,808,979</u></b>	<b><u>\$1,988,542</u></b>	<b><u>\$1,783,718</u></b>	<b><u>\$1,674,680</u></b>
WQA Salaries		1,000		1,000
WQA Benefits		330		330
WQA Overhead		500		500
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation	1,808,979	1,986,712	1,783,718	1,672,850
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$2,068,567</u></b>	<b><u>\$2,783,114</u></b>	<b><u>\$1,793,285</u></b>	<b><u>\$2,068,561</u></b>
<b><u>REVENUES</u></b>	<b><u>\$2,068,567</u></b>	<b><u>\$2,783,114</u></b>	<b><u>\$1,793,285</u></b>	<b><u>\$2,068,561</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)	3,026			
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	2,065,541	2,783,114	1,793,285	2,068,561
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				



**BALDWIN PARK AREA OPERABLE UNIT - SGVWC PLANT B5**  
(See Annotation No. 6 Page 45)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$1,775,000</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants		1,775,000		
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$2,785,172</u></b>	<b><u>\$4,193,281</u></b>	<b><u>\$3,061,617</u></b>	<b><u>\$3,241,192</u></b>
WQA Salaries		1,000		1,000
WQA Benefits		330		330
WQA Overhead		500		500
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation	2,785,172	4,191,451	3,061,617	3,239,362
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$2,785,172</u></b>	<b><u>\$5,968,281</u></b>	<b><u>\$3,061,617</u></b>	<b><u>\$3,241,192</u></b>
<b><u>REVENUES</u></b>	<b><u>\$2,785,172</u></b>	<b><u>\$5,968,281</u></b>	<b><u>\$3,061,617</u></b>	<b><u>\$3,241,192</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	2,785,172	5,968,281	3,061,617	3,241,192
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

# BALDWIN PARK AREA OPERABLE UNIT - VCWD SUB-AREA 1

(See Annotation No. 7 Page 45)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$995,024</u></b>	<b><u>\$740,437</u></b>	<b><u>\$1,168,198</u></b>	<b><u>\$740,437</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants	995,024	740,437	1,168,198	740,437
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$4,332,845</u></b>	<b><u>\$5,040,291</u></b>	<b><u>\$4,187,335</u></b>	<b><u>\$5,173,424</u></b>
WQA Salaries		2,000		2,000
WQA Benefits		660		660
WQA Overhead		1,000		1,000
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation	4,332,845	5,036,631	4,187,335	5,169,764
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$5,327,869</u></b>	<b><u>\$5,780,728</u></b>	<b><u>\$5,355,533</u></b>	<b><u>\$5,913,861</u></b>
<b><u>REVENUES</u></b>	<b><u>\$5,327,869</u></b>	<b><u>\$5,780,728</u></b>	<b><u>\$5,355,533</u></b>	<b><u>\$5,913,861</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		0		
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	5,327,869	5,780,728	5,355,533	5,913,861
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

# BALDWIN PARK AREA OPERABLE UNIT - SWS PLANTS

(See Annotation No. 8 Page 45)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$756,396</u></b>	<b><u>\$326,327</u></b>	<b><u>\$723,778</u></b>	<b><u>\$350,701</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation	756,396	326,327	723,778	350,701
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$756,396</u></b>	<b><u>\$326,327</u></b>	<b><u>\$723,778</u></b>	<b><u>\$350,701</u></b>
<b><u>REVENUES</u></b>	<b><u>\$756,396</u></b>	<b><u>\$326,327</u></b>	<b><u>\$723,778</u></b>	<b><u>\$350,701</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	756,396	326,327	723,778	350,701
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

# BALDWIN PARK AREA OPERABLE UNIT - CDWC WELL 10 TREATMENT WELL

(See Annotation No. 9 Page 45)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$92,308</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants		92,308		0
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$0</u></b>	<b><u>\$92,308</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
<b><u>REVENUES</u></b>	<b><u>\$0</u></b>	<b><u>\$92,308</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		60,000	0	
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	0	32,308	0.0	0
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

**BALDWIN PARK AREA OPERABLE UNIT - COVINA IRRIGATING COMPANY**  
**BALDWIN WELLS PUMPING PLANT**  
(See Annotation No. 10 Page 46)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$752,397</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction	752,397	0	0	
Contractors/Project Grants			0	
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$1,004,270</u></b>	<b><u>\$0</u></b>	<b><u>\$1,004,273</u></b>
WQA Salaries		1,000		1,000
WQA Benefits		330		333
WQA Overhead		500		500
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation		1,002,440		1,002,440
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$752,397</u></b>	<b><u>\$1,004,270</u></b>	<b><u>\$0</u></b>	<b><u>\$1,004,273</u></b>
<b><u>REVENUES</u></b>	<b><u>\$752,397</u></b>	<b><u>\$1,004,273</u></b>	<b><u>\$0</u></b>	<b><u>\$1,004,273</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)	489,058	0	0	
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)	263,339	1,002,440	0	1,002,440
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment		1,833		1,833

# BALDWIN PARK AREA OPERABLE UNIT - VCWD NIXON WELLS TREATMENT

(See Annotation No. 11 Page 46)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
<b><u>REVENUES</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)	0		0	
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

# EL MONTE AREA OPERABLE UNIT - GENERAL

(See Annotation No. 1 Page 42)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$81,795</u></b>	<b><u>\$83,000</u></b>	<b><u>\$79,500</u></b>	<b><u>\$83,000</u></b>
WQA Salaries	0			
WQA Benefits	0		0	
WQA Overhead	0		0	
Project Planning & Design				
Design				
Legal/Mediation	0	0	0	0
Government Relations	59,216	59,500	56,500	59,500
Community Relations	22,007	18,500	23,000	18,500
Postage/Supplies/Other	572	5,000		5,000
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$71,920</u></b>	<b><u>\$55,900</u></b>	<b><u>\$58,373</u></b>	<b><u>\$55,900</u></b>
WQA Salaries	36,627	30,000	31,898	30,000
WQA Benefits	12,087	9,900	10,526	9,900
WQA Overhead	18,314	15,000	15,950	15,000
Project Services & Supplies				
Subcontractors				
Consultants				
Legal	4,892			
Utilities				
Carbon & Supplies				
Equipment				
Other		1,000		1,000
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$153,715</u></b>	<b><u>\$138,900</u></b>	<b><u>\$137,873</u></b>	<b><u>\$138,900</u></b>
<b><u>REVENUES</u></b>	<b><u>\$153,715</u></b>	<b><u>\$138,900</u></b>	<b><u>\$137,873</u></b>	<b><u>\$138,900</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	0	0		
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	153,715	138,900	137,873	138,900

**EL MONTE AREA OPERABLE UNIT- GSWC ENCINITA**  
(See Annotation No. 12 Page 46)

## ESTIMATED COSTS

[illegible]



**EL MONTE AREA OPERABLE UNIT - WESTSIDE SHALLOW REMEDY**  
(See Annotation No. 13 Page 46)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$3,532</u></b>	<b><u>\$614,575</u></b>	<b><u>\$3,586</u></b>	<b><u>\$614,575</u></b>
WQA Salaries	1,930	2,500	1,956	2,500
WQA Benefits	637	825	652	825
WQA Overhead	965	1,250	978	1,250
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation		610,000		610,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$3,532</u></b>	<b><u>\$614,575</u></b>	<b><u>\$3,586</u></b>	<b><u>\$614,575</u></b>
<b><u>REVENUES</u></b>	<b><u>\$3,532</u></b>	<b><u>\$614,575</u></b>	<b><u>\$3,586</u></b>	<b><u>\$614,575</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)		0		
Potentially Responsible Parties (PRP)	0	610,000	0	610,000
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	3,532	4,575	3,586	4,575

**EL MONTE AREA OPERABLE UNIT - ESPSD**  
**EASTSIDE SHALLOW REMEDY**  
(See Annotation No. 14 Page 47)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries			0	
WQA Benefits			0	
WQA Overhead			0	
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$3,143</u></b>	<b><u>\$435,610</u></b>	<b><u>\$0</u></b>	<b><u>\$435,610</u></b>
WQA Salaries	1,717	2,500	0	2,500
WQA Benefits	567	825	0	825
WQA Overhead	859	1,250	0	1,250
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation		431,035		431,035
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$3,143</u></b>	<b><u>\$435,610</u></b>	<b><u>\$0</u></b>	<b><u>\$435,610</u></b>
<b><u>REVENUES</u></b>	<b><u>\$3,143</u></b>	<b><u>\$435,610</u></b>	<b><u>\$0</u></b>	<b><u>\$435,610</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)	0			
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	0	431,035		431,035
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	3,143	4,575	-	4,575

**EL MONTE AREA OPERABLE UNIT - City of El Monte / ESPSD**  
**SOUTHEAST DEEP REMEDY**  
(See Annotation No. 15 Page 47)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$1,233</u></b>	<b><u>\$405,519</u></b>	<b><u>\$0</u></b>	<b><u>\$405,519</u></b>
WQA Salaries	674			
WQA Benefits	222			
WQA Overhead	337			
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation		405,519		405,519
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$1,233</u></b>	<b><u>\$405,519</u></b>	<b><u>\$0</u></b>	<b><u>\$405,519</u></b>
<b><u>REVENUES</u></b>	<b><u>\$1,233</u></b>	<b><u>\$405,519</u></b>	<b><u>\$0</u></b>	<b><u>\$405,519</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		150,000		150,000
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	1,233	255,519	0	255,519
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

# EL MONTE AREA OPERABLE UNIT- City of El Monte Wells 2,10, 12 and 3

(See Annotation No. 16 Page 47)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$235,054</u></b>	<b><u>\$0</u></b>	<b><u>\$235,054</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other				
Treatment and Remediation		235,054		235,054
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$0</u></b>	<b><u>\$235,054</u></b>	<b><u>\$0</u></b>	<b><u>\$235,054</u></b>
<b><u>REVENUES</u></b>	<b><u>\$0</u></b>	<b><u>\$235,054</u></b>	<b><u>\$0</u></b>	<b><u>\$235,054</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				0
Title XVI (XVI)				
Potentially Responsible Parties (PRP)		235,054		235,054
Water Producers (PROD)			0	
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	0	0	0	0

**SO. EL MONTE AREA OPERABLE UNIT - GENERAL**  
(See Annotation No. 1 Page 42)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$113,536</u></b>	<b><u>\$124,800</u></b>	<b><u>\$112,200</u></b>	<b><u>\$124,800</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design (Reg. Board)				
Legal/Mediation				
Government Relations	83,556	86,200	80,000	86,200
Community Relations	29,372	37,100	30,700	37,100
Postage/Supplies/Other(Reg. Board)	608	1,500	1,500	1,500
Project Construction				
Contractors/Project Grants				
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$185,620</u></b>	<b><u>\$195,200</u></b>	<b><u>\$204,372</u></b>	<b><u>\$241,000</u></b>
WQA Salaries	96,342	100,000	111,679	125,000
WQA Benefits	31,793	33,000	36,854	41,300
WQA Overhead	48,171	50,000	55,839	62,500
Project Services & Supplies				
Subcontractors				
Consultants	9,092	12,000		12,000
Legal	222			
Utilities				
Carbon & Supplies				
Equipment				
Other - conference and meetings		200		200
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$299,156</u></b>	<b><u>\$320,000</u></b>	<b><u>\$316,572</u></b>	<b><u>\$365,800</u></b>
<b><u>REVENUES</u></b>	<b><u>\$299,156</u></b>	<b><u>\$320,000</u></b>	<b><u>\$316,572</u></b>	<b><u>\$365,800</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding		225,000		
Interest income				
Other Income				
WQA Assessment	299,156	95,000	316,572	365,800

**SO. EL MONTE AREA OPERABLE UNIT - MONTEREY PARK WELL NO. 12**  
(See Annotation No. 17 Page 48)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$1,016,805</u></b>	<b><u>\$500,000</u></b>	<b><u>\$677,870</u></b>	<b><u>\$675,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	1,016,805	500,000	677,870	675,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$1,016,805</u></b>	<b><u>\$500,000</u></b>	<b><u>\$677,870</u></b>	<b><u>\$675,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$1,016,805</u></b>	<b><u>\$500,000</u></b>	<b><u>\$677,870</u></b>	<b><u>\$675,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement	1,016,805	500,000	677,870	675,000
Settlement Funding				0
Interest income				
Other Income				
WQA Assessment			0	

# SO. EL MONTE AREA OPERABLE UNIT - MONTEREY PARK WELL NO. 15

(See Annotation No. 17 Page 48)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$143,211</u></b>	<b><u>\$155,000</u></b>	<b><u>\$95,474</u></b>	<b><u>\$100,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	143,211	155,000	95,474	100,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$143,211</u></b>	<b><u>\$155,000</u></b>	<b><u>\$95,474</u></b>	<b><u>\$100,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$143,211</u></b>	<b><u>\$155,000</u></b>	<b><u>\$95,474</u></b>	<b><u>\$100,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement	143,211	155,000	95,474	100,000
Settlement Funding				
Interest income				
Other Income				
WQA Assessment			0	

# SO. EL MONTE AREA OPERABLE UNIT - MONTEREY PARK WELL NO. 5

(See Annotation No. 17 Page 48)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$253,893</u></b>	<b><u>\$200,000</u></b>	<b><u>\$169,262</u></b>	<b><u>\$200,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	253,893	200,000	169,262	200,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$253,893</u></b>	<b><u>\$200,000</u></b>	<b><u>\$169,262</u></b>	<b><u>\$200,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$253,893</u></b>	<b><u>\$200,000</u></b>	<b><u>\$169,262</u></b>	<b><u>\$200,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement	253,893	170,000	169,262	200,000
Settlement Funding		30,000		
Interest income				
Other Income				
WQA Assessment			0	



**SO. EL MONTE AREA OPERABLE UNIT - MONTEREY PARK  
CENTRALIZED TREATMENT PLANT**  
(See Annotation No. 18 Page 48)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits			0	
WQA Overhead			0	
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$1,713,750</u></b>	<b><u>\$0</u></b>	<b><u>\$1,713,750</u></b>
WQA Salaries		7,500		7,500
WQA Benefits		2,500		2,500
WQA Overhead		3,750		3,750
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation		1,700,000		1,700,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$0</u></b>	<b><u>\$1,713,750</u></b>	<b><u>\$0</u></b>	<b><u>\$1,713,750</u></b>
<b><u>REVENUES</u></b>	<b><u>\$0</u></b>	<b><u>\$1,713,750</u></b>	<b><u>\$0</u></b>	<b><u>\$1,713,750</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)		1,700,000		1,700,000
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement	0			
Settlement Funding				
Interest income				
Other Income				
WQA Assessment		13,750	0	13,750

**SO. EL MONTE AREA OPERABLE UNIT - MONTEREY PARK WELLS 1,3,10 and Fern**  
(See Annotation No. 17 Page 48)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$402,578</u></b>	<b><u>\$350,000</u></b>	<b><u>\$268,385</u></b>	<b><u>\$350,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	402,578	350,000	268,385	350,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$402,578</u></b>	<b><u>\$350,000</u></b>	<b><u>\$268,385</u></b>	<b><u>\$350,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$402,578</u></b>	<b><u>\$350,000</u></b>	<b><u>\$268,385</u></b>	<b><u>\$350,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding	402,578	350,000	268,385	350,000
Interest income				
Other Income				
WQA Assessment			0	

**SO. EL MONTE AREA OPERABLE UNIT - SGVWC PLANT 8**  
(See Annotation No. 19 Page 48)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$2,250,000</u></b>	<b><u>\$2,006,428</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants		2,250,000	2,006,428	
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$227,631</u></b>	<b><u>\$400,000</u></b>	<b><u>\$236,047</u></b>	<b><u>\$250,915</u></b>
WQA Salaries	297		100	500
WQA Benefits	98		33	165
WQA Overhead	149		50	250
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	227,087	400,000	235,864	250,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$227,631</u></b>	<b><u>\$2,650,000</u></b>	<b><u>\$2,242,475</u></b>	<b><u>\$250,915</u></b>
<b><u>REVENUES</u></b>	<b><u>\$227,631</u></b>	<b><u>\$2,650,000</u></b>	<b><u>\$2,242,475</u></b>	<b><u>\$250,915</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		1,125,000	1,125,000	
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)	0	1,125,000	881,428	
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement	227,631	400,000	235,864	250,000
Settlement Funding				
Interest income				
Other Income				
WQA Assessment		0	183	915

# SO. EL MONTE AREA OPERABLE UNIT - GSWC SG 1 & 2 WELLS

(See Annotation No. 20 Page 48)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$81,458</u></b>	<b><u>\$150,000</u></b>	<b><u>\$65,000</u></b>	<b><u>\$150,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	81,458	150,000	65,000	150,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$81,458</u></b>	<b><u>\$150,000</u></b>	<b><u>\$65,000</u></b>	<b><u>\$150,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$81,458</u></b>	<b><u>\$150,000</u></b>	<b><u>\$65,000</u></b>	<b><u>\$150,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		0		
Title XVI (XVI)				
Potentially Responsible Parties (PRP)			0	
Water Producers (PROD)		0		
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement	81,458	148,000	63,000	148,000
Settlement Funding		2,000	2,000	2,000
Interest income				
Other Income				
WQA Assessment			0	

**SO. EL MONTE AREA OPERABLE UNIT - SGVWC PLANT G4**  
(See Annotation No. 21 Page 48)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$130,411</u></b>	<b><u>\$100,000</u></b>	<b><u>\$80,912</u></b>	<b><u>\$100,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	130,411	100,000	80,912	100,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$130,411</u></b>	<b><u>\$100,000</u></b>	<b><u>\$80,912</u></b>	<b><u>\$100,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$130,411</u></b>	<b><u>\$100,000</u></b>	<b><u>\$80,912</u></b>	<b><u>\$100,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding	130,411	100,000	80,912	100,000
Interest income				
Other Income				
WQA Assessment				

**SO. EL MONTE AREA OPERABLE UNIT  
WHITMORE STREET TREATMENT FACILITY**  
(See Annotation No. 22 Page 49)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$18,671</u></b>	<b><u>\$194,000</u></b>	<b><u>\$118,911</u></b>	<b><u>\$127,450</u></b>
WQA Salaries	3,902		10,334	15,000
WQA Benefits	1,288		3,410	4,950
WQA Overhead	1,951		5,167	7,500
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants	11,530	194,000	100,000	100,000
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$175,624</u></b>	<b><u>\$222,385</u></b>	<b><u>\$175,255</u></b>	<b><u>\$187,385</u></b>
WQA Salaries	8,007	9,500	12,680	9,500
WQA Benefits	2,642	3,135	4,200	3,135
WQA Overhead	4,004	4,750	6,300	4,750
Project Services & Supplies				
Subcontractors				
Consultants		15,000		15,000
Legal				
Utilities (So Cal Edison & Verizon broadband)	14,083	20,000	17,752	20,000
Carbon & Supplies				
Equipment				
Other (permits)	20,208			
Treatment and Remediation	126,680	170,000	134,323	135,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$194,295</u></b>	<b><u>\$416,385</u></b>	<b><u>\$294,166</u></b>	<b><u>\$314,835</u></b>
<b><u>REVENUES</u></b>	<b><u>\$194,295</u></b>	<b><u>\$416,385</u></b>	<b><u>\$294,166</u></b>	<b><u>\$314,835</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		125,000		
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1	152,454	185,713	78,300	50,000
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	41,841	105,672	215,866	264,835

**SO. EL MONTE AREA OPERABLE UNIT  
REGIONAL SITE INVESTIGATION - Phase 2-Type**  
(See Annotation No. 23 Page 49)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$7,455</u></b>	<b><u>\$0</u></b>	<b><u>\$42,933</u></b>	<b><u>\$310,833</u></b>
WQA Salaries			15,264	25,000
WQA Benefits			5,037	8,333
WQA Overhead			7,632	12,500
Project Planning & Design				15,000
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants	7,455		15,000	250,000
Site Acquisition				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$360,833</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries		25,000		
WQA Benefits		8,333	0	
WQA Overhead		12,500	0	
Project Services & Supplies				
Subcontractors				
Consultants		15,000		
Legal				
Utilities (So Cal Edison & Verizon broadband)				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation				
Costs/Administrative Costs/Grants		300,000		
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$7,455</u></b>	<b><u>\$360,833</u></b>	<b><u>\$42,933</u></b>	<b><u>\$310,833</u></b>
<b><u>REVENUES</u></b>	<b><u>\$7,455</u></b>	<b><u>\$360,833</u></b>	<b><u>\$42,933</u></b>	<b><u>\$310,833</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1		240,000		279,750
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	7,455	120,833	42,933	31,083

**PUENTE VALLEY AREA OPERABLE UNIT - GENERAL**  
(See Annotation No. 1 Page 42)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$45,816</u></b>	<b><u>\$46,000</u></b>	<b><u>\$44,400</u></b>	<b><u>\$46,000</u></b>
WQA Salaries		0		
WQA Benefits		0		0
WQA Overhead		0		0
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations	34,209	34,800	32,900	34,800
Community Relations	11,003	11,200	11,500	11,200
Postage/Supplies/Other	604	0		
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$50,970</u></b>	<b><u>\$37,167</u></b>	<b><u>\$57,700</u></b>	<b><u>\$46,333</u></b>
WQA Salaries	27,853	20,000	31,473	25,000
WQA Benefits	9,191	6,667	10,491	8,333
WQA Overhead	13,926	10,000	15,736	12,500
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (meetings and conferences)		500		500
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$96,786</u></b>	<b><u>\$83,167</u></b>	<b><u>\$102,100</u></b>	<b><u>\$92,333</u></b>
<b><u>REVENUES</u></b>	<b><u>\$96,786</u></b>	<b><u>\$83,167</u></b>	<b><u>\$102,100</u></b>	<b><u>\$92,333</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)		0		
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	96,786	83,167	102,100	92,333



**PUENTE VALLEY AREA OPERABLE UNIT**  
**SGVWC PLANT B11**  
(See Annotation No. 24 Page 49)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$175,000</u></b>	<b><u>\$0</u></b>	<b><u>\$175,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation		175,000		175,000
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$0</u></b>	<b><u>\$175,000</u></b>	<b><u>\$0</u></b>	<b><u>\$175,000</u></b>
<b><u>REVENUES</u></b>	<b><u>\$0</u></b>	<b><u>\$175,000</u></b>	<b><u>\$0</u></b>	<b><u>\$175,000</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	0	175,000	0	175,000
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment				

**PUENTE VALLEY AREA OPERABLE UNIT  
INTERMEDIATE ZONE REMEDY**  
(See Annotation No. 25 Page 49)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$7,931</u></b>	<b><u>\$8,439,100</u></b>	<b><u>\$0</u></b>	<b><u>\$8,439,100</u></b>
WQA Salaries	4,334	4,500	0	4,500
WQA Benefits	1,430	1,500	0	1,500
WQA Overhead	2,167	2,250	0	2,250
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction	0	0		
Contractors/Project Grants		8,430,850	0	8,430,850
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>0</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation	0	0		
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$7,931</u></b>	<b><u>8,439,100</u></b>	<b><u>\$0</u></b>	<b><u>8,439,100</u></b>
<b><u>REVENUES</u></b>	<b><u>\$7,931</u></b>	<b><u>\$8,439,100</u></b>	<b><u>\$0</u></b>	<b><u>8,439,100</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)	0	800,000		800,000
Title XVI (XVI)				
Potentially Responsible Parties (PRP)	0	7,630,850	0	7,630,850
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	7,931	8,250	0	8,250

**PUENTE VALLEY AREA OPERABLE UNIT  
SHALLOW ZONE REMEDY**  
(See Annotation No. 26 Page 50)

## ESTIMATED COSTS

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries			0	
WQA Benefits			0	
WQA Overhead			0	
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations				
Community Relations				
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
WQA Salaries			0	0
WQA Benefits			0	0
WQA Overhead			0	0
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
<b><u>REVENUES</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>	<b><u>\$0</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)				
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)				
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment		0	0	0

**AREA THREE OPERABLE UNIT- City of Alhambra**  
(See Annotations No. 1 Page 42 and No. 27 Page 50)

**ESTIMATED COSTS**

LINE ITEMS	Fiscal Yr 17-18 Actual	Fiscal Yr 18-19 Budget	Fiscal Yr 18-19 Projected	Fiscal Yr 2019-20 Budget
<b><u>CAPITAL COSTS</u></b>	<b><u>\$22,710</u></b>	<b><u>\$23,000</u></b>	<b><u>\$22,600</u></b>	<b><u>\$23,000</u></b>
WQA Salaries				
WQA Benefits				
WQA Overhead				
Project Planning & Design				
Design				
Legal/Mediation				
Government Relations	19,071	19,400	18,800	19,400
Community Relations	3,639	3,600	3,800	3,600
Postage/Supplies/Other				
Project Construction				
Contractors/Project Grants				
Site Acquisition/97-005 Permit				
<b><u>OPERATING EXPENSES</u></b>	<b><u>\$14,080</u></b>	<b><u>\$11,900</u></b>	<b><u>\$0</u></b>	<b><u>\$11,900</u></b>
WQA Salaries	7,694	6,500	0	6,500
WQA Benefits	2,539	2,100	0	2,100
WQA Overhead	3,847	3,300	0	3,300
Project Services & Supplies				
Subcontractors				
Consultants				
Legal				
Utilities				
Carbon & Supplies				
Equipment				
Other (permits)				
Treatment and Remediation				
Costs/Administrative Costs/Grants				
<b>TOTAL CAPITAL &amp; OPERATING</b>	<b><u>\$36,790</u></b>	<b><u>\$34,900</u></b>	<b><u>\$22,600</u></b>	<b><u>\$34,900</u></b>
<b><u>REVENUES</u></b>	<b><u>\$36,790</u></b>	<b><u>\$34,900</u></b>	<b><u>\$22,600</u></b>	<b><u>\$34,900</u></b>
Rest. Fund/Title XVI/PRPs/Producers				
Restoration Funds (RF)		0		0
Title XVI (XVI)				
Potentially Responsible Parties (PRP)				
Water Producers (PROD)	0	0	0	
State - SWRCB/Prop 84/Prop 1				
SEMOU Cooperative Agreement				
Settlement Funding				
Interest income				
Other Income				
WQA Assessment	36,790	34,900	22,600	34,900

**SAN GABRIEL BASIN WATER QUALITY AUTHORITY**  
**OPERATING EXPENSE BUDGET**  
**FISCAL YEAR ENDING JUNE 30, 2020**

ACCOUNT NAME	F Yr 17-18 Actual	FY Yr 18-19 Budget	FY 18-19 Projected	FY 2019-20 Budget	Ratio
<b><u>OPERATING EXPENSES</u></b>					
<u>Board Member Fees</u>	<u>35,266</u>	<u>66,800</u>	<u>36,858</u>	<u>66,800</u>	<u>4.5%</u>
<u>Insurance</u>	<u>160,021</u>	<u>174,000</u>	<u>166,300</u>	<u>181,000</u>	<u>12.2%</u>
-General Liability/Property Insurance	24,918	30,000	25,900	30,000	
-Group Insurance	130,309	138,000	135,400	145,000	
-Workers Compensation	4,794	6,000	5,000	6,000	
<u>Office Expenses</u>	<u>36,748</u>	<u>48,000</u>	<u>44,245</u>	<u>48,000</u>	<u>3.2%</u>
- Supplies	6,570	12,000	11,000	12,000	
- Printing/Mailings	1,300	1,500	1,300	1,500	
- Dues & Subscriptions	19,190	22,000	21,800	22,000	
- Postage	900	1,000	745	1,000	
- Telephone	5,430	6,000	5,300	6,000	
- Graphics/Photo	550	2,500	1,200	2,500	
- Plant & Water Service	2,808	3,000	2,900	3,000	
<u>Rents &amp; Leases</u>	<u>98,395</u>	<u>97,800</u>	<u>97,500</u>	<u>98,000</u>	<u>6.6%</u>
- Office Facilities <b>"See Annotation 31a"</b>	89,300	89,400	89,300	89,400	
- Equipment: Postage Machine	1,730	1,600	1,800	1,800	
- Security System	1,390	1,300	1,200	1,300	
- Copy Machine	5,975	5,500	5,200	5,500	
<u>Equipment O &amp; M</u>	<u>29,613</u>	<u>36,200</u>	<u>33,000</u>	<u>36,200</u>	<u>2.4%</u>
- Car Allowance	14,203	16,200	14,700	16,200	
- Computer Systems <b>"See Annotation 31b"</b>	12,755	15,000	15,300	15,000	
- Copier Machine	2,265	3,000	1,900	3,000	
- Phone System	0	500	500	500	
- Postage Machine	0	500	200	500	
- Web Hosting	390	1,000	400	1,000	
<u>Outside Consulting Services</u>	<u>169,417</u>	<u>315,000</u>	<u>260,000</u>	<u>330,000</u>	<u>22.3%</u>
- Computer Consultant <b>"See Annotation 31c"</b>	12,382	15,000	19,500	25,000	
- Engineering/Geology	675	10,000	5,000	10,000	
- General Discharge Permit <b>"See Annotation 31d"</b>	8,300	10,000	11,800	15,000	
- Database & Mapping <b>"See Note (a)"</b>	44,310	95,000	95,000	95,000	
- Legal (General Counsel)	14,400	50,000	20,500	50,000	
- Legal (Special Counsel)	6,950	20,000	0	20,000	
- Management Services	0	5,000	5,000	5,000	
- Accounting/Audit/Finance	19,280	30,000	30,800	30,000	
- Accounting	6,250	15,000	12,700	15,000	
- Public Information/Relations <b>"See Annotation 31e"</b>	53,750	60,000	54,500	60,000	
- General Outside Services <b>"See Annotation 31f"</b>	3,120	5,000	5,200	5,000	
<u>Education &amp; Training</u>	<u>740</u>	<u>2,500</u>	<u>1,300</u>	<u>2,500</u>	<u>0.2%</u>
- Tuition Reimbursement	0	0	0	0	
- Training	740	2,500	1,300	2,500	
<u>Travel, Meetings &amp; Conference Expenses</u>	<u>32,742</u>	<u>45,000</u>	<u>36,300</u>	<u>45,000</u>	<u>3.0%</u>
<b>"See Annotation 31g"</b>					
- Board Member Travel, Meeting & Conferences	2,685	15,000	6,000	15,000	
- Regular Employee Travel, Meeting & Conferences	30,057	30,000	30,300	30,000	

**SAN GABRIEL BASIN WATER QUALITY AUTHORITY**  
**OPERATING EXPENSE BUDGET**  
**FISCAL YEAR ENDING JUNE 30, 2020**

ACCOUNT NAME	F Yr 17-18 Actual	FY Yr 18-19 Budget	FY 18-19 Projected	FY 2019-20 Budget	Ratio
<b>Administrative Salaries &amp; Benefits "See Annotation 31h"</b>	<u>641,568</u>	<u>596,100</u>	<u>632,201</u>	<u>591,780</u>	<u>40.0%</u>
-Salaries - Full Time Employees	814,718	819,100	824,570	860,000	
-Payroll Taxes	15,094	18,500	18,965	19,780	
-Retirement Plan	100,883	106,000	105,000	110,000	
-Salaries Allocated to Projects "See Annotation 31i"	(289,127)	(347,500)	(316,334)	(398,000)	
Fixed Assets	<u>14,220</u>	<u>20,000</u>	<u>22,400</u>	<u>30,000</u>	<u>2.0%</u>
- Office Improvements / Furniture	2,080	5,000	7,400	5,000	
- Computer Systems/Equipment	12,140	15,000	15,000	25,000	
Contingency	<u>0</u>	<u>50,000</u>		<u>50,000</u>	<u>3.4%</u>
<b>TOTAL OPERATING EXPENSES</b>	<b><u>\$1,218,730</u></b>	<b><u>\$1,451,400</u></b>	<b><u>\$1,330,104</u></b>	<b><u>\$1,479,280</u></b>	<u>100.0%</u>
<b>REVENUES</b>	<b><u>\$1,218,730</u></b>	<b><u>\$1,451,400</u></b>	<b><u>\$1,330,104</u></b>	<b><u>\$1,479,280</u></b>	
Interest income "See Annotation 32"	111,518	90,000	153,101	120,000	
Other Income (Agenda/Copy Fees/Luncheons)	6,800	0		0	
Benefits & Overhead Allocated to Projects	239,975	288,696	262,560	330,678	
SEMOU Settlement Funding / FFPA Funds		0	0	0	
WQA Assessment	860,437	1,072,704	914,443	1,028,602	

**ANNOTATIONS-Nos. 31-32 see annotations pages 51-53.**

**Note (a): The budget for Fiscal Yr. 18-19 reflects line item transfers approved by the board, subsequent to approval of the budget. (See below)**

	<u>Original</u> <u>Budget</u>	<u>Transfer</u> <u>Amount</u>	<u>Amended</u> <u>Budget</u>	<u>Date of Line</u> <u>Item</u> <u>Transfer</u>
<b><u>Budget Line Items Transfers for FY 18/19</u></b>				
Database & Mapping Activities	60,000	35,000	95,000	11-14-18
Legal - BPOU	75,000	(35,000)	40,000	11-14-18

# SAN GABRIEL BASIN WATER QUALITY AUTHORITY

## OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020

### ANNOTATIONS AND PROJECT DESCRIPTIONS

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#### PROJECTS

##### 1. Project Budget Line Items

Each of the following headings are included on each project budget and are defined as follows:

##### 1a. Legal/Mediation/Litigation

This item includes the professional services required to negotiate, develop agreements, and/or litigate. The budget costs reflect anticipated professional services by our general and/or specialized counsel.

##### 1b. Government Relations / Community Relations

Government Relations: These costs reflect the fees associated with efforts in Washington D.C. and Sacramento to find outside sources of funding for cleanup projects. The fees have been proportionately allocated to the related projects requiring outside funding. The allocation rate is based upon funding provided to activities in the operable units. The rate is reviewed on an annual basis and adjusted accordingly. The rates for FY 19/20 are shown below.

Community Relations: The WQA disseminates information to a large audience throughout the year with the use of approximately eight to ten full-color inserts exclusive to the WQA, as well as e-mail "blasts" to approximately 60,000 readers. These are issued in conjunction with Earth Day, Civic Leadership, Water Awareness and other special sections or events. The WQA has also developed a comprehensive social media communications plan that capitalizes on social media's increasing influence to communicate its goal to the general public. The fees are allocated proportionately among the 31 projects that are included in the budget.

	<u>Government</u>	<u>Community</u>
	<u>Relations</u>	<u>Relations</u>
Baldwin Park Operable Unit - BPOU Committee	53.0%	19.4%
Baldwin Park Operable Unit - Non-Committee	4.0%	9.7%
El Monte Operable Unit	12.0%	16.1%
So. El Monte Operable Unit	17.0%	32.3%
Puente Valley Operable Unit	7.0%	9.7%
Area Three Operable Unit	4.0%	3.1%
Other Projects	<u>3.0%</u>	<u>9.7%</u>
TOTAL	<u>100.0%</u>	<u>100.0%</u>

# **SAN GABRIEL BASIN WATER QUALITY AUTHORITY**

## **OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020**

### **ANNOTATIONS AND PROJECT DESCRIPTIONS**

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#### **1. Project Budget Line Items (continued)**

##### **1c. Treatment and Remediation (T & R) / Administration Costs/Grants**

Costs on this line item are associated with projects that are owned and operated by either the WQA, Responsible Parties (RPs), or Water Producers and reflect the expenses necessary to maintain and operate a treatment system or the costs associated with administering outside funding and grants.

#### **2. OTHER PROJECTS**

##### **CITY OF SOUTH PASADENA - WILSON RESERVOIR TREATMENT (See page 3)**

The project is located in the City of South Pasadena at its Wilson Reservoir and involves the construction of a 1,2,3-trichloropropane (TCP) treatment facility using granular activated treatment for the removal of TCP with a plant capacity of 3,000 gpm. The treated water will be conveyed into South Pasadena's existing distribution system. The WQA Board has allocated Restoration funds to partially offset the cost of construction.

##### **SAN GABRIEL VALLEY WATER COMPANY - PLANT 11 (See page 4)**

The WQA Board authorized the use of Restoration funds in prior years to offset a portion of SGVWC's treatment and remediation costs for Plant 11. The federal funds for Plant 11 were utilized in FY 9/10; no federal funds have been allocated since that date. Plant 11 continues to operate with costs currently funded by SGVWC.

##### **WHITTIER NARROWS OPERABLE UNIT (WNOU) (See page 5)**

The WQA is assisting the U.S. Environmental Protection Agency (EPA) and the Department of Toxic Substances Control (DTSC) in developing a long-term plan to guarantee the continued operations of the WNOU remedy and to ensure that the remedy is performing as required by the WNOU Record of Decision (ROD). The plan currently calls for the San Gabriel Valley Water Company (SGVWC) to assume operations of the treatment plant. In order for SGVWC to assume operations capital upgrades are required. The upgrades include the construction of an onsite reservoir, construction of blending controls and a 3,000 gpm booster station as well as an updated pump station and disinfection equipment. In addition, a 7,000 linear foot blending pipeline is necessary to bring needed blend water from SGVWC's Plant 11 to facilitate long term operation of the treatment facility. The costs associated with the capital upgrades total approximately \$15M and are being funded by an agreement between EPA, DTSC and state funding through Proposition 1, with a preliminary Proposition 1 award of up to \$7.1M. Any costs associated with WQA involvement are currently being funded by WQA.



# SAN GABRIEL BASIN WATER QUALITY AUTHORITY

## OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020

### ANNOTATIONS AND PROJECT DESCRIPTIONS

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**3. BALDWIN PARK AREA OPERABLE UNIT - LPVCWD (See page 9)**

The 2,500 gpm groundwater treatment project was constructed in 2000 for the La Puente Valley County Water District (LPVCWD). The plant utilizes air stripping, ion exchange and ultraviolet light to treat VOCs, Perchlorate, n-nitrosodimethylamine (NDMA) and 1,4-Dioxane. The treatment and remediation costs for the project are funded through the Baldwin Park Operable Unit (BPOU) Project Agreement. In addition, LPVCWD tested waste brine destruction methods resulting from the operation of the ion exchange treatment technology. The regenerable ion exchange treatment equipment was subsequently replaced with more efficient single pass ion exchange treatment equipment thereby eliminating all waste brine discharges. In addition to the ion exchange treatment equipment, LPVCWD constructed a new onsite production well. The costs for the completion of the ion exchange treatment equipment and the new well were reflected in the FY09/10 budget and were funded through the BPOU Project Agreement, a USBR Title XVI award, and Restoration funds approved by the Board. The FY19/20 budget includes the subsequent treatment and remediation costs that are being funded through the BPOU Project Agreement.

**4. BALDWIN PARK AREA OPERABLE UNIT - PLANT B6 (See page 10)**

The 7,800 gpm groundwater treatment project at San Gabriel Valley Water Company's (SGVWC) existing B6 well field is currently operating under its amended water supply permit. The project removes VOCs, Perchlorate, NDMA and 1,4-Dioxane from the groundwater with a combination of treatment technologies including air stripping and single pass ion exchange treatment equipment. The project also includes four extraction wells at two extraction locations near the southwestern edge of the BPOU. In addition, SGVWC was required by the DPH to construct an additional fixed bed ion exchange treatment system for the removal of nitrates. The second round of funding from Proposition 84, Section 75025 provided funding for the nitrate system. SGVWC is also planning the installation of an advanced UVFlex modular treatment system for 1,4-dioxane and NDMA at an estimated cost of \$2.2M. This system would reduce the amount of energy necessary to operate and optimize the treatment of contaminants. Proposition 1 funding of a portion of the UVFlex project was approved. The FY19/20 budget includes treatment and remediation costs that are funded through the BPOU Project Agreement.

**5. BALDWIN PARK AREA OPERABLE UNIT - CDWC Well 14 (See page 11)**

California Domestic Water Company (CDWC) has constructed VOC, Perchlorate and NDMA treatment facilities at their Well No. 14. While the project is not part of the EPA ROD, it is funded as part of the comprehensive BPOU Project Agreement that has been endorsed by the EPA. In FY09/10 CDWC constructed an extraction well to replace existing Well No. 14 due to sub-surface failure. The FY 19/20 budget includes the cost of completing the constructing a pipeline between the CDWC Bassett Well Field and SGVWC's Plant B5, and treatment and remediation costs for Well No. 14. These costs are funded through the BPOU Project Agreement.

# **SAN GABRIEL BASIN WATER QUALITY AUTHORITY**

## **OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020**

### **ANNOTATIONS AND PROJECT DESCRIPTIONS**

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**6. BALDWIN PARK AREA OPERABLE UNIT - PLANT B5 (See page 12)**

The 7,800 gpm treatment system at SGVWC's existing B5 well field and extraction well on site is located at the southern edge of the BPOU and is part of the EPA's ROD and the BPOU Project Agreement. Construction started during FY 04/05 and was completed during FY08/09; the project treats Perchlorate, NDMA, 1,4-Dioxane and VOCs. The B5 treatment facility started operations in FY 08/09 with all associated costs funded through the BPOU Project Agreement. The FY 19/20 budget includes treatment and remediation costs that are being funded through the BPOU Project Agreement.

**7. BALDWIN PARK AREA OPERABLE UNIT - VCWD SUB-AREA 1 (See page 13)**

The 7,800 gpm groundwater treatment system at Valley County Water District's (VCWD) Arrow/Lante well field removes Perchlorate, NDMA, 1,4-Dioxane and VOCs utilizing treatment systems similar to those used in the B6 project. The project includes two extraction wells (SA1-1 and SA1-2) and a treated water pipeline to Suburban Water Systems' (SWS) existing distribution system. VCWD has replaced its existing regenerable ion exchange treatment equipment with the more efficient single pass ion exchange treatment equipment. The FY 19/20 budget includes costs for the ongoing rehabilitation of a groundwater extraction well and a liquid phase granular activated quench system. The WQA Board has allocated Restoration funds to partially offset the cost of design and construction of these systems. Additionally, the second round of funding from Proposition 84, Section 75025 has provided funding for bypass piping to address nitrate contamination. The FY19/20 budget also includes ongoing treatment and remediation costs that are being funded through the BPOU Project Agreement.

**8. BALDWIN PARK AREA OPERABLE UNIT - SWS Plants (See page 14)**

SWS has constructed two new production wells, one at their Plant 121 and the other at their Plant 142, to replace the production lost at its Plant 139. The project included a pipeline that connected Plant 121 with an adjacent service area that includes their Plant 140 NDMA treatment facility and the construction of a third production well Plant 151. The project was funded by the Project Agreement. The FY19/20 budget includes ongoing treatment and remediation costs that are being funded through the BPOU Project Agreement.

**9. BALDWIN PARK AREA OPERABLE UNIT - CDWC WELL 10 (See page 15)**

California Domestic Water Company (CDWC) is constructing a Perchlorate Treatment facility at Well 10 with capacity to be 5,000 GPM. The project is consistent with EPA's remedy for the BPOU and is funded by the BPOU Project Agreement. The WQA Board has allocated Restoration funds to partially offset the cost of design and construction.

# SAN GABRIEL BASIN WATER QUALITY AUTHORITY

## OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020

### ANNOTATIONS AND PROJECT DESCRIPTIONS

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**10. BALDWIN PARK AREA OPERABLE UNIT - BALDWIN WELLS PUMPING PLANT (See page 16)**

This project is located at Covina Irrigating Company's (CIC) Baldwin Park Pumping Plant where CIC constructed a 6,600 gpm treatment system utilizing fixed bed ion exchange treatment technology for the removal of perchlorate from onsite wells 1, 2 and 3. The project is not part of the EPA ROD, therefore it was not funded through the BPOU Project Agreement. The WQA Board allocated Restoration funds to partially offset the cost of design and construction. The second round of funding from Proposition 84, Section 75025 also provided funds for the project.

**11. BALDWIN PARK AREA OPERABLE UNIT - NIXON WELLS TREATMENT (See page 17)**

The project is located at the VCWD Nixon water production facility. VCWD constructed an LPGAC treatment system for the removal of VOCs from Wells Nixon West and Nixon East. The project is not part of the EPA ROD, therefore it is not funded by the BPOU Project Agreement. The WQA Board previously allocated Restoration funds to partially offset the cost of construction, which were utilized in FY 11/12. No additional funding has been provided, therefore treatment and remediation costs are funded entirely by VCWD.

**12. EL MONTE AREA OPERABLE UNIT - Encinita (See page 19)**

This VOC treatment project enables the Golden State Water Company (GSWC) to treat all of the 2,250 gpm available at the Encinita Plant. Funding for the project came from a variety of sources including federal funding. The WQA Board had allocated Restoration funds to offset treatment and remediation costs, which have been utilized in full as of FY 11/12. The costs reflected in FY 19/20 are for treatment and remediation costs that are funded by RPs.

**13. EL MONTE AREA OPERABLE UNIT - Westside Shallow Remedy (See page 20)**

In FY 06/07 the Westside Performing Settling Defendants (WSPSD) constructed additional monitoring wells required by EPA to fully characterize the extent of contamination in the western portion of the El Monte Operable Unit (EMOU). In FY 07/08 the WSPSD began construction of VOC treatment facilities and conveyance pipelines. In the event that emergent chemical contamination is found appropriate treatment will be added. The project work meets the west side shallow zone remediation requirements of EPA's EMOU ROD. The WQA Board allocated Title XVI funds and Restoration Funds to offset the cost of construction of the VOC facilities and pipelines and the funds have been fully utilized. Construction was completed in FY 12/13 and the project is now fully operational. Treatment and remediation costs are being funded by the WSPSD. However, recent data indicates the need to construct additional advanced oxidation treatment for destruction of 1,4-dioxane with the additional construction costs being funded by the WSPSD. In FY 19/20 WSPSD will continue construction of additional shallow zone extraction wells due to the lowering groundwater table, with costs being funded by the WSPSD.

# **SAN GABRIEL BASIN WATER QUALITY AUTHORITY**

OPERATING AND PROJECT EXPENSE BUDGET  
FISCAL YEAR ENDING JUNE 30, 2020

## **ANNOTATIONS AND PROJECT DESCRIPTIONS**

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**14. EL MONTE AREA OPERABLE UNIT - Eastside Shallow Remedy (See page 21)**

During FY 07/08, the Eastside Performing Settling Defendants (ESPSD) began construction of extraction wells, re-injection wells, conveyance pipelines and a VOC treatment facility. In the event that emergent chemical contamination is found, appropriate treatment will be added. The work meets the east side shallow zone remediation requirements of EPA's EMOU ROD. The WQA Board also allocated Title XVI funds and Restoration funds to offset the cost of construction. The FY 15/16 budget included capital costs associated with the project construction and staff time associated with project coordination and processing federal awards. The Title XVI and Restoration funds have been fully utilized as of FY 15/16, and no further funding has been provided as of FY 19/20. The construction has been completed and the project is now operational. Treatment and remediation costs are being funded by the ESPSD.

**15. EL MONTE AREA OPERABLE UNIT - Southeast Deep Remedy (See page 22)**

The ESPSD and the City of El Monte (CEM) entered into an agreement to construct three new extraction wells and necessary conveyance pipelines. The project also includes the construction of a centralized VOC treatment facility. The CEM will operate the treatment facility and use all of the treated water produced for domestic supply. This project satisfies the east side deep zone remediation requirements of EPA's EMOU ROD. The WQA Board allocated Restoration funds to offset the cost of construction, with construction starting in FY 07/08. The FY 15/16 budget included capital costs associated with the project construction and staff time associated with project coordination and processing federal awards. The construction has been completed and the project is now operational. Treatment and remediation costs are being funded by the ESPSD. The Board also allocated Restoration funds to cover the cost of one year of operations. These funds are expected to be utilized in FY 19/20.

**16. EL MONTE AREA OPERABLE UNIT - City of El Monte Wells 2, 10, 12 and 3 (See page 23)**

The CEM has constructed VOC treatment systems at its well sites for Wells 2, 10 and 12. The WQA Board allocated Restoration funds to partially offset the cost of treatment and remediation, which had been fully utilized as of FY 15/16. No additional funding has been provided, therefore treatment and remediation costs are funded entirely by the CEM. The second round of funding from Proposition 84, Section 75025 also provides funds for the construction of a treatment facility at Well 3 for the remediation of VOCs and to facilitate blending.

# SAN GABRIEL BASIN WATER QUALITY AUTHORITY

## OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020

### ANNOTATIONS AND PROJECT DESCRIPTIONS

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**17. SO. EL MONTE AREA OPERABLE UNIT - Monterey Park Wells (See pages 25-27 and 29)**

The FY18/19 budget includes treatment and remediation costs associated with the City of Monterey Park's (CMP) Well 5, Well 12 and Well 15 VOC treatment facilities. Funding for the treatment and remediation costs is provided by the EPA Cooperative Agreement and SEMOU settlement funds.

CMP also operates a VOC treatment plant for Wells 1, 3, 10 and Fern. The treatment and remediation costs for FY 19/20 are funded by SEMOU settlement funds.

**18. SO. EL MONTE AREA OPERABLE UNIT - Monterey Park Centralized Groundwater Treatment System (See page 28)**

The CMP has constructed a centralized groundwater treatment system (CGT) at its Delta Plant to replace the individual remedy wellhead systems. The CGT will remove VOCs and 1,4-dioxane and will enable the City to maximize production from its three remedy wells. The \$8.2M project is partially funded by a Proposition 84 grant and is expected to be operational in FY 19/20. It will eventually replace the Well 12 VOC, Wells 12 & 15 Dual Barrier and Well 15 VOC treatment facilities.

**19. SO. EL MONTE AREA OPERABLE UNIT - SGVWC Plant 8 (See page 30)**

SGVWC started the design process for additional treatment consisting of ion exchange for perchlorate contamination and advanced oxidation of 1,4-dioxane destruction; the additional treatment will be necessary if concentrations exceed 50% of the maximum contaminate level. The WQA Board allocated the use of federal funds to offset the cost of SGVWC's design which were utilized in FY 12/13. In FY 18/19 SGVWC began construction of an advanced oxidation treatment system for 1,4-dioxane contamination - the WQA Board has also allocated federal funds to offset a portion of these construction costs. These funds were awarded to SGVWC in FY 18/19. For FY 19/20, funding for the treatment and remediation costs for VOC treatment at Plant 8 are provided by the EPA Cooperative Agreement.

**20. SO. EL MONTE AREA OPERABLE UNIT - GSWC SG 1 & 2 Wells (See page 31)**

In prior years the Golden State Water Company (GSWC) retrofitted two of its existing six carbon vessels for ion exchange treatment of Perchlorate, and subsequently reversed the two vessels back into VOC treatment. The WQA Board had allocated federal funds to offset a portion of GSWC's treatment and remediation costs of the VOC and the temporary Perchlorate treatment systems - the funds were completely utilized as of FY 14/15. Treatment and remediation costs associated with the VOC treatment for Wells SG1 and SG2 are provided by the EPA Cooperative Agreement and SEMOU settlement funds.

**21. SO. EL MONTE AREA OPERABLE UNIT - SGVWC Plant G4 (See page 32)**

SGVWC constructed a VOC treatment facility at its existing Plant G4. The WQA Board allocated federal funds to offset a portion of the treatment and remediation costs associated with the VOC treatment, which were completely utilized as of FY 10/11. For FY 19/20 the treatment and remediation costs are funded by SEMOU settlement funds.

# **SAN GABRIEL BASIN WATER QUALITY AUTHORITY**

## **OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020**

### **ANNOTATIONS AND PROJECT DESCRIPTIONS**

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**22. SO. EL MONTE OPERABLE UNIT - Whitmore Street Treatment Facility (See page 33)**

During FY 07/08, the WQA constructed a treatment facility utilizing UV oxidation and LPGAC treatment technologies for the removal of 1,4-Dioxane and VOCs. The WQA received a grant from the State of California to offset the costs of construction and a portion of treatment and remediation which provided funding through December 2012. In December 2012, the State approved an additional five years of funding for the construction of a new extraction well and to offset costs of treatment and remediation. The State funding was fully expended within the first quarter of FY 18/19, at which time the cost of operating the treatment facility is being funded entirely by the WQA. Treatment and remediation costs for FY 19/20 are funded by the WQA.

The WQA is investigating the contamination in the shallow aquifer surrounding the Whitmore site. Using hydropunch technology at 11 locations, the WQA will gain additional data to enhance the extraction at the Whitmore site. The cost of this project is partially funded by a Proposition 1 grant with the remainder of the funding being provided by the WQA. The costs for this project are included in the budget for FY 19/20.

**23. SO. EL MONTE OPERABLE UNIT - Phase 2-type Investigation (See page 34)**

The WQA is involved in a collaborative effort with the Los Angeles Regional Water Quality Control Board, the SWRCB Department of Financial Assistance, and the DTSC to facilitate the investigation and cleanup of contamination sources. The WQA is applying for a planning grant to be used to perform a remedial Phase 2-type investigation of soil, soil gas, and groundwater beneath high priority sites within the Basin. The cost of this project is partially funded by a Proposition 1 grant with the remainder of the funding being provided by the WQA. Costs for this project are included in the FY19/20 budget.

**24. PUEENTE VALLEY AREA OPERABLE UNIT - SGVWC Plant B11 (See page 36)**

The WQA Board authorized the use of federal funds to offset a portion of SGVWC's treatment and remediation costs for Plant B11. The federal funds for Plant B11 were fully utilized in FY 10/11. No federal funds have been allocated for FY 18/19. Plant B11 continues to operate with costs currently funded by RPs.

**25. PUEENTE VALLEY AREA OPERABLE UNIT - Intermediate Zone Remedy (See page 37)**

In FY 06/07, the PVOU Responsible Party (Northrop Grumman), began construction on the intermediate zone remedy for the Puente Valley Operable Unit (PVOU). Subsequently, the project was relocated and completely redesigned, with construction on the redesigned facility starting in FY 18/19. The project consists of extraction wells, conveyance pipelines, VOC treatment equipment, ion exchange treatment equipment and UV oxidation treatment equipment located on a property acquired by Northrop Grumman. The WQA Board has allocated Restoration funds to offset a portion of the construction costs.

# **SAN GABRIEL BASIN WATER QUALITY AUTHORITY**

## **OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020**

### **ANNOTATIONS AND PROJECT DESCRIPTIONS**

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**26. PUENTE VALLEY AREA OPERABLE UNIT - Shallow Zone Remedy (See page 38)**

This project is being implemented by United Technologies Corporation to satisfy its responsibility for the PVOU shallow zone remedy. The project consists of extraction wells, raw water pipelines, centralized treatment facility, treated water pipeline and re-injection wells. The treatment facility will have a capacity of 1,560 gpm and will treat for VOCs and emergent chemicals. Costs are not included for FY 19/20 as construction is not expected to start during the next fiscal year.

**27. AREA THREE OPERABLE UNIT - City of Alhambra (See page 39)**

The City of Alhambra's ("Alhambra") Phase I of its pump and treat program consists of a 1,600 gpm air stripping plant at Well 7. Phase II consists of a centralized treatment plant for the remediation of VOCs, including 1,2,3-TCP. The treatment plant utilizes LPGAC, was designed for a capacity of 5,400 gpm and accepts flow from City Wells Nos. 8, 11, and 12. The treated water is then blended with the treated water from Well No. 7 and conveyed to Alhambra's distribution system. The WQA Board allocated Restoration funds to this project to partially reimburse Alhambra for the Phase I and Phase II costs and to offset a portion of the treatment and remediation costs. As of FY 13/14, all federal funds had been fully utilized by Alhambra. No federal funds have been allocated for FY 19/20. Costs for treatment and remediation are funded by the City of Alhambra.

**NOTE: Annotations 28 through 30 are not applicable for FY 19/20**

# SAN GABRIEL BASIN WATER QUALITY AUTHORITY

## OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020

### ANNOTATIONS AND PROJECT DESCRIPTIONS

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#### **OPERATING EXPENSE BUDGET (See pages 40 - 41)**

#### **31. Operating Expenses**

##### **31a. Office Facilities**

Office facilities includes the monthly lease expense and any related utility costs.

##### **31b. Equipment O&M-Computer Systems**

This line item reflects costs associated with maintaining computers and related equipment, the network and its backup system, as well as an internet connection line. Certain maintenance is performed in-house. However, the WQA does require the expertise of professional computer consultants. The cost of the consultant is included in the cost category of Outside Consultants: Computer (see 31c. below).

##### **31c. Outside Consultants: Computer**

During FY 18/19, the WQA engaged an information systems consulting firm to provide for consistent and reliable computer support, with services including maintaining and monitoring servers, workstations and network security. The FY 19/20 budget includes costs related to the consulting firm.

##### **31d. General Discharge Permit Activities**

The WQA participated in the acquisition of a general discharge permit to facilitate the construction and operation of wells and treatment facilities in the San Gabriel Basin. The total project budget was \$415,000 and spanned the years of FY 11/12 through 13/14. Additional costs were subsequently budgeted as the WQA continued to provide assistance to water entities in obtaining general discharge permits.

During FY 17/18, the WQA began participating in a working group to assist in the development of a guidance manual for the SWRCB Department of Drinking Water Policy 97-005 process. The project is continuing and costs have been budgeted for FY 19/20 for this project. It is expected to be completed in FY 19/20.

##### **31e. Public Information/Relations**

Public information expenses include the cost of basin-wide informational workshops and the issuance of an annual report based on the 406 plan as well as all required public notices that are published in local and regional newspapers which are not attributable to projects. The WQA co-hosts an annual informational workshop jointly with selected other water districts. It also hosts several mini-workshops throughout the year. The WQA is also participating in youth outreach programs.

##### **31f. General Outside Services**

The budget for FY 19/20 includes the cost of engaging a professional organization to scan additional documents for electronic storage - these documents were not included in the original project in which the bulk of the WQA's documents were scanned.



# SAN GABRIEL BASIN WATER QUALITY AUTHORITY

## OPERATING AND PROJECT EXPENSE BUDGET FISCAL YEAR ENDING JUNE 30, 2020

### ANNOTATIONS AND PROJECT DESCRIPTIONS

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#### **31g. Travel, Meetings and Conference Expenses**

The expenses in this category include mileage reimbursements, airfare, car rental, hotel and out-of-town meals for authorized meetings, such as ACWA, EPA, meetings with legislators in Sacramento and Washington D.C and meetings for contract negotiations, as well as conference registration fees (i.e., ACWA, NGWA) and costs to attend and/or host meetings related to WQA activities.

The total budget is allocated between WQA Board Members and WQA Employees.

#### **Board Member Travel, Meeting & Conference**

The FY 19/20 budget projects the maximum amount of WQA-paid expenses that each Board Member incurs at \$4,000 per Board Member.

#### **Employee Travel, Meeting & Conference**

This budget category includes staff costs and other costs to attend and/or host meetings related to the WQA activities.

#### **31h. Administrative Salaries & Benefits**

The WQA currently has six full-time employees. Employee equivalents are computed based upon the fraction of the fiscal year that each employee worked in the categories listed below and on the next page.

#### **31i. Salaries and Benefits Paid by Projects**

The WQA currently utilizes an internal allocation procedure whereby salaries for technical positions (see Category 1 below) are allocated to projects based on individual record keeping and actual time spent on projects.

Salaries for administrative positions (see Category 2 below) are allocated proportionately to both projects and general administration. The allocation rates are reviewed annually and adjusted based on the projected activities in the operable units. The allocation method is based on level of effort expended for each operable unit.

The categories shown on the next page reflect the FY 19/20 allocations.

# SAN GABRIEL BASIN WATER QUALITY AUTHORITY

OPERATING AND PROJECT EXPENSE BUDGET  
FISCAL YEAR ENDING JUNE 30, 2020

## ANNOTATIONS AND PROJECT DESCRIPTIONS

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### 31. Operating Expenses (continued)

#### 31i. Salaries and Benefits Paid by Projects (continued)

##### Category 1: Salaries Allocated by Individual Record Keeping Based on Actual Time to Projects

*Applicable Positions:* Executive Director, Assistant Executive Director, Project Resource Manager, and Executive Assistant/Public Outreach Coordinator.

##### Category 2: Salaries Allocated by Proportionate Share to Projects and General Administration

2019/2020 Computation: 50.0% ADMIN; 14.1% BPOU - Committee; 2.6% BPOU Non-committee; 5.8% EMOU; 19.3% SEMOU; 5.8% PVOU; 1.2% ATOU and 1.2% Other Projects.

*Applicable Positions:* Director of Finance & Administrative/Accounting Assistant.

### 32. Operating Revenues

#### 32a. Interest Income

This line item reflects investment interest earned from the Local Agency Investment Fund (LAIF) and interest income earned from bank accounts. For the current year projected interest income is based on historical interest earnings, projected interest rates, and the projected timing of cash receipts and disbursements. The budgeted interest income for FY 19/20 is estimated based on an average LAIF balance of \$6.0M and includes assumptions about the timing of cash receipts and disbursements. The majority of the funds held by WQA are to be used for reimbursement of costs through FFPA awards and other agreements.

### 33. Pumping Right Assessments

The Pumping Right Assessment as established for the FY 19/20 Budget is \$10.00 per acre-foot of prescriptive pumping rights.

Section 605 of WQA's enabling Act, as amended effective January 1, 2004, grants the WQA the authority to impose an annual pumping right assessment not to exceed \$10 per acre-foot. Additionally, Section 608 of the enabling Act grants WQA the authority to annually adjust the assessment rate by an amount not to exceed the percentage change in the regional Consumer Price Index - All Urban Consumers (CPI). The increase in the CPI from 2004 to 2018 is 35.2 percent, resulting in an allowable maximum assessment of \$14.13.

**San Gabriel Basin Water Quality Authority  
2019/2020 BUDGET AND ASSESSMENT SCHEDULE**

TASK	DATE
WQA Board Meeting - review of initial draft budget	03/20/19
<b>Budget Workshop / Special Board Meeting - With Interested Parties and Producers</b>	<b>04/09/19</b>
Public Hearing and Budget Presentation at the Regular Board Meeting	04/17/19
Administrative/Finance Committee - review of revised draft budget (if necessary)	05/14/19
<b>WQA Board Meeting</b>  Budget Hearing Adoption of Budget, Set Date of Assessment Public Hearing  Adoption of Budget  Set Date of Assessment Public Hearing  Resolution Setting Schedule of Assessment Collection	<b>05/22/19</b>
Mail Notices of Assessment Hearing and Anticipated Assessment Amount and Schedule of Collections  to Producers, Cities, Watermaster, and Interested Parties ( <i>minimum 90 days Prior to Assessment Hearing</i> )	<b>05/23/19</b>
Place Newspaper Announcement (2 days) (minimum <i>45 days prior to hearing</i> )	<b>06/17/19 and 06/24/19</b>
Post Hearing Notice at Entrance of Public Hearing Location (minimum <i>45 days prior to hearing</i> )	<b>06/26/19</b>
<b>WQA Board Meeting</b> - Assessment Public Hearing and ADOPTION of Assessment	<b>08/21/19</b>
Mail Invoices for Assessments	8/22/19
Collect Assessments (1st installment)	<b>09/20/19</b>
Collect Assessments (2nd installment)	<b>11/15/19</b>

**NOTE: These dates are subject to change with notification**

# DRAFT

## A REGULAR MEETING OF THE SAN GABRIEL BASIN WATER QUALITY AUTHORITY MARCH 20, 2019 AT 12:00 P.M.

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### CALL TO ORDER

Mr. Marquez called the regular meeting of the San Gabriel Basin Water Quality Authority to order and reviewed the actions anticipated on the agenda for the meeting.

### ROLL CALL OF BOARD MEMBERS

Jorge Marquez, Bob Kuhn, Tim Miller, Valerie Munoz, Mark Paulson and Al Contreras (alternate)

### BOARD MEMBERS ABSENT

Mike Whitehead and Ed Chavez

### STAFF MEMBERS PRESENT

Randy Schoellerman, Assistant Executive Director/Senior Engineer; Mary Saenz, Director of Finance; Stephanie Moreno, Executive Assistant/Outreach Coordinator; Michelle Sanchez, Admin/Accounting Assistant; Dan Colby; Project Resource Manager; Richard Padilla, Legal Counsel

### MEMBERS OF THE PUBLIC PRESENT

David Muse, Valley County Water District; Shauna Racicot, California American Water

### PUBLIC COMMENT

None.

### ITEMS TOO LATE TO BE AGENDIZED

None.

### CONSENT CALENDAR

Mr. Miller moved to approve the consent calendar. Mr. Paulson seconded the motion and it was unanimously approved.

### OTHER ACTION/INFORMATION ITEMS

#### *Review of Draft Budget for Fiscal Year 2019/2020*

Ms. Saenz reported that at the February's Administrative/Finance Committee meeting the committee discussed an increase to the assessment from \$10 per acre foot to either \$12, \$13 or \$14 per acre foot. She indicated that there are a total of 197,610 acre feet of prescriptive pumping rights in the Basin, so the potential assessment increases will raise annual assessment funding by \$395,220, \$592,830 or \$790,440, respectively. She also reported the need for the increase is largely driven by the availability of Proposition 1 funding which requires 10 percent to 50 percent in matching funds from the WQA.

Mr. Kuhn commented that he would not be in favor of increasing the assessment to \$14 and would be in favor of an increase to \$12 considering other areas that will also suffer from increases such as fire and health insurance.

Mr. Contreras questioned if we were getting all we could from the responsible parties.

Mr. Schoellerman indicated that PRPs are paying a substantial portion of the overall cleanup.

Ms. Saenz reported that the first draft of the budget would be presented at the April 9, 2019 budget workshop.

***Discussion/Action Regarding  
Draft 404 Status Report for March  
2019***

Mr. Schoellerman reported that in 2007, legislation created Chapter 404, Statutes of 2007 (AB1010, Hernandez) added Section 711 to the WQA statutes. Under this section, the WQA is required to provide a status report semi-annually on its activities undertaken pursuant to the §406 plan. As such, much of the information provided in this status report is already available in the §406 plan. This report to the State Water Resources Control Board and the Los Angeles Regional Water Quality Control Board is due March 31, 2019 and is prepared to comply with Section 711 for WQA activities through December 31, 2018. He highlighted the minor changes made to the status report.

He noted that this could be the final stand-alone 404 Status Report if SB413 passes later this year. The legislation allows WQA to combine the 404 Status Report with the annual 406 Plan update.

After brief discussion, Mr. Kuhn moved to approve the Draft 404 Status Report for March 2019. Mr. Contreras seconded the motion and it was unanimously approved.

***Discussion/Action Regarding  
Board of Directors Cost of Living  
Adjustment (“COLA”) for Fiscal  
Year 2019/2020***

Mr. Schoellerman reported that WQA Procedure No. 23 provides that each Board Member receive a daily stipend for services rendered for WQA. Under subsection H of the procedure, the Board may increase the Daily Stipend by an amount equal to the lesser of 5% or the percentage increase in the annual Consumer Price Index for All Urban Consumers (“CPI-U”), Los Angeles-Long Beach-Anaheim area. He noted that the CPI for January 2019 is 3.2% and increasing Board Member compensation by this amount would comply with the requirements of WQA Procedure No. 23 and the CA Water Code by the not exceeding the 5% limitation. Lastly he noted that should the Board elect to increase the compensation the rate would increase to \$154.21 from \$149.43. A Board action would be necessary only to approve the increase.

After some discussion, the Board decided to not take any action on this item and to not increase the daily stipend.

***Discussion/Action Regarding  
Contract with Kadesh &  
Associates for Federal Advocacy  
Services***

Mr. Schoellerman reported that in February, Mr. Manning and Mr. Monares spent two full days in Washington, D.C. with the Blue Water Strategies principals visiting members of Congress and the Senate. After this trip it became clear that Blue Water Strategies firm was not the best fit for WQA. Therefore, staff had recommended the Chairman select an ad hoc committee to work with staff to review alternatives and make a recommendation to the board.

Mr. Schoellerman indicated that an ad hoc Committee of the Mr. Marquez, Ms. Munoz and Mr. Whitehead met on February 14, 2019 and interviewed Mark Kadesh of Kadesh & Associates, LLC. The ad hoc committee was recommending that the board retain Kadesh & Associates as WQA's representative in Washington, D.C. and let the current Blue Water Strategies contract expire June 30, 2019.

Ms. Munoz commented that she was comfortable with retaining Kadesh & Associates, LLC.

Mr. Marquez commented that he knew the staff and was very confident with retaining Kadesh & Associates, LLC.

Mr. Kuhn noted he was not opposed to hiring Kadesh & Associates. However, with no commitments from legislators to prioritize WQA's funding request he was uncomfortable with the timing of hiring another federal consultant now. He asked if there was any way that WQA could retain Kadesh & Associates, LLC on a month to month basis.

Mr. Monares reported that there was a 30-day "out" clause in the agreement if the WQA decided to terminate the agreement.

Mr. Miller commented that he would like staff to work with WQA's attorney to review the contract with Blue Water Strategies. He preferred to end their contract prior to June 30, 2019.

After detailed discussion, Ms. Munoz moved to authorize staff to retain the federal representation services of Kadesh & Associates, LLC with a retainer of \$15,000 per month and have staff work with Mr. Padilla to review the Blue Water contract for early termination. Mr. Paulson seconded the motion and it was approved by the following vote:

AYES: MARQUEZ, MILLER, PAULSON, MUNOZ

NO: KUHN AND CONTRERAS

**ENGINEER'S REPORT**

Mr. Schoellerman reported that a project committee meeting for the El Monte Operable Unit was held the previous day.

**ATTORNEY'S REPORT**

None.

**EXECUTIVE DIRECTOR'S REPORT**

Mr. Schoellerman reported that Mr. Manning along with Ms. Munoz gave a presentation to the South El Monte City Council. He noted that staff continued to work on SB 413 the bill to amend the WQA's election cycle. He also noted that there was a bill regarding the expansion of the boundaries of the San Gabriel Valley Monument and that staff would bring it to the next Legislative/Public Information committee to review. He lastly noted that staff gave both Senator Susan Rubio and Assemblywoman Blanca Rubio a briefing which included a tour of the San Gabriel Valley Water Company's B6 treatment facility.

**FUTURE AGENDA ITEMS**

None.

**FUTURE BOARD AND COMMITTEE MEETINGS**

The next Administrative/Finance Committee meeting will be held on Tuesday, March 12, 2019 at 10:00 A.M. at WQA

The next Engineering Committee meeting will be held on Tuesday, March 12, 2019 at 11A.M.

The next Legislative/Public Information Committee meeting will be held on Wednesday, March 13, 2019 at 11:00 A.M. at WQA

The next WQA Board meeting will be held on Wednesday, March 20, 2019 at 12:00 P.M. at WQA

**BOARD MEMBERS' COMMENTS/REPORTS**

Mr. Contreras wanted clarification regard WQA's federal representation. He asked if the WQA would be paying for two federal lobbyists for a couple of months since the WQA was currently in a contract with the Blue Water Strategies Group.

Mr. Schoellerman responded and said yes, the contract with the Blue Water Strategies Group would not end until June 30, 2019.

Ms. Munoz reported that she took a tour of the La Puente Valley Water District and commended Mr. Manning on his presentation to the South El Monte city council.

Mr. Miller introduced Shana ----- from California American Water who was sitting in the audience.

Mr. Marquez reported that he would be attending the City of Alhambra council meeting to make a presentation to their council.

**CLOSED SESSION**

A closed session was not held.

**ADJOURNMENT**

The Chairman asked if there were any other items of business to come before the Board. There being none, the meeting was

adjourned to March 20, 2019.

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Jorge Marquez  
Chairman

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Valerie Munoz  
Secretary



# DRAFT

**SAN GABRIEL BASIN WATER QUALITY AUTHORITY  
ADMINISTRATIVE/FINANCE COMMITTEE AND  
SPECIAL MEETING OF THE BOARD OF DIRECTORS  
APRIL 9, 2019 AT 10:00 A.M.**

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<b>CALL TO ORDER</b>	Mr. Kuhn called the regular meeting of the San Gabriel Basin Water Quality Authority to order and reviewed the actions anticipated on the agenda for the meeting.
<b>COMMITTEE MEMBERS PRESENT</b>	Bob Kuhn and Tim Miller
<b>WATERMASTER LIASON</b>	Dave Michalko
<b>COMMITTEE MEMBERS ABSENT</b>	Mike Whitehead and Mark Paulson
<b>OTHER BOARD MEMBERS PRESENT</b>	None.
<b>STAFF MEMBERS PRESENT</b>	Ken Manning, Executive Director; Randy Schoellerman, Assistant Executive/Senior Engineer; Stephanie Moreno, Executive Assistant/Public Outreach Coordinator; Mary Saenz, Director of Finance; Michelle Sanchez, Accounting Assistant; Dan Colby, Project Resource Manager
<b>MEMBERS OF THE PUBLIC PRESENT</b>	Lynda Noriega, California Domestic Water Company; Jared Macias, City of Alhambra; Jazmine Lopez, Valley County Water District
<b>PUBLIC COMMENT</b>	None.
<b><i>Budget Workshop for Fiscal Year 2019/2020</i></b>	Ms. Saenz gave an overview of the draft budget for 2019/2020 and reviewed project costs, revenues and assessment reserves. She reported that under the WQA enabling act there is the ability to impose a maximum assessment of \$10/acre foot. She noted that under section 608 of the act there is an annual CPI adjustment which if applied the maximum assessment for fiscal year could be \$14.13/acre foot. She reported that as discussed at the March 20 <sup>th</sup> Board meeting WQA is proposing an increase to the assessment from \$10 per acre foot to \$12 per acre foot of prescriptive pumping rights. She pointed out there are a total of 197,610 acre feet of prescriptive pumping rights in the Basin, so the assessment increase will raise annual assessment funding by \$395,220 for FY 19/20. She indicated that the need for the increase is largely driven by the availability of Proposition 1 funding which requires 10 percent to 50 percent in matching funds from the WQA. She reviewed the costs

funded by assessments and the increased use of assessment dollars for project costs and noted that implementing these projects will require annual additional assessments ranging from \$235K to \$650K per year, and \$2.5M over all for the next 5 years. Lastly, she reviewed the project cost allocations and how the costs are divided among all of the operable units. She noted that there would be a public hearing and workshop scheduled for the April 17<sup>th</sup> Board meeting with the anticipation of adopting the budget on May 22<sup>nd</sup>.

Mr. Kuhn requested that Ms. Saenz provide a breakdown of the costs related to the Government Relations line item in her future presentations on the budget.

Mr. Miller asked if staff has considered any other federal funding strategy beyond the Restoration Funds such as EPA Superfund grants. He also requested that staff provide a cost/acre foot for treated water for each project. He indicated it might provide a different look and assist when talking to legislators.

Mr. Manning indicated that staff has looked into other federal funding opportunities, including EPA. He noted that staff would specifically look at the available EPA Superfund grants again.

Mr. Macias questioned what the motivation was for WQA to partner with the Regional Board for site remediation.

Mr. Manning explained that working with the Regional Board on site remediation is part of WQA's mission. However, WQA prioritized groundwater remediation early on and is now assisting with source remediation.

Mr. Kuhn encouraged everyone to attend the next WQA Board meeting to share these comments with the entire Board. He indicated that this type of dialogue would be educational for all involved.

### ***Report on Cash and Investments for 1<sup>st</sup> Quarter 2019***

### **EXECUTIVE DIRECTOR'S REPORT**

### **ADJOURNMENT**

Mr. Manning reported that the quarterly report on cash and investments was enclosed with the agenda packet for review.

Mr. Manning reported that SB 413 has made it through two committees and was set to go to the Appropriations. He commended Mr. Schoellerman for his work and testimony at the hearings while he was on vacation. He noted that he would be giving a presentation to the San Gabriel Valley Water Association on April 22, 2019. Lastly he reported that he had a great time on his trip to South East Asia.

Mr. Kuhn asked if there were any other items of business to come before the Board. There being none, the Board meeting was adjourned.

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Chairman

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Secretary

# DRAFT

## SAN GABRIEL BASIN WATER QUALITY AUTHORITY LEGISLATIVE/PUBLIC INFORMATION COMMITTEE AND SPECIAL MEETING OF THE BOARD OF DIRECTORS APRIL 10, 2019 AT 11:00 A.M.

---

<b>CALL TO ORDER</b>	The Chairman called the regular meeting of the San Gabriel Basin Water Quality Authority to order and reviewed the actions anticipated on the agenda for the meeting.
<b>COMMITTEE MEMBERS PRESENT</b>	Jorge Marquez, Bob Kuhn and Valerie Munoz
<b>WATERMASTER LIASON</b>	Absent.
<b>COMMITTEE MEMBERS ABSENT</b>	None.
<b>OTHER BOARD MEMBERS PRESENT</b>	None.
<b>STAFF MEMBERS PRESENT</b>	Ken Manning, Executive Director; Stephanie Moreno, Executive Assistant/Public Outreach Coordinator; Michelle Sanchez, Accounting Assistant; Dan Colby, Project Resource Manager; Mary Saenz, Director of Finance; Randy Schoellerman, Assistant Executive Director/Sr. Engineer
<b>MEMBERS OF THE PUBLIC PRESENT</b>	Lenet Pacheco, Valley County Water District; Gabriel Monares, The Monares Group
<b>PUBLIC COMMENT</b>	None.
<i>Discussion Regarding Next Advertorial</i>	The committee reviewed and provided comments on the draft ad that would be published in the Earth Day section later this month. The ad highlighted Assemblymember Blanca Rubio and Senator Susan Rubio.
<i>Discussion Regarding Agreement with the Eco Voices Institute</i>	<p>Mr. Manning introduced Mr. Shope. He reminded the committee that last year the WQA participated in a Summer Youth Outreach Program with EcoVoices to target a segment of the community that we are currently not reaching, the youth of our communities.</p> <p>Mr. Shope reviewed the program with the committee. He indicated that EcoVoices is a STEM's rich hands-on program that provides young people lessons on the San Gabriel River watershed that includes: groundwater quality, drought preparedness, mitigation measures for the prevention of</p>

pollution and restorative biodiversity. It is delivered in a dynamic and theatrical way that helps students remember and retain what they hear. This year the program would be expanding to include at least 15 K-8 schools within the area of the WQA.

After some discussion, the committee recommended that a \$15,000 grant to support Eco Voices Institute educational programs go to the full Board for approval.

***Discussion Regarding San Gabriel Mountains Foothills and Rivers Protection Act (S.3704)***

Mr. Manning provided a brief explanation regarding this act. He indicated that it would be expanding the boundaries of the San Gabriel Mountains National Monument that was declared during the Obama administration in 2014. He suggested that the WQA wait to take any action until the San Gabriel Valley Water Association takes action, if any.

After brief discussion, the committee recommended tabling this item until further notice.

***Legislative Activities/Reports***

**State**

Mr. Manning reported that SB 413 has made it through two Senate committees and was set to go to Appropriations. He commended Mr. Schoellerman for his work and testimony at the hearings while he was out on vacation.

**Federal**

Mr. Manning reported that a \$10M appropriations request was submitted for the San Gabriel Basin Restoration Fund. In addition, a \$10M request for groundwater cleanup projects was submitted for the Bureau of Reclamation budget. He noted that if this were approved it would also be available to others parties.

Mr. Manning reported that Democrats have indicated they are not going to consider earmarks until after the 2020 election. This has a direct impact on WQA's ability to get an appropriation from the SGB Restoration Funds.

**EXECUTIVE DIRECTOR'S REPORT**

He noted that he had a great trip to South East Asia.

He reported that there was still discussion about a state bill for funding water projects with a water tax or trust fund. However, a final legislation could be delayed pending the outcome of a State Water Board needs assessment report due out next year.

**ADJOURNMENT**

The Chairman asked if there were any other items of business to come before the Board. There being none, the Board meeting was adjourned.

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Chairman

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Secretary

**DRAFT**

The following demands on the Administration Fund Account at Bank of the West are hereby submitted for payment.

Check No.	Payable to	Description	Amount
D01509	Bob Kuhn	Board Member Compensation for March 2019	
		3 Days WQA Business	448.29
		Meeting/Travel Expenses/Other	16.24
		Less Deferred Compensation	(414.00)
		Less Taxes Withheld	(34.29)
			16.24
D01510	Ed Chavez	Board Member Compensation for March 2019	
		6 Days WQA Business	896.58
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(68.59)
			827.99
D01511	Jorge Marquez	Board Member Compensation for March 2019	
		4 Days WQA Business	597.72
		Meeting/Travel Expenses/Other	42.92
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(266.89)
			373.75
D01512	Valerie Munoz	Board Member Compensation for March 2019	
		4 Days WQA Business	597.72
		Meeting/Travel Expenses/Other	15.08
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(45.73)
			567.07
D01513	Mark Paulson	Board Member Compensation for March 2019	
		1 Day WQA Business	149.43
		Meeting/Travel Expenses/Other	14.38
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(11.43)
			152.38
D01514	Al Contreras	Board Member Compensation for March 2019	
		1 Day WQA Business	149.43
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(11.43)
			138.00
EFT/ACH	SGBWQA - Payroll Fund	Replenish payroll fund for March 2019	
		Staff Payroll	78,157.19
		Board Deferred Compensation-Lincoln Life	414.00
		Board Payroll Taxes - Federal & State	655.56
			79,226.75
		<b>Total replenishment to payroll fund</b>	<b>81,302.18</b>
EFT/ACH	SGBWQA - Revolving Fund	Replenish revolving fund for 03/01/19 to 03/31/19 disbursements	
		Computer Systems O&M	517.47
		Equipment Lease	411.72
		Group Insurance	5,190.96
		Legal - General	400.00
		Meeting & Conferences	381.47
		Misc. Office Expense	40.00
		Outside Services: Computer Consultant	522.45
		Subscriptions	375.00
		Telephone Service	902.10
		Project Costs	4,024.36
			12,765.53

*mds*  
4-11-19

**DRAFT**

The following demands on the Administration Fund Account at Bank of the West are hereby submitted for payment.

Check No.	Payable to	Description	Amount
7050	ACWA/JPIA	Invoice No. 606021, Medical and life insurance premiums for May 1, 2019 to June 1, 2019	9,368.33
7051	ACWA/JPIA	Invoice No. '1Q-2019-WC', For Worker's Compensation program for January 1, 2019 to March 31, 2019	1,183.11
7052	Accent Computer Solutions, Inc.	Invoice No. 127057, Professional IT services for April 2019	1,316.00
7053	Bank of America	Invoice No. '19-03Mar-KM', Credit Card Expenses incurred for 03/01/19 to 03/31/19 Office Supplies 63.48 Computer Systems O&M 69.99 Meetings & Conferences 32.97	166.44
7054	Bank of America	Invoice No. '19-03Mar-RS', Credit Card Expenses incurred for 03/01/19 to 03/31/19 Accounts Receivable-Other 457.50 Office Supplies 803.46 Computer Systems O&M 600.00 Internet Service 29.95 Travel & Mileage 1,196.67 Travel & Mileage (refund) (533.96) Meetings & Conferences 246.84 Meetings & Conferences 252.00	3,052.46
7055	BlueWater Strategies, LLC	Invoice No. 3498, Professional consulting services for March 2019	10,000.00
7056	Emerald Isle	Invoice No. 76372, Plant Maintenance for April 2019	197.10
7057	The Gualco Group	Invoice No '19-0Apr', Professional consulting services for April 2019	8,403.73
7058	Kadesh & Associates, LLC	Invoice No. 4-19, Professional consulting services for March 2019	5,322.00
7059	The Monares Group, LLC	Invoice No. '19-05May', Professional consulting services for May 2019	16,000.00
7060	The Monares Group, LLC	Invoice No. '19-04Apr-Exp', Professional consulting services, Reimbursable expenses February 2019 1,977.46 March 2019 982.25	2,959.71
7061	Nestle Pure Life Direct	Invoice No. 19C0013610332, for March 2019 services	42.67
7062	Olivarez Madruga Lemieux O'Neill, LLP	Invoice No. 6581, Professional legal services for February 2019	1,600.00
7063	Pitney Bowes	Invoice No. 3103042555, Postage machine lease	431.65
7064	Ruffle Properties, LLC	Office lease, CAM, and Storage for May 2019 Invoice No. '19-05May', Office lease 6,646.40 Invoice No. '19-05May-CAM', Electricity charges 643.20 Invoice No. '19-05May-Storage', Storage Room 150.00	7,439.60
7065	Wildermuth Environmental, Inc.	Invoice No. 2019047, Professional services for February 2019	11,892.20
<b>TOTAL</b>			<b>173,442.71</b>

*mls*  
4-11-19





**\$149.43 per meeting, 6 meeting maximum per month**  
**Mileage Rate: \$0.58 per mile** (updated January 2019)

## EXPENSE SHEET

NAME: Bob Kuhn

MONTH/YEAR: Mar-19

DATE		MEETING DESCRIPTION	Roundtrip Mileage	# of Days (not to exceed 6)	\$149.43 PER DIEM
	3/6/19	Watermaster Meeting	4	1	\$149.43
	3/18/19	City Council Talk Group	4	1	\$149.43
	3/20/19	WQA Board Meeting	20	1	\$149.43
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
<b>Total Meetings</b>				<b>3</b>	<b>\$448.29</b>
<b>Total Mileage (at \$0.58 per mile)</b>			<b>28</b>		<b>\$16.24</b>

DATE	Expense Reimbursement Description (receipts required)	Amount
	<b>TOTAL Expenses</b>	<b>\$0.00</b>
	<b>TOTAL MEETINGS, MILEAGE, EXPENSES</b>	<b>\$464.53</b>
457	Deferred Compensation Amount (enter a positive number)	448.29
<b>TOTAL</b>		<b>\$16.24</b>

I hereby certify that I have incurred and paid all of the above expenses on behalf of the  
SAN GABRIEL BASIN WATER QUALITY AUTHORITY

*Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.*



## EXPENSE SHEET

NAME: Edward L. Chavez MONTH/YEAR: Mar-19

DATE	MEETING DESCRIPTION	Roundtrip Mileage	# of Days (not to exceed 6)	\$149.43 PER DIEM
3/6/19	Baldwin Park City Council Meeting		1	\$149.43
3/9/19	Meeting with Lucy Pedregon, Board Member - Hacienda Heights Improvement Association		1	\$149.43
3/11/18	Valley County Water District Board of Directors' Meeting		1	\$149.43
3/22/19	Meeting with Senator Susan Rubio		1	\$149.43
3/28/19	WELL 2019 Annual Conference		1	\$149.43
3/29/19	WELL 2019 Annual Conference		1	\$149.43
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>Total Meetings</b>			<b>6</b>	<b>\$896.58</b>
<b>Total Mileage (at \$0.535 per mile)</b>		<b>0</b>		<b>\$0.00</b>

DATE	Expense Reimbursement Description (receipts required)	Amount
<b>TOTAL Expenses</b>		<b>\$0.00</b>

<b>TOTAL MEETINGS, MILEAGE, EXPENSES</b>			<b>\$896.58</b>
457	<b>Deferred Compensation Amount (enter a positive number)</b>		
<b>TOTAL</b>			<b>\$896.58</b>

I hereby certify that I have incurred and paid all of the above expenses on behalf of the  
 SAN GABRIEL BASIN WATER QUALITY AUTHORITY

Signature \_\_\_\_\_

**Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.**



**Board Member Per Diem**  
 \$149.43 per meeting, 6 meeting maximum per month  
 Mileage Rate: \$0.58 per mile (updated January 2019)

## EXPENSE SHEET

NAME: JORGE A MARQUEZ MONTH/YEAR: Mar-19

DATE	MEETING DESCRIPTION	Roundtrip Mileage	# of Days (not to exceed 5)	\$149.43 PER DIEM
3/11/19	Government Relations Committee - Regional Chamber of Commerce - Walnut (WQA is a member)	26	1	\$149.43
3/20/19	WQA Board Meeting - West Covina	0	1	\$149.43
3/25/19	Meeting Presentation of WQA during (Public Hearing portion of meeting) at Alhambra City Council - Alhambra	34	1	\$149.43
3/28/19	San Gabriel Valley Regional Chamber of Commerce Board of Directors Meeting (WQA is a member) - Industry	14	1	\$149.43
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
<b>Total Meetings</b>			<b>4</b>	<b>\$597.72</b>
<b>Total Mileage (at \$0.58 per mile)</b>		<b>74</b>		<b>\$42.92</b>

DATE	Expense Reimbursement Description (receipts required)	Amount
<b>TOTAL Expenses</b>		<b>\$0.00</b>

<b>TOTAL MEETINGS, MILEAGE, EXPENSES</b>			<b>\$640.64</b>
457	Deferred Compensation Amount (enter a positive number)		
<b>TOTAL</b>			<b>\$640.64</b>

I hereby certify that I have incurred and paid all of the above expenses on behalf of the  
 SAN GABRIEL BASIN WATER QUALITY AUTHORITY

**Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.**



**\$149.43 per meeting, 6 meeting maximum per month**

(updated January 2019)

# EXPENSE SHEET

NAME: Valerie Munoz

MONTH/YEAR: Mar-19

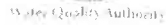
DATE			MEETING DESCRIPTION	Roundtrip Mileage	# of Days (not to exceed 5)	\$149.43 PER DIEM
	3/12/19	South El Monte Council Meeting		12	1	\$149.43
	3/20/19	WQA Regular Board Meeting		6	1	\$149.43
	3/26/19	Meeting with Puente Valley Water Company Board Member Cesar Barajas		0	1	\$149.43
	3/28/19	Meeting with Mayor Lloyd Johnson West Covina		8	1	\$149.43
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
Total Meetings					4	\$597.72
Total Mileage (at \$0.58 per mile)				26		\$15.08

DATE		Expense Reimbursement Description (receipts required)	Amount
		<b>TOTAL Expenses</b>	<b>\$0.00</b>
		<b>TOTAL MEETINGS, MILEAGE, EXPENSES</b>	<b>\$612.80</b>
457		Deferred Compensation Amount (enter a positive number)	
<b>TOTAL</b>			<b>\$612.80</b>

I hereby certify that I have incurred and paid all of the above expenses on behalf of the  
SAN GABRIEL BASIN WATER QUALITY AUTHORITY

Signature

***Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.***

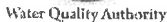


Updated January 2019

## Mar-19

I hereby certify that I have incurred and paid all of the above expenses on behalf of the SAN GABRIEL BASIN WATER QUALITY AUTHORITY

San Gabriel Basin WQA  
Board Member's Expense Sheet  
edited for AB 1234 January 2017



**\$149.43 per meeting, 6 meeting maximum per month**

(updated January 2019)

## EXPENSE SHEET

NAME: Al Contreras

**MONTH/YEAR:** Mar-19

DATE		MEETING DESCRIPTION	Roundtrip Mileage	# of Days (not to exceed 6)	\$149.43 PER DIEM
	3/21/19	WQA Board Meeting		1	\$149.43
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
Total Meetings				1	\$149.43
Total Mileage (at \$0.58 per mile)			0		\$0.00

DATE	Expense Reimbursement Description (receipts required)	Amount
TOTAL Expenses		\$0.00

TOTAL MEETINGS, MILEAGE, EXPENSES		\$149.43
457	Deferred Compensation Amount (enter a positive number)	
TOTAL		\$149.43

I hereby certify that I have incurred and paid all of the above expenses on behalf of the  
SAN GABRIEL BASIN WATER QUALITY AUTHORITY

Signature

***Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.***

**DRAFT**

The following demands on the Project Fund Account at Bank of the West are hereby submitted for payment.

Check No.	Payable to	Description	Amount	Funding Sources
<b><u>BALDWIN PARK OPERABLE UNIT</u></b>				
4651	RC Foster Corporation	Invoice No. 02-19-011, Project spare parts costs for March 2019	711.48	CR's
<b><u>SOUTH EL MONTE OPERABLE UNIT</u></b>				
4652	Avocet Environmental Inc.	Project costs for Whitmore Groundwater Treatment system		
		Invoice No. 5633 -Whitmore GW Treatment System	3,881.35	
		Invoice No. 5634 - Round 1 Prop 1-Whitmore Hydropunch	5,825.00	
		Invoice No. 5635 - Round 2 Prop 1 - SEMOU Regional GW	<u>3,610.00</u>	13,316.35 WQA/Prop 1
E90616	Golden State Water Company	Invoice No. 1194899-ACD, Project T&R costs for SG1 & 2 VOC for October thru December 2018	5,654.36	EPA
E90617	San Gabriel Valley Water Co.	Project T&R Costs for Plant 8 LGAC, Air Stripper and Sentinel Well for October thru December 2018		
		Invoice No. 18-12391, Plant 8 A.S. for October	11,108.77	
		Invoice No. 18-12392, Plant 8 LGAC for October	9,055.64	
		Invoice No. 19-01017, Plant 8 A.S. for November	16,274.14	
		Invoice No. 19-01018, Plant 8 LGAC for November	8,609.02	
		Invoice No. 19-02048, Plant 8 A.S. for December	9,330.57	
		Invoice No. 19-02049, Plant 8 LGAC for December	7,405.23	
		Invoice No. 19-02055, Sentinel Well for 2018	<u>6,664.78</u>	68,448.15 EPA
<b>Total Project Costs</b>			<u><u>88,130.34</u></u>	
<b><u>SOUTH EL MONTE OPERABLE UNIT - TRUSTEE</u></b>				
E90618	Golden State Water Company	Invoice No. 1194899-B, Project T&R costs for SG1 & 2 for October thru December 2018	414.00	RP's
E90619	San Gabriel Valley Water Co.	Project T&R Costs for Plant G4 LGAC for October thru December		
		Invoice No. 18-12393, Plant G4 LGAC - October	7,192.04	
		Invoice No. 19-01019, Plant G4 LGAC - November	8,696.51	
		Invoice No. 19-02050, Plant G4 LGAC - December	<u>7,162.17</u>	23,050.72 RP's
<b>Total Trustee Costs</b>			<u><u>23,464.72</u></u>	
<b>Total Project and Trustee Costs</b>			<u><u>111,595.06</u></u>	

*mls*  
4-11-19

**DRAFT**

The following demands on the Project Fund Account at Bank of the West are hereby submitted for payment. Subsequent release of the demands is expected to be on April 30, 2019, subject to approval and availability of funds pursuant to the BPOU Project Agreement Section 4.7 Payment of Invoices.

Check No.	Payable to	Description	Amount	Funding Sources
<b><u>BALDWIN PARK OPERABLE UNIT</u></b>				
4653	La Puente Valley County WD	Invoice No. 4-2019-03, Project T&R costs for March 2019	146,946.55	CR's
4654	Main San Gabriel Basin Watermaster	Invoice No. 02-206, Administrative Project Costs for March 2019		
		Administrative costs	30,335.04	
		T&R costs	<u>13,826.68</u>	44,161.72 CR's
4655	Suburban Water Systems	Invoice No. 59880319, for project T&R costs for March 2019	46,645.79	CR's
4656	Valley County Water District	Project costs for March 2019		
		Invoice No. 388, Capital costs	89,320.51	
		Invoice No. 388, T&R costs	160,697.85	
		Invoice No. 389, T&R costs	<u>5,498.90</u>	255,517.26 CR's
4657	California Domestic Water Co.	Project costs for March 2019		
		Invoice No. 3257, T&R costs for Perchlorate	24,398.38	
		Invoice No. 3258, T&R costs for NDMA & VOC's	<u>65,272.65</u>	89,671.03 CR's
E90620	San Gabriel Valley Water Co.	Project costs for February 2019		
		Invoice No. 19-03084, B5 T&R costs	61,049.87	
		Invoice No. 19-03078, B5 T&R costs	4,873.98	
		Invoice No. 19-04092, B5 T&R costs - Well B5E Rehab	100,479.16	
		Invoice No. 19-03085, B6 T&R costs	<u>764,019.99</u>	930,423.00 CRs
<b>Total BPOU Project Costs</b>			<u><u>1,513,365.35</u></u>	





# San Gabriel Basin Water Quality Authority

1720 W. Cameron Avenue, Suite 100, West Covina, CA 91790 • 626-338-5555 • Fax 626-338-5775

## AGENDA SUBMITTAL

**To:** WQA Board of Directors  
**From:** Kenneth R. Manning, Executive Director  
**Date:** April 17, 2019  
**Subject:** Report on Cash and Investments – 1st Quarter 2019

---

### Discussion

Attached for your review is the quarterly report on cash and investments as of March 31, 2019.

The LAIF average monthly yields for January and February 2019 are 2.355% and 2.392%, respectively. The quarterly rate for January to March has not yet been issued.

### Recommendation / Proposed Action

For information only.

# San Gabriel Basin Water Quality Authority

## SUMMARY OF CASH AND INVESTMENTS

March 31, 2019

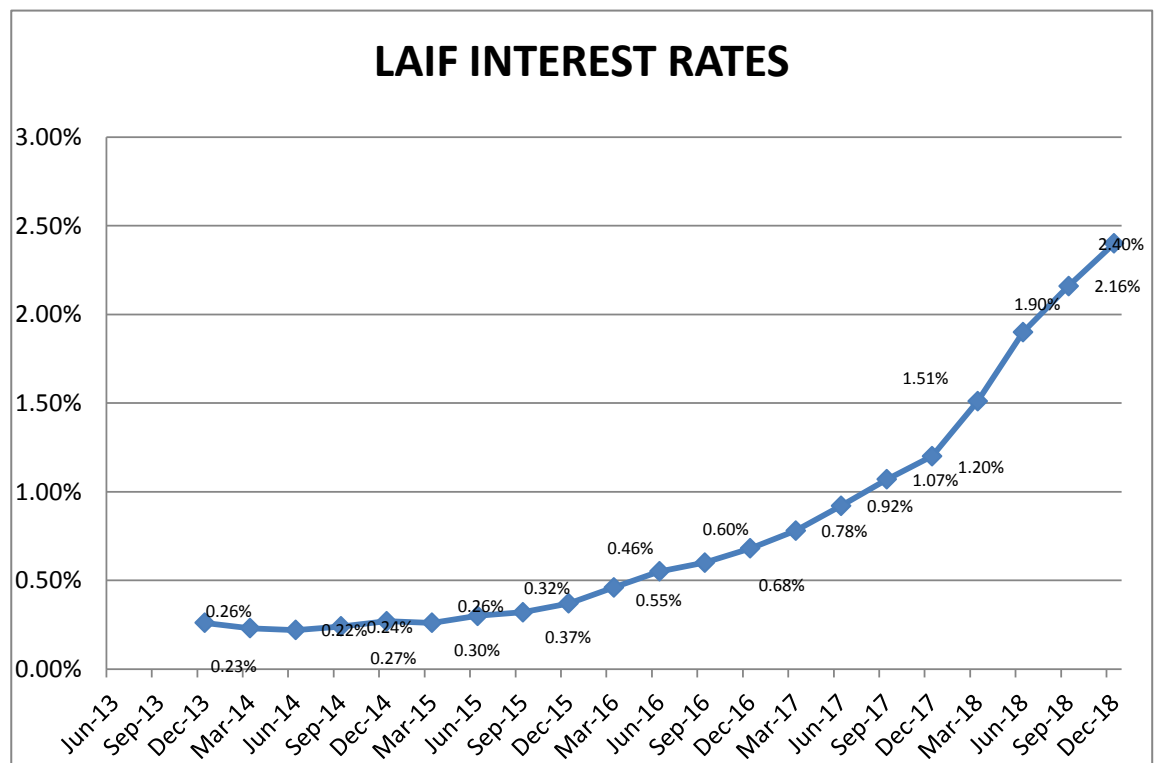
**DRAFT**

DESCRIPTION	BALANCE
<b><u>CASH AND BANK ACCOUNTS</u></b>	
Cash on Hand	\$ 250
<b><u>Bank of the West Checking Accounts</u></b>	
General Account	1,000
Revolving Account	12,219
Payroll Account	43,959
Project Account	821,690
Pooled Money Market Account - Project/Admin	11,901
Federal Funding Account	1,000
Total Cash and Bank Accounts	<u>892,019</u>
<b><u>Trustee Accounts</u></b>	
<b><u>Bank of the West</u></b>	<u>6,543</u>
South El Monte Operable Unit (SEMOU) Checking Account	<u>6,543</u>
<b><u>Investment Accounts</u></b>	
California Treasurer's Office	
Local Agency Investment Fund (LAIF)	
WQA General	6,517,667
SEMOU RP's	2,036,458
Total Investment Accounts	<u>8,554,125</u>
<b>TOTAL CASH, TRUSTEE AND INVESTMENT ACCOUNTS</b>	<u><u>\$ 9,452,687</u></u>

### LAIF RATE TABLE

Quarter Ended	Interest Rate (%)
Dec-13	0.26%
Mar-14	0.23%
Jun-14	0.22%
Sep-14	0.24%
Dec-14	0.27%
Mar-15	0.26%
Jun-15	0.30%
Sep-15	0.32%
Dec-15	0.37%
Mar-16	0.46%
Jun-16	0.55%
Sep-16	0.60%
Dec-16	0.68%
Mar-17	0.78%
Jun-17	0.92%
Sep-17	1.07%
Dec-17	1.20%
Mar-18	1.51%
Jun-18	1.90%
Sep-18	2.16%
Dec-18	2.40%

### LAIF INTEREST RATES





# San Gabriel Basin Water Quality Authority

1720 W. Cameron Avenue, Suite 100, West Covina, CA 91790 • 626-338-5555 • Fax 626-338-5775

## AGENDA SUBMITTAL

**To:** WQA Board of Directors  
**From:** Kenneth R. Manning, Executive Director  
**Date:** April 17, 2019  
**Subject:** Proposed Summer Youth Outreach Program

---

### Discussion

Last year the WQA participated in a Summer Youth Outreach Program with EcoVoices to target a segment of the community that we are currently not reaching, the youth of our communities. EcoVoices is a STEM's rich hands-on program that provides young people lessons on the San Gabriel River watershed that includes: groundwater quality, drought preparedness, mitigation measures for the prevention of pollution and restorative biodiversity. It is delivered in a dynamic and theatrical way that helps students remember and retain what they hear. This year the program would be expanding to include at least 15 K-8 schools within the area of the WQA.

Staff would like to consider participating in this program again and the cost to the WQA for the summer program is \$15,000, which is currently available within the WQA budget, and would reach an estimated 1,000 youth within the region.

### Recommendation

Staff recommends the board approve the participation in the Summer Youth Outreach Program and allocate \$15,000 to the project.



# EcoVoices

Ken Manning, Executive Director  
San Gabriel Basin Water Quality Authority

03-March-2019

Dear Ken,

Last summer, the San Gabriel Basin Water Quality Authority funded a highly successful series of EcoVoices Expeditions that enabled us to reach hundreds of schoolchildren and family members, primarily in the San Gabriel Valley- and to purchase a 12 foot box van to enhance our capacity.

Our staff at the EcoVoices Institute is continuing to develop a dynamic water quality education component to add to our ever-evolving EcoVoices curriculum, which reaches THOUSANDS of children every year. The purpose of EcoVoices is to create and sustain innovative, effective, and outstanding educational programs for ecological research and stewardship.

Over the past 5 years we have championed the development of science creativity and talent for over 17,000 urban youth from communities *where the need is greatest*.

Through our exciting theatrical and hands-on field expeditions, we communicate critical understanding of the San Gabriel River watershed: groundwater quality, drought preparedness, mitigation of water pollution, and restorative biodiversity.

**We have a NEW opportunity to extend our reach to THOUSANDS more in the Summer of 2019!**

We are requesting that the WQA match last summer's sponsorship of \$15,000. We can leverage that level of support to schedule a robust series of outreach presentations for children attending afterschool programs and to provide EcoVoices Traveling Expeditions through the Parks After Dark programs at sites within the WQA service area. Moreover, we are working successfully with additional water agencies as co-partners to support further expansion of our ongoing EcoVoices programming.

Please sponsor another great summer of EcoVoices!

*Your sponsorship ensures that we champion THOUSANDS of well-deserving families and youth!*

Dr. Richard Shope, President  
World Space Foundation  
15835 East Main Street, Studio Q  
La Puente, CA 91744



EcoVoices Institute

# EcoVoices for EcoRangers



## Water Quality Authority

### AGREEMENT FOR PROFESSIONAL SERVICES

This Agreement is made and entered into this \_\_\_\_ day of \_\_\_\_ 2019 by and between the San Gabriel Basin Water Quality Authority (WQA) and the EcoVoices Institute, a Project of the Founders of the World Space Foundation (World Space). The purpose of the EcoVoices Institute to create and sustain innovative, effective, and outstanding educational programs for ecological research and stewardship.

SCOPE OF WORK: World Space agrees to perform the professional services and tasks set forth as follows:

1. Create, design, and produce, as part of the larger EcoVoices community outreach curriculum, courses, inquiry stations, science journals, mimewrighting scenarios and other associated components on the theme of WATER QUALITY, specifically: GROUNDWATER POLLUTION and GROUNDWATER CLEANUP, with the guidance of WQA expertise.
2. Implement the WATER QUALITY curriculum as part of the SUMMER & FALL 2019 community outreach to Los Angeles County Parks, After School Programs, and other K-12 venues including at least 5 Parks, and 5 school districts within the service area of the WQA.
3. Implement the WATER QUALITY curriculum as part of the FALL 2019 community outreach to at least 5 K-8 schools within the service area of the WQA.
4. Provide photographs and write-ups to enable the WQA to publicize its participation as an EcoVoices partner. Include the WQA logo where appropriate (letterhead, banners, science journals, etc.), to indicate its status as an EcoVoices partner.

COMPENSATION: EcoVoice Institute, a project of World Space, shall perform the Professional Services at a total cost of \$15,000, payable to the "World Space Foundation".

INTELLECTUAL PROPERTY: World Space enthusiastically embraces the task of creating a suite of educational products for EcoVoices that communicate WQA community outreach themes. World Space reserves the intellectual property rights to benefit the authors of those efforts, to be shared as revenue-producing work, on a case by case basis, with its collaborative partners.

GENERAL PROGRAM DEVELOPMENT: This Agreement funds activities carried out in concert with several collaborative entities, including but not limited to: the Los Angeles County Department of Parks & Recreation, the La Puente Valley County Water District, and the San Gabriel Valley Water Company.

\_\_\_\_\_  
Ken Manning, Executive Director

  
Richard Shope, President



## EcoVoices Institute



EcoVoices Institute: A Project of the Founders of the World Space Foundation  
Contact: Dr. Richard Shope, 15835 East Main Street, Studio Q, La Puente, CA 91744



**EcoVoices** for EcoRangers



**2017**

**Bringing the Science of Water to Schools and Parks**  
 Lectures Program Sponsored by San Gabriel Basin Water Quality Authority & Hands-On Approach.



**2016**

**Teaching Kids the Science of Water**  
 San Gabriel Basin Water Quality Authority Sponsors EcoVoices Summer Programs

**DROUGHT OR NOT**  
 THE WISDOM of WATER CONSERVATION



**2018-2019**

**DR. SHOPE** & THE **EcoVoices**  
 THE WANDERING SCHOLAR MIMETROUPE

**A LIVELY SHOW**  
 SCIENCE PERFORMED WITH  
 THEATRICAL ENERGY

**EcoVoices** for EcoRangers

**World Space Expedition Truck**  
 Acquired Summer 2018 through a grant from the  
**San Gabriel Basin**  
**Water Quality Authority**



**OUR COMMUNITY SPONSORS**



**Water Quality Authority**

**Since 2016**



**Since 2017**



**Since 2017**

*Thank You!*

# EcoVoices® for EcoRangers *from Astronauts to Urbanauts*

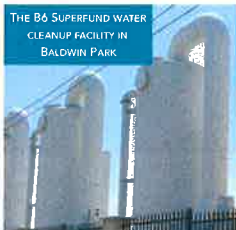
THREE HANDS-ON, MINDS-ON COURSES TO EXPLORE, DISCOVER, UNDERSTAND

## **EcoVoices: the Wonders of Nature!**

PRODUCE KNOWLEDGE, CREATE A PROJECT, PERFORM A PLAY

Inquiry is the Art of Science

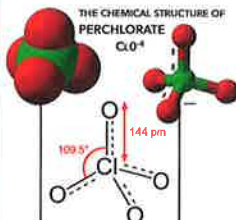
THE B6 SUPERFUND WATER  
CLEANUP FACILITY IN  
BALDWIN PARK



A SIMPLIFIED CUTAWAY VIEW OF THE  
UNDERLYING STRUCTURE OF A BASIN,  
TYPICAL OF THE LOS ANGELES AREA.



THREE WAYS TO THINK ABOUT  
THE CHEMICAL STRUCTURE OF  
PERCHLORATE  $\text{ClO}_4^-$



### **Water Quality**

Water quality is a critical issue  
WORLDWIDE.

How do we know how clean the  
water is that comes out of the tap?

We examine the dynamics of the  
Superfund Cleanup Technologies  
that operate 24/7 to provide clean  
water for residents of the San  
Gabriel River Basin.

### **Watershed Hydrogeology**

A watershed is formed by the  
interaction of the water cycle and  
the regional geology.

Where does our drinking water  
come from?

We look at how water flows, how  
it transports particles, how  
groundwater becomes our most  
important water resource.

### **Chemical Space**

Chemistry is the study of the  
interaction of atoms and molecules.  
Chemical space is wherever these  
interactions happen.

We look at how we keep chemicals  
where they belong, to PREVENT the  
problems of pollution that have  
consequences for our health and  
well-being

¿How do we CONSERVE the GROUNDWATER!

¿How do we measure the WATER we SAVE!

¿How much WATER do we USE!

¿Where do we get our WATER!

- THE WATER CYCLE
- OUR REGIONAL WATERSHED
- LOCAL WATER QUALITY
- MEASURING our WATER USE
- WATER CONSERVATION

¿LEARN HOW we can REALLY make a DIFFERENCE!

*World Space aligns with the Next  
Generation Science Standards:  
Understanding the Scientific  
Enterprise, The Nature of Science*

*Students APPLY Cross-Cutting  
Concepts in REAL-WORLD  
Contexts.*

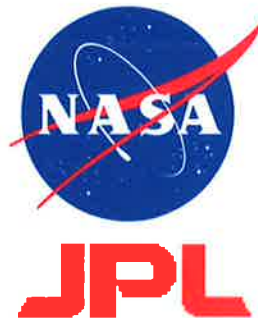


2002-PRESENT, *Current and ongoing President & CEO*  
**WORLD SPACE FOUNDATION**

- Science Educator/Speaker/Performer
- World Space *Enterprise Expeditions*

*World Space programs reach over 5000 Students each year*

*From 1994-2009, Dr. Shope coordinated science education  
and public outreach programs for various flight projects at  
NASA's Jet Propulsion Laboratory (JPL); (Pluto,  
Mars, Jupiter, Europa, the Sun, the Moon, and more);  
created science highlights for NASA Headquarters; and  
served as Principal Investigator for NASA-funded  
education and public outreach projects.*



**SHOPE**  
PERFORMANCE GROUP

*From 1971-1994, the MIME Wrighting program  
reached over one million schoolchildren  
nationally and throughout Southern California as  
students and continues to this day as students  
ACT OUT THE SCIENCE STORY!*



# MimeWrighting

*Wright About, Read Aloud, Mime Along*



## OUR METHOD:

Since 1983, a proven method for active learning, developed by Dr. Shope, performed with theatrical energy for over *two million youth!*

**FULFILLS Next Generation Science Standards:**

**Understanding the Scientific Enterprise**

*The Nature of Science*

*The Power of Scientific Inquiry*

*Demystifying the Language & Literature of Science*

## ECORANGERS:

- ✓ Work with Science Mentors & Inquiry Coaches
  - ✓ Read Science Literature
  - ✓ Go on a Science Expedition
  - ✓ Apply Scientific Methods
  - ✓ Wright Science Journals
- (Write, Draw, Discuss, Perform)*
- ✓ Investigate Phenomena
  - ✓ Gather Data, Interpret Results
  - ✓ Communicate Discoveries



## World Space Enterprise Expeditions



*Institutes for Scientific, Educational, & Literary Enterprises*  
Wandering Scholar Press • World Space ScienZjournal • Evaluated +

**We Champion Science Creativity & Talent**



# EcoRangers

*from Astronauts to Urbanauts*

# SPACEFARING

*Transdisciplinary Sciences & Technologies of Space*



# EcoVoices

*Ecological Sciences and Environmental Action*



ScienZjournal

# ViroSphere

*The Marvels of Health & Well-Being*



# ArctiQuest

*Exploring Ice in the Solar System*



enter the cryosphere



# EcoVoices for EcoRangers



## EcoResilience Preserve

*A World Space for Scientific Inquiry*

***How to Create & Sustain  
An Outdoor Environmental Science  
Research & Learning Enterprise***

By Richard E. Shope III, Ed.D.

Who We Are:



**EcoVoices Institute**

A Project of the  
World Space Foundation  
Dr. Richard Shope, President

Our Sponsors:



# How to Create and Sustain an EcoResilience Preserve As A World Space for Scientific Inquiry

"Doing research is a different activity than learning by course work."  
— E. David Ford, author of *Scientific Method for Ecological Research* (2002)

## EcoVoices for EcoRangers

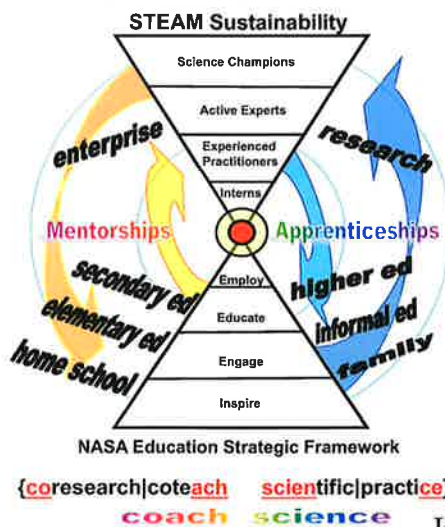
The Role of Science in a Participatory Democracy

As **World Scientists**, we inform ourselves & communicate to Decision-Makers  
As **EcoRangers**, we Participate *as* Decision-Makers within our own Communities

## WATERS: Watershed Awareness Training for Ecological Research & Stewardship Ecological Research Apprenticeships & Mentorships Youth Workforce Development

Science, Technology, Engineering, Arts, Math:  
SocioEcoSystem view of Entry Opportunities

Science Education is the Engine of Job Creation



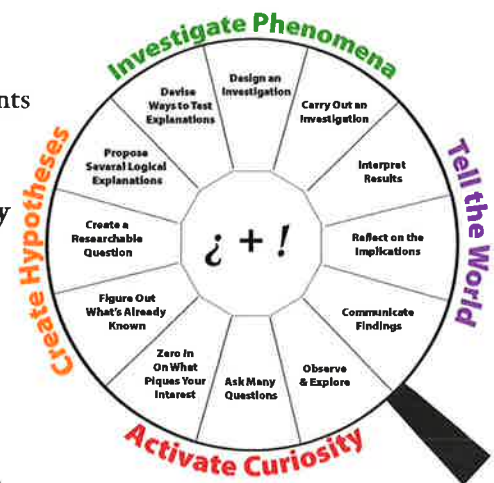
**Scientific Inquiry**  
Keeping a *ScienZjournal*  
Developing the Twelve Golden Talents  
of the Inquiry Wheel

## Ecosystem Assessment Survey

Biodiversity  
Soil Quality  
Water Quality  
Water Resources  
Watershed Dynamics  
EcoResilience

## Transformative Conservation

Native Plants versus Invasive Species  
Indigenous & Urban Gardening Practices



**Twelve Golden Talents  
of the Inquiry Wheel**

## Human Impact

Urban Ecology  
Life at the Urban Edge  
GREENgineering Solutions

## Outdoor Science Learning

Applying the *E&U Science Performance Model*  
Creating a Suite of Hands-On Field Collaboratories  
Tiered {Apprenticeship | Mentorship} Model  
for Participatory Action Research



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***Explore, Discover, Understand...Enterprise!***

**WORKING DEFINITION: ENTERPRISE = PROJECT, with a  $\Delta$  twist**

REAL-WORLD **PROBLEMS** that students genuinely want to solve  
 REAL-WORLD **QUESTIONS** that students genuinely want to answer<sup>1</sup>  
 ...that naturally entail a suite of applied language and inquiry skills, such as:  
 reading, writing, speaking, enacting, calculating, analyzing, synthesizing,  
 designing, investigating, constructing, modeling, conceptualizing,  
 communicating, rehearsing, practicing, performing...  
 that contributes to REAL-WORLD **CHANGE** ( $\Delta$ )<sup>2</sup>

## How to Be & Become a Scientist...

## Your Enterprising Thoughts

**en-ter-prise** also **en-ter-prize** \R'ento(r)prīz, -R-tap- \n s  
 [ME, fr. MF *entreprise*, fr. fem. of *entrepris*, past part. of  
*entreprendre* to undertake, fr. *entre-* inter- (fr. *L inter-*) +  
*prendre* to take, fr. *L prehendere* to seize, grasp — more at  
 GET] **1 a** : a plan or design for a venture or undertaking  
 <his friends judged his novel ~ to be impractical and urged  
 him to forget it> **b** : VENTURE, UNDERTAKING, PROJECT; *esp* :  
 an undertaking that is difficult, complicated, or has a strong  
 element of risk (indicate the ... important ~s in which he had  
 been engaged, probably battles, expeditions, or treaties of  
 peace — W.A. Mason) <his new ~, a restaurant on Fifth  
 avenue, met with complete failure> <exploring the English  
 character has long been a favorite ~ of literary men — H.S.  
 Commager> <a military ~ of major scope> **c** : a unit of  
 economic organization or activity (as a factory, a farm, a  
 mine); *esp* : a business organization : FIRM, COMPANY <an old  
 ~ specializing in scientific textbooks — *Current Biog.*> <pro-  
 posed to encourage the growth of small independent ~s>  
**d** : any systematic purposeful activity or type of activity  
 <agriculture is the principal economic ~ among these people>  
 <history, more than any other literary ~, puts the writer in  
 the debt of other people — J.K. Galbraith> <the ... problem  
 of the nature of philosophy and the philosophical ~ itself  
 — J.E. Smith> **2** : readiness to attempt or engage in what  
 requires daring or energy : a bold energetic questing spirit  
 ; independence of thought : INITIATIVE, ENERGY <the public  
 rarely shows ~ when in search of entertainment — Tyrone  
 Guthrie> <complained of his lack of ~>  
**2 enterprise** \- \ vb -ED/-ING/-S **VI** : to venture upon : UNDER-  
 TAKE, LAUNCH <new churches are being *enterprised* in every  
 area in America — *Time*> ~ **VI**, *archaic* : to undertake an  
 enterprise  
**en-ter-prise-less** \-lās/ *adj* : lacking enterprise : UNAMBITIOUS  
**en-ter-pris-er** \-zər/ *n* **s** : one who undertakes an enter-  
 prise; *specif* : ENTREPRENEUR  
**enterprising** *adj* : characterized by a bold daring energetic  
 spirit or by independence or originality of thought : prompt or  
 ready to undertake or experiment : **ENERGETIC**, **DAUNTING**  
 <the ~ thinkers who ... can never be satisfied with 1, 2> <~ mi-  
 enterprising-ness Today> <~ peasants who ... adobe or inspired pre-  
 and skits> Hans Nabholz> recharacterized by, or  
 <even the smile ~ Geon-  
 consciousness  
**2 entertain** *n* -s **vb** *trans* <and troops over-  
 2 enter-tain-er *n* -s **vb** *trans* <entertainment  
 rest of the stories> *trans* <with new and new  
 -Taliaferro Boat  
 fessionally <sent a  
 entertaining *adj* <the  
 and instructive *vb*  
 -en-ter-tain-ly  
 en-ter-tain-me *n* -s **vb** *trans* <the act of  
 taining> *trans* <the act of  
 and a book argument for the ~ of the company>

**en-thuse** \  
enthusiasm,  
thrustastic  
merchandise  
express (as:  
he enthused  
astice : expri-  
to ~ over  
—L.G.Pine  
**on-thu-si-a-**  
thousiasmos  
thous inspir  
more at TI  
superhuman  
: a state i  
: TRANSPOR  
of religion:  
the ~ and  
excitement  
zeal or int  
with ~) (t  
is pursui  
sailing) (t)  
PASSION  
**en-thu-si-a-**  
astes, fr. er.  
self to be i  
society of  
spirit-posse  
ary, extrav.  
or emotion  
faith trans  
Brown)  
object, g  
Biog.)  
~Ti  
capacity for pas  
ciousness  
local temple —A.B.  
mistakenly  
aching  
manifest  
lived with  
~ golfer ad  
responsive to  
teative enga  
and ~ me  
rechaite : ENT  
stokál, -stí  
ty / stók  
En(t)(th  
E-fé)  
rm  
There are  
may not be  
ed.

<sup>1</sup> Shope III, R. (1997). Class Notes. Adapted from Krashen, Stephen D. (1992) Fundamentals of Language Education. Torrance CA: Laredo Publishing Co.

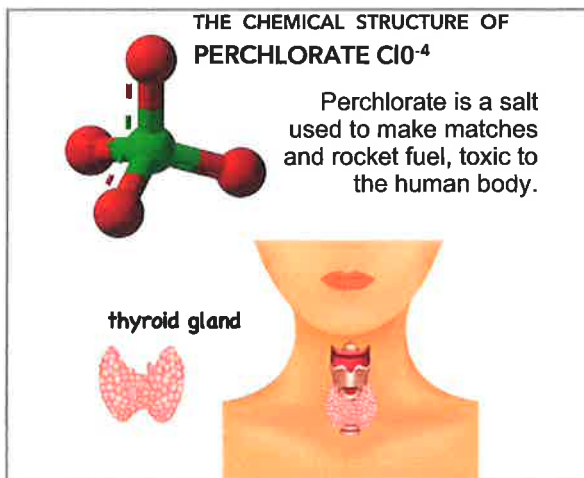
<sup>2</sup> “Δ” is the Greek letter DELTA, which is used by scientists as a symbol to signify “change.”

<sup>3</sup>"Enterprise." Webster's 3rd New International Dictionary (unabridged). Chicago: G. & C. Merriam Co., 1976.



**SINGLE PASS ION EXCHANGER**

**QUESTIONS, THOUGHTS, & DISCOVERIES ABOUT PERCOLATING PERCHLORATE!**



**PHENOMENON**

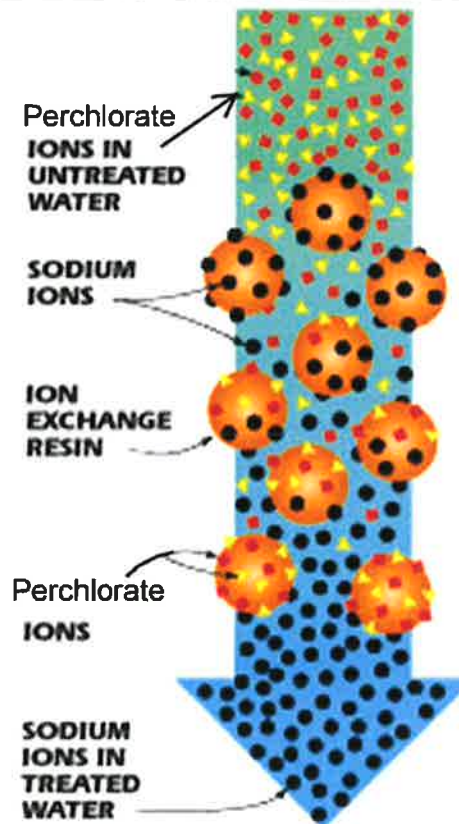
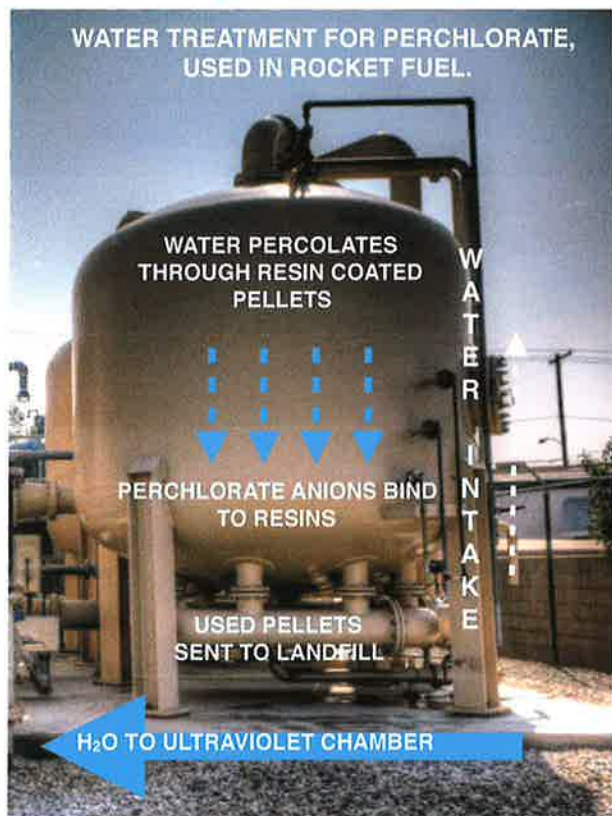
“ANION” means that the molecule is negatively charged; therefore a positively charged molecule will have the effect of attracting and binding the ANION. How can we apply this knowledge?

**HISTORY**

In 1997, perchlorate, was found in the La Puente Valley wellfield that made the water unhealthy for drinking. The source of contamination was traced to aerospace companies that had stored rocket fuel improperly. Cleanup technologies were pioneered and placed into operation for the first time, in 2000. Since then, the single pass ion exchanger has been operating 24/7.

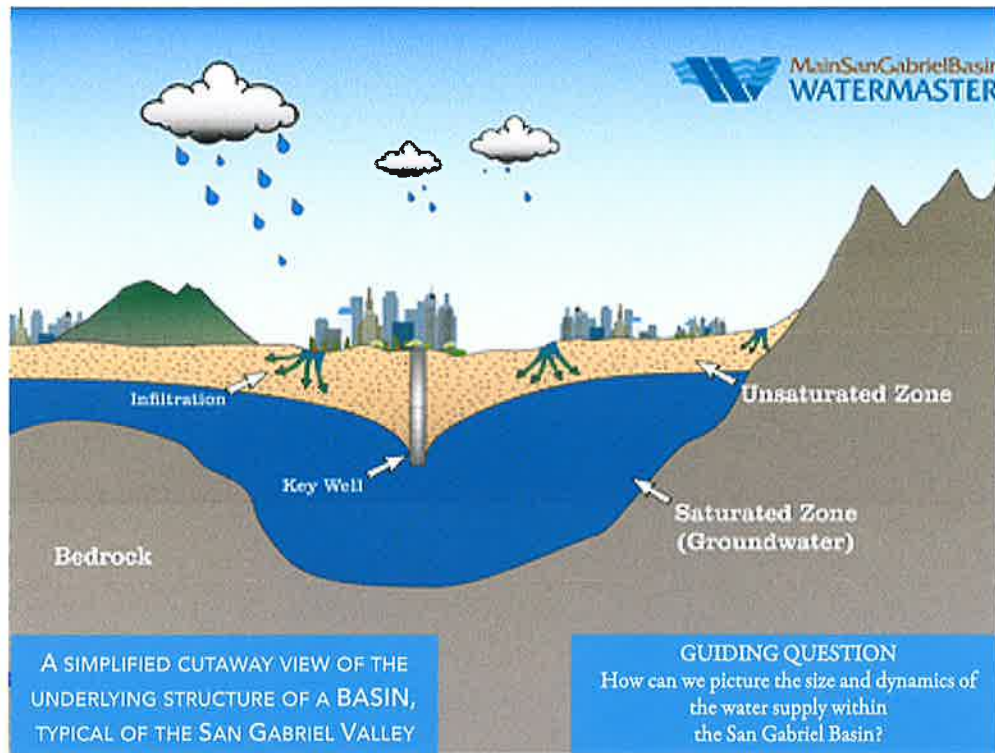
**GUIDING QUESTION**

How can we remove perchlorate once it has contaminated the water supply?



THE PUENTE VALLEY OPERATING UNIT WATER CLEANUP FACILITY IN BALDWIN PARK  
SINGLE PASS ION EXCHANGER THAT PERCOLATES THE PERCHLORATE.

# The Structure of a Water Basin



## PHENOMENON

The San Gabriel Valley forms a basin, like a deep bowl between the San Gabriel Mountain range and the uplifted hills that formed on either side of the Whittier Narrows. Over time, the rivers and tributaries in the area deposited rocks, boulders, gravel, sand, and other sediments—and the WATER SUPPLY for residents, industry, and agriculture.

## Ecosystem Survey ScienZjournal

**Qualia: Qualitative Data**

**Quantica: Quantitative Data**

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Our Sponsors:





# EcoVoices

## The MEASUREMENT of WATER USE



### Phenomenon

When we step up to a faucet, we expect the water to flow IMMEDIATELY. Just think about how many places in the community where water has to be, **READY TO FLOW!** A water agency has to make sure the water is flowing through all the pipes, with the right pressure, clean and ready to use.

Managing the flow of water requires measuring volumes of water, on a large scale for the overall supply, and at the end-user scale to be able fairly distribute the costs of water use within the community. At the large scale, we speak in terms of **ACRE FEET**, and at the end-user scale, **UNITS**.

### Guiding Questions

Where is the water meter where you live?

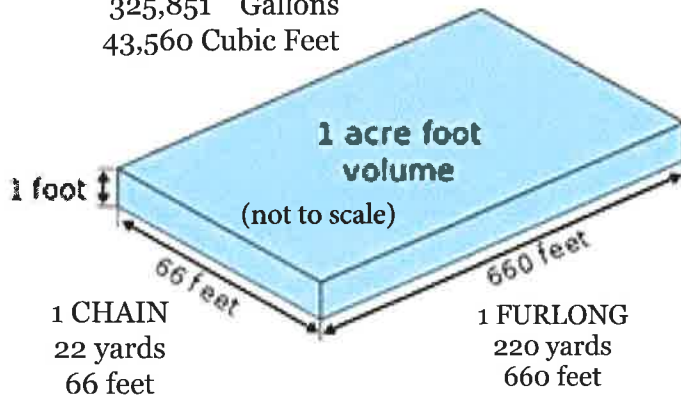
How many **UNITS** of water have been measured according to your water bill ?

Where does water come in and go out where you live?

What are the relationships among different categories of water use: Household, Agricultural, Commercial, Industrial?

**ACRE FOOT** (of water):  
the amount of water needed to  
cover an acre, one foot deep in water.

325,851 Gallons  
43,560 Cubic Feet



An Acre is a unit of measure from medieval times: the area you can plough in a day's work!

**UNIT** (of water): 748 gallons of water,  
the number of gallons in 100 cubic feet  
1 cubic foot of water = 7.48 gallons



How many **UNITS** are in one **ACRE FOOT**?

**QUESTIONS, THOUGHTS, & DISCOVERIES ABOUT THE MEASUREMENT OF WATER**

*This World Space ScienZjournal belongs to: \_\_\_\_\_ Date: \_\_\_\_\_*

**CASE STUDY**  
**How to CONSERVE**  
**WATER at HOME &**  
**in the COMMUNITY**

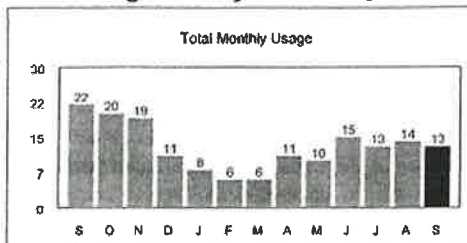
**How to Read a Water Bill**

**Current Reading** Based on Actual

Meter Size	Meter Read Dates		Number Of Days	Meter Reading		Usage CCF	Meter Number
	From	To		From	To		
5/8"	08/15/2017	09/14/2017	31	1074	1087	13	72669159

\*CCF (100 Cubic Feet) = 748 Gallons of Water

**Water Usage History - 13 Month Usage in CCF\***



■ Previous Months' Usage ■ Current Month's Usage

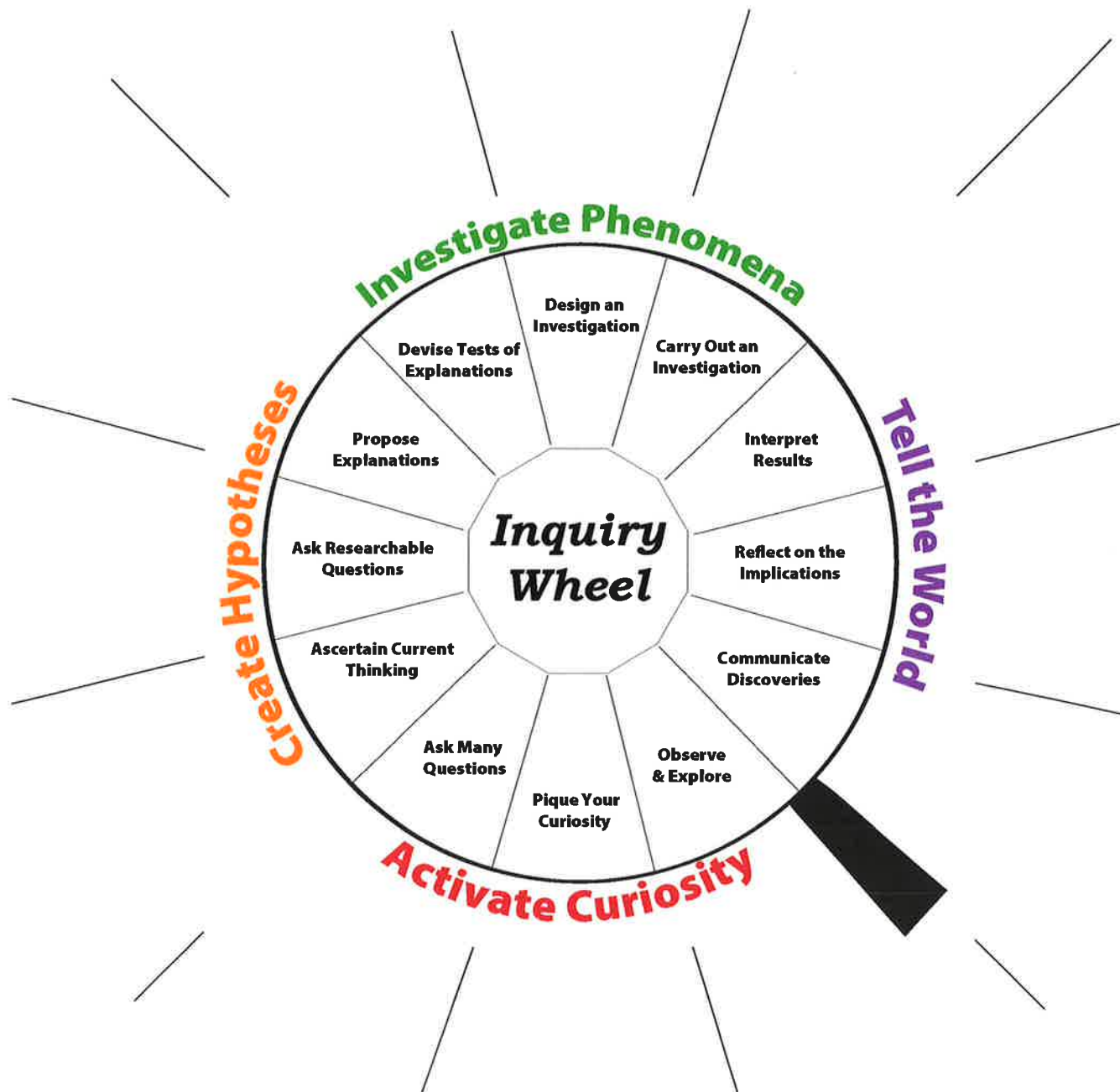
**Account Summary**

Previous Balance		\$61.38
Payment Received		\$0.00
Payment Received 09/06/2017 - Thank You		-\$61.38
<b>Balance Before Current Charges</b>		<b>\$0.00</b>
Service Charge		\$13.11
Water Charge		\$34.50
	13 @ 2.6540 =	34.50
Public Purpose Program	13 x 0.0400	\$0.52
CPUC Surcharge	48.13 x 1.44%	\$0.69
Whittier Tax	47.61 x 5.00%	\$2.38
Local Government Fee	47.61 x 12%	\$5.71
<b>Total Current Charges Past Due After 10/03/2017</b>		<b>\$56.91</b>
<b>Total Balance Including Current Charges</b>		<b>\$56.91</b>

**Message Center**



# The Golden Talents of Scientific Inquiry

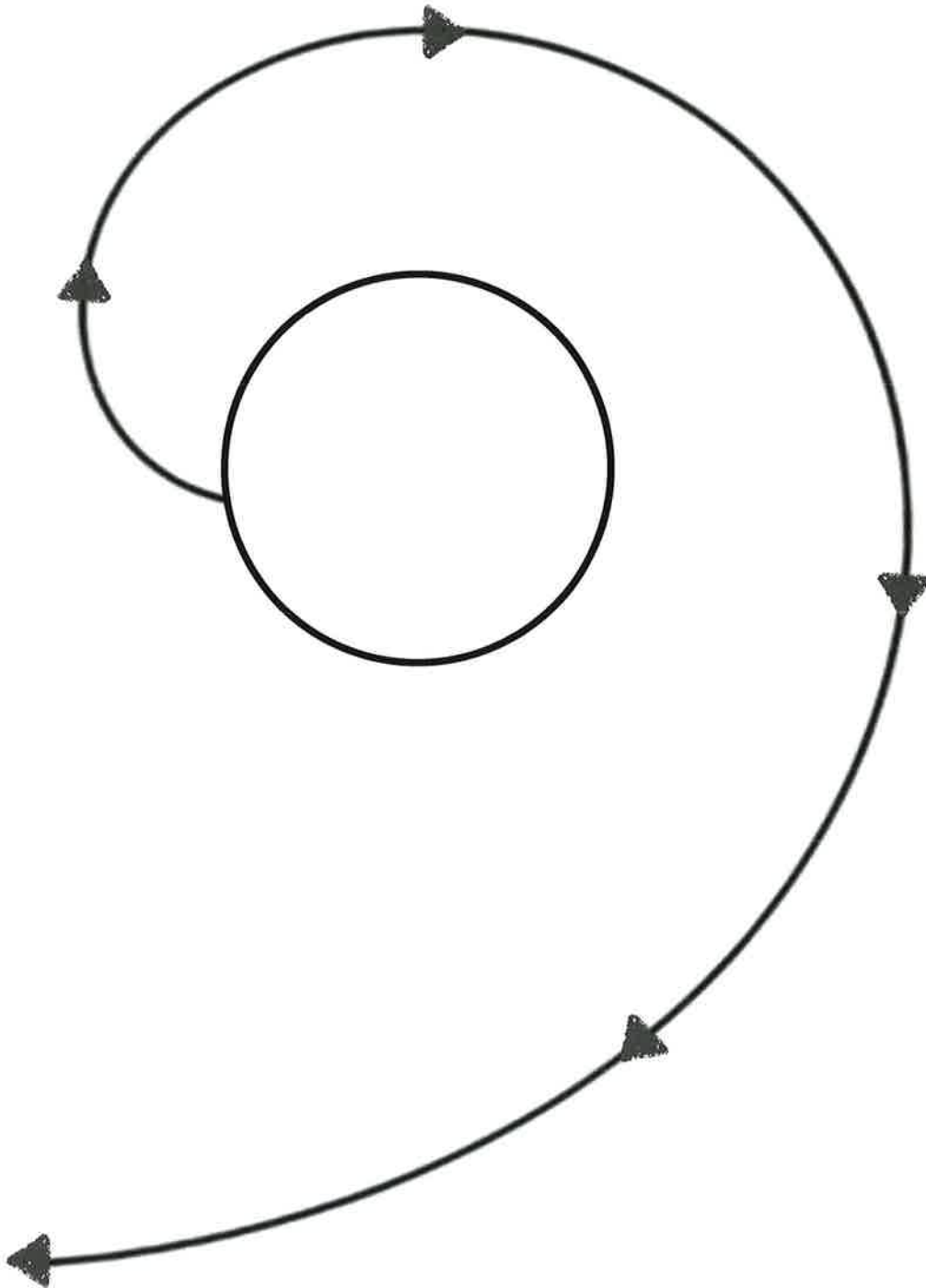


*This ScienZjournal belongs to* \_\_\_\_\_

*Date:* \_\_\_\_\_ *Phenomenon:* \_\_\_\_\_



Document how you *ENTERPRISE Your CASE STUDY* at least FIVE WAYS, using the Inquiry Wheel.

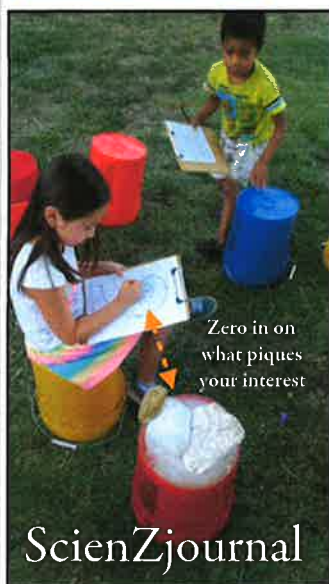
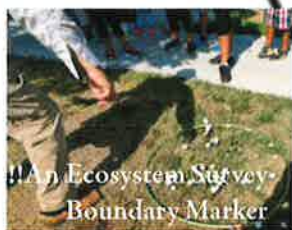


# EcoVoices for EcoRangers

## Ecosystem Survey



## Observation Protocols



**OUTDOOR SCIENCE LEARNING**  
To study the importance of water in the watershed ecosystem, for biodiversity, water quality, and water conservation.

## Expedition Briefing

**What do we need?**

- ...To get Ready?
- ...On the Way?
- ...Once we're there?

## SCIENTIFIC INQUIRY

**Qualia: Qualitative Data**

**Quantica: Quantitative Data**

## KEY CONCEPTS:

**Watershed**

**Ecosystem**

**Water Cycle**

**Water Quality**

**Conservation**

**Water Use Efficiency**

**Ecosystem Services**

**Microclimate**

**WATER!!!**

**FOLLOW THE WATER....**

**EcoVoices!**

**Calling all EcoRangers!**

## LEARN & PRACTICE:

- 1) HOW to BE & BECOME a WORLD SCIENTIST
- 2) HOW to go on an SCIENCE EXPEDITION
- 3) HOW to SURVEY & MAP a MICROECOSYSTEM
- 4) HOW to Keep a ScienZjournal
- 5) HOW to be an Enterprising EcoRanger!!

# GUIDELINES for SCIENCE MENTORS & INQUIRY COACHES

## 3) BRIEF RESEARCH SQUAD

about YOUR ecoresilience investigation:  
Use & explain key concepts, such as,  
*ecosystem, sampling, community,*  
*population, etc.*

## 2) HAND OUT

their *ScienZjournals*,  
w/ clipboards & pencils  
Everyone writes  
their name... and  
starts taking notes

JOB: Your role is to MENTOR  
a research squad (5-6  
EcoRangers) re: *How to*  
*BE & BECOME a SCIENTIST*

4)

TELL EcoRangers  
what you are doing TODAY  
*e.g. collecting samples,*  
*examining specimens*  
AND let them know EXPLICITLY  
what you WANT THEM to do:  
*observe, draw, make a map*  
– and any NOT-TO-DOS

## 5) TALK OUT LOUD

about your  
thoughts as  
you enact  
your  
research; as  
you  
document  
what you find;  
as you take  
your turn at  
the  
microscope;  
express your  
true  
excitement  
about the  
discoveries  
you are  
making;  
discuss  
obstacles,  
mistakes,

## 6) ALONG THE WAY

invite  
Ecorangers  
to notice  
which  
Scientific  
Inquiry  
Talent you  
are  
practicing  
(refer them  
to the  
Inquiry  
Wheel).

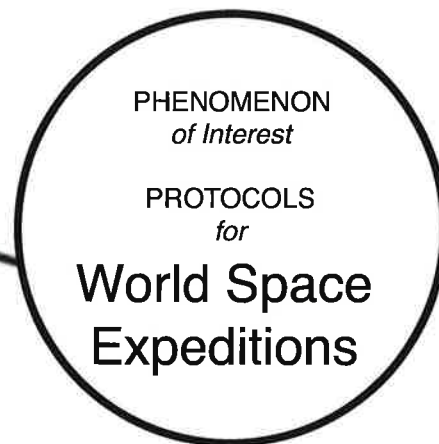
## 1) INTRODUCE

yourself, as a science-  
savvy college student,  
tell a story about your  
interest in science.

**Highlights for  
Introduction:**

## 7) CULMINATING COLLOQUIUM

engage WITH students to develop a  
dynamic and participatory presentation of  
PRELIMINARY FINDINGS– performed  
with *Theatrical Energy*, using the  
*MimeWrighting Method*



**EcoVoices**®  
for **EcoRangers**

## Calendars

SGVMWD

TVMWD

USGVMWD

WM

WQA

Apr 11 - Jul 10, 2019

**Wednesday** Apr 17, 2019

8:00am - 10:30am [TVMWD Board Mtg.](#)

10:00am - 11:00am [Upper District Board Meeting](#)

12:00pm - 1:00pm [WQA Board Meeting](#)

**Thursday** Apr 18, 2019

11:30am - 1:00pm [SCWUA Meeting](#)

**Wednesday** Apr 24, 2019

4:30pm - 5:30pm [USGVMWD Water Policy Committee Meeting](#)

**Thursday** Apr 25, 2019

4:30pm - 5:30pm [Admin and Finance Committee meeting](#)

**Wednesday** May 1, 2019

8:00am - 10:30am [TVMWD Board Mtg.](#)

10:00am - 11:00am [Upper District Board Meeting](#)

2:30pm - 3:30pm [Watermaster Board Meeting](#)

**Monday** May 6, 2019

All day » [ACWA Spring Confernece](#)

**Tuesday** May 7, 2019

» All day » [ACWA Spring Confernece](#)

5:30pm - 6:30pm [USGVMWD Gov Affairs Committee Meeting](#)

**Wednesday** May 8, 2019

» All day » [ACWA Spring Confernece](#)

11:00am - 12:00pm [WQA Leg/Pub Committee](#)

**Thursday** May 9, 2019

» All day » [ACWA Spring Confernece](#)

## Friday May 10, 2019

» All day

[ACWA Spring Conferenece](#)

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## Tuesday May 14, 2019

10:00am - 11:00am

[WQA Admin/Finance Committee](#) ↻

11:00am - 12:00pm

[WQA Engineering Committee](#) ↻

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## Wednesday May 15, 2019

8:00am - 10:30am

[TVMWD Board Mtg.](#) ↻

10:00am - 11:00am

[Upper District Board Meeting](#) ↻

12:00pm - 1:00pm

[WQA Board Meeting](#) ↻

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## Wednesday May 22, 2019

4:30pm - 5:30pm

[USGVMWD Water Policy Committee Meeting](#) ↻

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## Thursday May 23, 2019

11:30am - 1:00pm

[SCWUA Meeting](#)

4:30pm - 5:30pm

[Admin and Finance Committee meeting](#) ↻

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## Tuesday Jun 4, 2019

5:30pm - 6:30pm

[USGVMWD Gov Affairs Committee Meeting](#) ↻

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## Wednesday Jun 5, 2019

8:00am - 10:30am

[TVMWD Board Mtg.](#) ↻

10:00am - 11:00am

[Upper District Board Meeting](#) ↻

2:30pm - 3:30pm

[Watermaster Board Meeting](#) ↻

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## Thursday Jun 6, 2019

All day

[SCWUA Golf Tournament](#)

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## Sunday Jun 9, 2019

All day »

[AWWA ACE 19](#)

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## Monday Jun 10, 2019

» All day »

[AWWA ACE 19](#)

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## Tuesday Jun 11, 2019

## Tuesday Jun 11, 2019

- » All day » [AWWA ACE 19](#)
  - 10:00am - 11:00am [WQA Admin/Finance Committee](#) ↻
  - 11:00am - 12:00pm [WQA Engineering Committee](#) ↻
- 

## Wednesday Jun 12, 2019

- » All day [AWWA ACE 19](#)
  - 11:00am - 12:00pm [WQA Leg/Pub Committee](#) ↻
- 

## Wednesday Jun 19, 2019

- 8:00am - 10:30am [TVMWD Board Mtg.](#) ↻
  - 10:00am - 11:00am [Upper District Board Meeting](#) ↻
  - 12:00pm - 1:00pm [WQA Board Meeting](#) ↻
- 

## Wednesday Jun 26, 2019

- 4:30pm - 5:30pm [USGVMWD Water Policy Committee Meeting](#) ↻
- 

## Thursday Jun 27, 2019

- All day [SCWUA Meeting](#)
  - 4:30pm - 5:30pm [Admin and Finance Committee meeting](#) ↻
- 

## Tuesday Jul 2, 2019

- 5:30pm - 6:30pm [USGVMWD Gov Affairs Committee Meeting](#) ↻
- 

## Wednesday Jul 3, 2019

- 8:00am - 10:30am [TVMWD Board Mtg.](#) ↻
  - 10:00am - 11:00am [Upper District Board Meeting](#) ↻
  - 2:30pm - 3:30pm [Watermaster Board Meeting](#) ↻
- 

## Tuesday Jul 9, 2019

- 10:00am - 11:00am [WQA Admin/Finance Committee](#) ↻
  - 11:00am - 12:00pm [WQA Engineering Committee](#) ↻
- 

## Wednesday Jul 10, 2019

- 11:00am - 12:00pm [WQA Leg/Pub Committee](#) ↻
-

