AGENDA
REGULAR MEETING BOARD OF DIRECTORS
ORANGE COUNTY WATER DISTRICT
18700 Ward Street, Fountain Valley, CA (714) 378-3200
Wednesday, April 4, 2018 – 5:30 p.m.

Teleconference Site:
6955 S. Tucson Blvd, Tucson, AZ
714-749-6386

*** Members of the public may attend and participate at both locations.**

PLEDGE OF ALLEGIANCE

ROLL CALL

- **PRESENTATION BY ASSOCIATION OF CALIFORNIA WATER AGENCIES/JOINT POWERS INSURANCE AUTHORITY (ACWA/JPIA) CHIEF FINANCIAL OFFICER ANDY SELLS OF RETROSPECTIVE PREMIUM ADJUSTMENT STABILIZATION REFUND**

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

RECOMMENDATION: Adopt resolution determining need to take immediate action on item(s) and that the need for action came to the attention of the District subsequent to the posting of the Agenda (requires two-thirds vote of the Board members present, or, if less than two-thirds of the members are present, a unanimous vote of those members present.)

VISITOR PARTICIPATION

Time has been reserved at this point in the agenda for persons wishing to comment for up to three minutes to the Board of Directors on any item that is not listed on the agenda, but within the subject matter jurisdiction of the District. By law, the Board of Directors is prohibited from taking action on such public comments. As appropriate, matters raised in these public comments will be referred to District staff or placed on the agenda of an upcoming Board meeting.

At this time, members of the public may also offer public comment for up to three minutes on any item on the Consent Calendar. While members of the public may not remove an item from the Consent Calendar for separate discussion, a Director may do so at the request of a member of the public.

CONSENT CALENDAR (ITEMS NO. 1 - 8)

All matters on the Consent Calendar are to be approved by one motion, without separate discussion on these items, unless a Board member or District staff request that specific items be removed from the Consent Calendar for separate consideration.

1. APPROVAL OF CASH DISBURSEMENTS

RECOMMENDATION: Ratify/authorize payment of bills

2. APPROVAL OF MINUTES OF BOARD MEETING HELD MARCH 7, 2018

RECOMMENDATION: Approve minutes as presented

3. AMENDMENT TO ENCROACHMENT LICENSE TO CITY OF ANAHEIM ADDING NORTH BASIN REMEDIAL INVESTIGATION MONITORING WELLS AM-55A, AM-55B, AM-56A, AND AM-56B

RECOMMENDATION: Authorize issuance of Second Amendment to City of Anaheim Encroachment License No. ENC 2015-00153 for the purpose of constructing, monitoring, and maintaining North Basin RI monitoring wells AM-55A, AM-55B, AM-56A, and AM-56B in City of Anaheim right-of-way

ITEMS RECOMMENDED FOR APPROVAL AT PROPERTY MANAGEMENT COMMITTEE MEETING HELD MARCH 23 (ITEMS NO. 4 - 7)

4. AGREEMENT WITH ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA) FOR THE ACQUISTION OF PROPERTY LOCATED AT THE EAST SIDE OF PACIFIC STREET AT SPENCER AVENUE FOR THE CALTRANS I-405 IMPROVEMENT PROJECT

RECOMMENDATION: Approve and authorize execution of Orange County Transportation Authority (OCTA) Right-Of-Way Contract, Grant Deed, and Temporary Construction Easement for the District's Deep Well 5 property located on the east side of Pacific Street at Spencer Avenue in Fountain Valley

5. GENTRY GOLF, INC. D.B.A THE ISLANDS GOLF CENTER AT BURRIS BASIN REQUEST TO RENEW LEASE

RECOMMENDATION: Direct staff to negotiate a one year lease extension with Gentry Golf, Inc. to commence when current lease expires

6. CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) PROPERTY AT BURRIS BASIN AND GENTRY GOLF, INC. D.B.A. THE ISLANDS CENTER LEASEHOLD

RECOMMENDATION:

1) Authorize the General Manager to transmit a letter to Caltrans initiating the "decertification" process for studying the option of selling the 1.3 acres at Burris Basin;

2) Approve an initial deposit of $35,000 to Caltrans to initiate the decertification process; and

3) Approve additional funds of $10,000 for additional professional services, if required for the decertification process

7. STATUS UPDATE ON THE GENERAL PLAN AMENDMENT AND ZONE CHANGE FOR THE BALL ROAD BASIN PROPERTY

RECOMMENDATION: Approve and authorize execution of agreement with Sagecrest Planning+Environmental for Land Entitlement and Government Relations Services to manage the entitlement process of Ball Road Basin for a fee not to exceed $5,000

ITEMS RECOMMENDED FOR APPROVAL AT RETIREMENT COMMITTEE MEETING HELD MARCH 27 (ITEM NO. 8)

8. RETIREMENT COMMITTEE "EMPLOYEE" VACANCY APPOINTMENTS:

RECOMMENDATION: Approve the appointments of the following employees to the Retirement Committee:

1) Sitting Member – Vishav Sharma (appointed for a two year term);

2) First Alternate – Dave Bolin (re-appointed for a another one year term); and

3) Second Alternate – Kevin O'Toole (appointed for a one year term)

END OF CONSENT CALENDAR

MATTERS FOR CONSIDERATION

9. ISSUANCE OF AMENDMENT NO. 1 TO BLACK & VEATCH FOR THE DESIGN OF THE GWRS FINAL EXPANSION PROJECT IN AN AMOUNT NOT TO EXCEED $921,300 AND ADOPT ENVIRONMENTAL DOCUMENTATION FOR REVISION TO OCSD PLANT 2 GWRS FACILITIES

RECOMMENDATION: Adopt resolution which includes the following actions:

1) Authorize issuance of Amendment No. 1 to Agreement No. 1248 with Black & Veatch for design phase services for the GWRS Final Expansion Project for an amount not to exceed $921,300;

2) Adopt the Final Mitigated Negative Declaration for Groundwater Replenishment System Final Expansion Water Conveyance Facilities Project; and

3) Authorize filing of the Notice of Determination for Final Mitigated Negative Declaration Groundwater Replenishment Final Expansion Water Conveyance Facilities Project

INFORMATIONAL ITEMS

10. FISCAL YEAR 2018-19 BUDGET WORKSHOP

11. SANTA ANA WATERSHED PROJECT AUTHORITY ACTIVITIES

12. COMMITTEE/CONFERENCE/MEETING REPORTS

- ► March 23 – Property Management Committee (Chair Sheldon)
- ► March 27 – Retirement Committee (Chair Dewane)

- ► Reports on Committees/Conferences/Meetings Attended at District Expense

13. **VERBAL REPORTS**

- PRESIDENT'S REPORT
- GENERAL MANAGER'S REPORT
- DIRECTORS' REPORTS
  - ► Reports on Conferences/Meetings Attended at District Expense (at which a quorum of the Board was present)
- GENERAL COUNSEL REPORT

ADJOURNMENT

Agenda Posting: In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Orange County Water District, 18700 Ward Street, Fountain Valley, CA and on the OCWD website: www.ocwd.com not less than 72 hours prior to the meeting date and time above. All written materials relating to each agenda item are available for public inspection in the office of the Assistant District Secretary. Backup material for the Agenda is available at the District offices for public review and can be viewed online at the District's website: www.ocwd.com.

Accommodations to the Disabled: Pursuant to the Americans with Disabilities Act, persons with a disability who require a disability-related modification or accommodation in order to participate in a meeting, including auxiliary aids or services, may request such modification or accommodation from the District Secretary at (714)378-3233, by email at jdurant@ocwd.com by fax at (714) 378-3373. Notification 24 hours prior to the meeting will enable District staff to make reasonable arrangements to assure accessibility to the meeting.

Availability of Agenda Material: As a general rule, agenda reports or other written documentation that has been prepared or organized with respect to each item of business listed on the agenda can be reviewed at www.ocwd.com. Copies of these materials and other disclosable public records distributed to all or a majority of the members of the Board of Directors in connection with an open session agenda item are also on file with and available for inspection at the Office of the District Secretary, 18700 Ward Street, Fountain Valley, California, during regular business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday. If such writings are distributed to members of the Board of Directors on the day of a Board meeting, the writings will be available at the entrance to the Board of Directors meeting room at the Orange County Water District office.

AGENDA ITEM SUBMITTAL

Meeting Date: April 4, 2018

To: Board of Directors

From: Mike Markus

Staff Contact: M. Ochoa

Budgeted: N/A
Budgeted Amount:
Cost Estimate $3,243,462.98
Funding Source: N/A
Program/Line Item No. N/A
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: APPROVAL OF CASH DISBURSEMENTS

SUMMARY

For the period March 15, 2018 through March 28, 2018 including manual checks and wire transfers, staff is presenting cash disbursements totaling $3,243,462.98 disbursed for each period as follows.

Accounts Payable:	
03/015/2018 to 03/021/2018	$ 653,664.60
03/22/2018 to 03/28/2018	$ 1,563,721.46
Payroll:	$ 1,026,076.92
Total Disbursements	$ 3,243,462.98

RECOMMENDATION

Ratify/Authorize payment of bills

PRIOR RELEVANT BOARD ACTION(S)

Semi-monthly

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85354	03/14/2018	Woodside, Greg	Inv# 1/4-2/3/18 STIPEND	1/4-2/3/18 phone stipend	($40.00)		
85354	03/14/2018	Woodside, Greg	Inv# 12/4/17-1/3/18 STIPEND	12/4/17-1/3/18 phone stipend	($40.00)		
85354	03/14/2018	Woodside, Greg	Inv# 2/4-3/3/18 STIPEND	2/4-3/3/18 phone stipend	($40.00)		
85354	03/14/2018	Woodside, Greg	Inv# 3/6/18 TRAVEL	3/6 Corona FIRO Steering Cte	($7.17)		
85354	03/14/2018	Woodside, Greg	Inv# 1/19/18 TRAVEL	1/19 Los Angeles Tri-post Meet	($55.00)		
	Total for Check:	85354				($182.17)	$1,209.12
85355	03/14/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	($641.57)		
85355	03/14/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	($1,635.17)		
85355	03/14/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	($520.96)		
85355	03/14/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	($245.71)		
85355	03/14/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	($146.71)		
85355	03/14/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	($57.25)		
85355	03/14/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	($1,868.76)		
	Total for Check:	85355				($5,116.13)	$7,029.83
85356	03/21/2018	BRENNTAG PACIFIC INC.	Inv# BPI819804	SUPPLY CITRIC ACID	$21,095.92		
85356	03/21/2018	BRENNTAG PACIFIC INC.	Inv# BPI819804	Discount	$620.59		
85356	03/21/2018	BRENNTAG PACIFIC INC.	Inv# BPI819804	Discount	($620.59)		
85356	03/21/2018	BRENNTAG PACIFIC INC.	Inv# BPI819804	SUPPLY CITRIC ACID	($21,095.92)		
	Total for Check:	85356				$0.00	$636,851.73
85357	03/21/2018	RED WING SHOE STORE	Inv# 413-1-18409	WORK BOOTS	$174.54		
85357	03/21/2018	RED WING SHOE STORE	Inv# 07-1-16121	WORK BOOTS	$174.54		
85357	03/21/2018	RED WING SHOE STORE	Inv# 3-1-33921	WORK BOOTS	$141.11		
85357	03/21/2018	RED WING SHOE STORE	Inv# 3-1-33922	WORK BOOTS	$58.89		
	Total for Check:	85357				$549.08	$5,512.98
85358	03/21/2018	ABSOLUTE STANDARDS INC.	Inv# 169074	LABORATORY SUPPLIES	$63.75		
	Total for Check:	85358				$63.75	$850.00
85359	03/21/2018	ACWA	Inv# INV005629	SB623 No Drink.Wtr.Tax Campaig	$15,000.00		

Orange County Water District

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
	Total for Check:	85359				$15,000.00	$47,600.00
85360	03/21/2018	AGILENT TECHNOLOGIES, INC.	Inv# 114451874	LABORATORY SUPPLIES	$2,533.66		
85360	03/21/2018	AGILENT TECHNOLOGIES, INC.	Inv# 114451876	LABORATORY SUPPLIES	$1,185.81		
85360	03/21/2018	AGILENT TECHNOLOGIES, INC.	Inv# 114451876	LABORATORY SUPPLIES	$858.69		
85360	03/21/2018	AGILENT TECHNOLOGIES, INC.	Inv# 114451876		$8.71		
	Total for Check:	85360				$4,586.87	$370,596.03
85361	03/21/2018	AIR RESOURCES BOARD	Inv# P-42118-0518	PORTABLE EQUIP.REG.	$570.00		
	Total for Check:	85361				$570.00	$570.00
85362	03/21/2018	ALLISON MECHANICAL, INC.	Inv# 69120	510 building A/C field service	$2,826.76		
	Total for Check:	85362				$2,826.76	$81,853.87
85363	03/21/2018	ALPINE POWER SYSTEMS, INC.	Inv# 0730783-IN	Enersys Modular Battery 2vpc D	$11,157.75		
85363	03/21/2018	ALPINE POWER SYSTEMS, INC.	Inv# 0730783-IN		$658.45		
85363	03/21/2018	ALPINE POWER SYSTEMS, INC.	Inv# 0730783-IN	Enersys Modular Battery 2vpc D	$11,157.75		
	Total for Check:	85363				$22,973.95	$22,973.95
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128280300MAR18	4060 E LA PALMA AVE	$61.28		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0139824000MAR18	945 N TUSTIN AVE	$47.50		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0138802000MAR18	4068 E LA PALMA AVE	$16.12		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0134965000MAR18	4895 E BALL RD	$59.56		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0134145000MAR18	2941 E LINCOLN AVE	$45.33		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0134144000MAR18	1150 N LAKEVIEW AVE	$46.37		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0132538000MAR18	4062 E LA PALMA AVE	$359.62		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0131487000MAR18 PDSTL	1107 N LAKEVIEW AVE	$47.50		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128660002MAR18	5800 E LA PALMA AVE	$505.59		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0145552000MAR18	4060 E LA PALMA AVE	$20.86		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128282300	4060 E LA PALMA AVE	$179.57		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128283000MAR18	3850 E LA PALMA AVE PUMP	$1,076.03		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128279000MAR18	4060 E LA PALMA AVE	$1,440.08		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128277000MAR18	4050 E LA PALMA AVE	$1,466.65		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128276000MAR18	4060 E LA PALMA AVE	$614.04		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0127704000MAR18	3056 E FRONTERA ST	$430.97		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0127603000MAR18	2906 E SOUTH ST PUMP	$45.13		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0127602300MAR18	2850 E SOUTH APPOX	$215.00		

Orange County Water District

Check Register

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0127464300MAR18	1200 S AUTO CENTER DR	$815.74		
85365	03/21/2018	ANAHEIM, CITY OF	Inv# 0128284000MAR18	4060 E LA PALMA AVE	$133.14		
	Total for Check:	85365				$7,626.08	$164,922.52
85366	03/21/2018	ARCHIES TOWING	Inv# 226107	TOW DUMP TRUCK	$343.75		
	Total for Check:	85366				$343.75	$343.75
85367	03/21/2018	AT & T	Inv# 714 974-3616 025 5MAR18		$68.06		
	Total for Check:	85367				$68.06	$23,331.93
85368	03/21/2018	AT & T	Inv# 335 253-2206 042 4MAR18		$86.10		
	Total for Check:	85368				$86.10	$23,331.93
85369	03/21/2018	BAJA FRESH MEXICAN GRILL	Inv# MN32718A1	CWEF 2018 - VOLUN. LUNCHES	$596.46		
	Total for Check:	85369				$596.46	$3,156.56
85370	03/21/2018	BAJA FRESH MEXICAN GRILL	Inv# MN32918B2	CWEF 2018 - VOLUN. LUNCHES	$2,560.10		
	Total for Check:	85370				$2,560.10	$3,156.56
85371	03/21/2018	BEARCOM	Inv# 4670497	RADIOS FOR GWRS 10TH ANN.	$108.75		
85371	03/21/2018	BEARCOM	Inv# 4670497	RADIOS FOR GWRS 10TH ANN.	$43.50		
	Total for Check:	85371				$152.25	$2,169.40
85372	03/21/2018	BEKS ACQUISITION, INC. dba	Inv# 17-23340.3	MONITORING WELL INSTALLATIONS	$92,337.39		
	Total for Check:	85372				$92,337.39	$673,707.35
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$18.45		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$146.00		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$2.89		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000		($9.21)		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$7.01		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$9.76		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$27.91		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$43.53		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$56.53		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$90.25		
85374	03/21/2018	BELL PIPE & SUPPLY	Inv# 282478-000	SAR Passive Test System	$58.08		
	Total for Check:	85374				$451.20	$618.79
85375	03/21/2018	BEST CONTRACTING SERVICES	Inv# 5607	Roof leak repair - MWDOC build	$2,715.00		
	Total for Check:	85375				$2,715.00	$11,459.14
85376	03/21/2018	BRENNTAG PACIFIC INC.	Inv# BPI819804	3/14 citric acid 22.57 tons	$21,108.59		

Orange County Water District

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85376	03/21/2018	BRENNTAG PACIFIC INC.	Inv# BPI819804	Discount	($633.26)		
	Total for Check:	85376				$20,475.33	$636,851.73
85377	03/21/2018	CDW-G	Inv# LVD2996	Replace Lab Network Printer	$173.68		
	Total for Check:	85377				$173.68	$16,576.28
85378	03/21/2018	CHARLES P. CROWLEY CO,	Inv# 24491	INVENTORY RE-ORDER	$6,050.85		
85378	03/21/2018	CHARLES P. CROWLEY CO,	Inv# 24491	INVENTORY RE-ORDER	$358.88		
85378	03/21/2018	CHARLES P. CROWLEY CO,	Inv# 24491		$94.77		
	Total for Check:	85378				$6,504.50	$23,179.45
85379	03/21/2018	CLIMATEC LLC	Inv# 957002199	Restore Connection to A.C.S.	$70.00		
85379	03/21/2018	CLIMATEC LLC	Inv# 957002199	Restore Connection to A.C.S.	$435.00		
	Total for Check:	85379				$505.00	$46,393.62
85380	03/21/2018	COMMERCIAL DOOR OF ORANGE COUNTY INC.	Inv# 22649	Warehouse Rollup Door Repair	$816.34		
85380	03/21/2018	COMMERCIAL DOOR OF ORANGE COUNTY INC.	Inv# 22648	Warehouse Rollup Door Repair	$211.50		
	Total for Check:	85380				$1,027.84	$7,230.60
85381	03/21/2018	CONNOR, FLETCHER & HEDENKAMP LLC	Inv# 13651 N.BASIN COST APPEAL legal/N.Basin Cost Appea	Jan18	$15,960.41		
85381	03/21/2018	CONNOR, FLETCHER & HEDENKAMP LLC	Inv# 13652 NORTHROP	Jan18 legal/Northrop	$26,309.65		
85381	03/21/2018	CONNOR, FLETCHER & HEDENKAMP LLC	Inv# 13653 SABIC	Jan18 legal/Sabic	$3,906.78		
	Total for Check:	85381				$46,176.84	$328,067.23
85382	03/21/2018	CPI INTERNATIONAL	Inv# 20037011	LABORATORY SUPPLIES	$77.58		
85382	03/21/2018	CPI INTERNATIONAL	Inv# 20037011	LABORATORY SUPPLIES	$77.58		
85382	03/21/2018	CPI INTERNATIONAL	Inv# 20037011		($3.11)		
	Total for Check:	85382				$152.05	$5,888.52
85383	03/21/2018	CURTS LOCK AND KEY	Inv# 106511	BPO LOCKSMITH SERVICES	$226.73		
85383	03/21/2018	CURTS LOCK AND KEY	Inv# 106511	BPO LOCKSMITH SERVICES	$14.95		
	Total for Check:	85383				$241.68	$272.93
85384	03/21/2018	Dunkin, Alicia	Inv# 3/14/18 TRAVEL	3/14 SACTO ACWA SLC	$415.22		
	Total for Check:	85384				$415.22	$5,762.97
85385	03/21/2018	FIELDMAN, ROLAPP & ASSOCIATES	Inv# 23712	Feb18 Fin.Svc-WIFIA	$4,037.57		
	Total for Check:	85385				$4,037.57	$8,033.07

Orange County Water District

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Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85386	03/21/2018	FRONTIER COMMUNICATIONS	Inv# 213-002-8985MARCH 0718		$48.31		
	Total for Check:	85386				$48.31	$29,945.24
85387	03/21/2018	FRY'S ELECTRONICS	Inv# 22338746	BPO ELECTRONIC SUPPLIES	$31.50		
	Total for Check:	85387				$31.50	$2,795.26
85388	03/21/2018	Field, David M.	Inv# 2/5-3/4/18 STIPEND	2/5-3/4/18 phone stipend	$40.00		
	Total for Check:	85388				$40.00	$542.13
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$118.56		
85389	03/21/2018	GE MDS, LLC	Inv# 1027328	Forebay dialer	$30.56		
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$25.01		
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$26.84		
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$118.79		
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$252.58		
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$469.80		
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$65.22		
85389	03/21/2018	GE MDS, LLC	Inv# 1025710	Forebay dialer	$58.99		
	Total for Check:	85389				$1,166.35	$4,902.59
85390	03/21/2018	GOVERNMENT FINANCE OFFICERS	Inv# M#1565122015 2018-19 Membrshp#156522015	GFOA	$280.00		
	Total for Check:	85390				$280.00	$430.00
85392	03/21/2018	GRAINGER INC.	Inv# 9691209440	INVENTORY RE-ORDER	$233.49		
85392	03/21/2018	GRAINGER INC.	Inv# 9694041857	INVENTORY RE-ORDER	$41.33		
85392	03/21/2018	GRAINGER INC.	Inv# 9694041857	INVENTORY RE-ORDER	$215.50		
85392	03/21/2018	GRAINGER INC.	Inv# 9693495666	Research center supplies	$7.48		
85392	03/21/2018	GRAINGER INC.	Inv# 9693495666	Research center supplies	$26.73		
85392	03/21/2018	GRAINGER INC.	Inv# 9693495666	Research center supplies	$78.82		
85392	03/21/2018	GRAINGER INC.	Inv# 9691913975	INVENTORY RE-ORDER	$310.37		
85392	03/21/2018	GRAINGER INC.	Inv# 9691209440	INVENTORY RE-ORDER	$14.81		
85392	03/21/2018	GRAINGER INC.	Inv# 9691209440	INVENTORY RE-ORDER	$125.28		
85392	03/21/2018	GRAINGER INC.	Inv# 9691209440	INVENTORY RE-ORDER	$266.40		
85392	03/21/2018	GRAINGER INC.	Inv# 9691209440	INVENTORY RE-ORDER	$607.26		
85392	03/21/2018	GRAINGER INC.	Inv# 9690209383	Miscellaneous - Grainger	$831.10		
85392	03/21/2018	GRAINGER INC.	Inv# 9694733867	BPO INDUSTRIAL SUPPLIES	$13.64		
85392	03/21/2018	GRAINGER INC.	Inv# 9691209440	INVENTORY RE-ORDER	$29.56		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
Total for Check:	85392					$2,801.77	$95,011.65
85393	03/21/2018	GREEN THUMB, LLC	Inv# 20181283	INDOOR PLANT CARE	$93.34		
85393	03/21/2018	GREEN THUMB, LLC	Inv# 20181283	INDOOR PLANT CARE	$265.66		
Total for Check:	85393					$359.00	$3,231.00
85394	03/21/2018	HABITAT WEST	Inv# 89094 WO#3	WO#3 Prado 16/Splatter S.Ravin	$29,500.00		
Total for Check:	85394					$29,500.00	$149,405.57
85395	03/21/2018	HOME DEPOT, INC.	Inv# 3010888	BPO INDUSTRIAL SUPPLIES	$99.73		
85395	03/21/2018	HOME DEPOT, INC.	Inv# 4015800	BPO INDUSTRIAL SUPPLIES	$338.84		
85395	03/21/2018	HOME DEPOT, INC.	Inv# 5021703	BPO INDUSTRIAL SUPPLIES	$147.40		
85395	03/21/2018	HOME DEPOT, INC.	Inv# 7024034	BPO INDUSTRIAL SUPPLIES	$94.70		
85395	03/21/2018	HOME DEPOT, INC.	Inv# 8023737	BPO INDUSTRIAL SUPPLIES	$59.64		
Total for Check:	85395					$740.31	$17,077.28
85396	03/21/2018	HUMANSCALE CORPORATION	Inv# F00400002883	Megan P Keyboard Tray	$192.32		
Total for Check:	85396					$192.32	$6,281.36
85397	03/21/2018	INSTITUTE FOR ENVIRONMENTAL HEALTH INC	Inv# 180303	BPO WATER SAMPLE ANALYSIS	$360.00		
Total for Check:	85397					$360.00	$6,900.00
85398	03/21/2018	INTERA, INC.	Inv# 01-18-58 (NBGPP NCP) grndwtr.model	Jan18 NBGPP NCP	$6,825.00		
Total for Check:	85398					$6,825.00	$36,619.72
85399	03/21/2018	IRVINE PIPE & SUPPLY	Inv# 876666	BPO PIPE & SUPPLIES	$121.50		
85399	03/21/2018	IRVINE PIPE & SUPPLY	Inv# 876666		($2.43)		
Total for Check:	85399					$119.07	$66,401.29
85400	03/21/2018	JAMES LARSEN MEDICAL INSTRUCTION	Inv# 2.22.2018	First Aid CPR Second Day	$1,170.00		
Total for Check:	85400					$1,170.00	$2,385.00
85401	03/21/2018	JL LANDSCAPE SERVICES, INC.	Inv# 4685	LANDSCAPE AT SANTIAGO BASIN	$2,495.00		
Total for Check:	85401					$2,495.00	$24,950.00
85402	03/21/2018	KELLY SERVICES	Inv# 09025046	TempLabor1038	$1,650.00		
Total for Check:	85402					$1,650.00	$35,395.80
85403	03/21/2018	LHOIST NORTH AMERICA	Inv# 1180205079D	2/15 lime 25.07 tons	$5,490.33		
85403	03/21/2018	LHOIST NORTH AMERICA	Inv# 1180205079E	2/19 lime 25.56 tons	$5,597.64		
85403	03/21/2018	LHOIST NORTH AMERICA	Inv# 1180205079B	2/10 lime 24.80 tons	$5,431.20		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85403	03/21/2018	LHOIST NORTH AMERICA	Inv# 1180205079A	2/8 lime 24.41 tons	$5,345.79		
85403	03/21/2018	LHOIST NORTH AMERICA	Inv# 1180205079C	2/13 lime 24.84 tons	$5,439.96		
85403	03/21/2018	LHOIST NORTH AMERICA	Inv# 1180205079F	2/19 lime 24.98 tons	$5,470.62		
	Total for Check:	85403				$32,775.54	$603,524.59
85404	03/21/2018	LONG BEACH WATER DEPARTMENT	Inv# 43533	Jan18 Alamitos 83.7af @$1,020	$96,255.00		
	Total for Check:	85404				$96,255.00	$864,052.71
85405	03/21/2018	LUCCI'S DELI BAKERY	Inv# 12287 COM/LEG	BPO CATERING SERVICE	$74.75		
85405	03/21/2018	LUCCI'S DELI BAKERY	Inv# 12287 COM/LEG		$20.00		
85405	03/21/2018	LUCCI'S DELI BAKERY	Inv# 12301 WACO	BPO CATERING SERVICE	$345.00		
85405	03/21/2018	LUCCI'S DELI BAKERY	Inv# 12301 WACO	Delivery	$20.00		
	Total for Check:	85405				$459.75	$6,121.56
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 320568/5	Discount	($1.62)		
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 405249/1	CreditINV#405193/1	($37.82)		
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 405193/1	Returned/Credit405249/1	$37.82		
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 320901/5	Discount	($0.82)		
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 320901/5	BPO INDUSTRIAL SUPPLIES	$29.42		
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 320569/5	BPO INDUSTRIAL SUPPLIES	$7.43		
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 320568/5	BPO INDUSTRIAL SUPPLIES	$58.31		
85406	03/21/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 320569/5	Discount	($0.21)		
	Total for Check:	85406				$92.51	$5,525.32
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290320	Shipping	$5.03		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58198840	BPO INDUSTRIAL SUPPLIES	$21.21		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58198840	SHIPPING	$5.03		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58198840	Discount	($0.42)		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290320	Discount	($0.12)		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58696493	Miscellaneous - McMaster	$189.90		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290320	BPO INDUSTRIAL SUPPLIES	$5.82		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58838115	DISCOUNT	($2.26)		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58838115	SHIPPING	$6.47		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58838115	Miscellaneous - McMaster	$112.93		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58696493	SHIPPING	$19.72		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58696493	Miscellaneous - McMaster	$268.36		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58651932	DISCOUNT	($29.04)		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290321	FILTERS	$20.31		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290321	FILTERS	$783.23		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58696493	DISCOUNT	($9.17)		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290321	SHIPPING	$32.32		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58651932	SHIPPING	$62.33		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290321	FILTERS	$13.95		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58290321	DISCOUNT	($16.35)		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58651932	FILTERS	$1,096.53		
85409	03/21/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58651932	FILTERS	$355.58		
Total for Check:		85409				$2,941.36	$33,768.46
85410	03/21/2018	MILLER & AXLINE	Inv# 11268 MTBE	MTBE legal	$5,028.85		
Total for Check:		85410				$5,028.85	$162,174.97
85411	03/21/2018	MUNICIPAL WTR DIST OF O.C.	Inv# PROP84GRANTREIMB MAR18 Mar18	Prop84GrantReimb	$37,158.30		
Total for Check:		85411				$37,158.30	$85,154.69
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390717	BPO AUTO PARTS & SUPPLIES	$4.10		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390719		($0.08)		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390719	BPO AUTO PARTS & SUPPLIES	$4.10		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390718		($0.23)		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390718	BPO AUTO PARTS & SUPPLIES	$11.41		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390717		($0.08)		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390498		($0.24)		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 390498	BPO AUTO PARTS & SUPPLIES	$12.05		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 389401	Discount	($1.02)		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 389401	BPO AUTO PARTS & SUPPLIES	$51.18		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 389362	CreditINV#386601	($18.00)		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 384409	STEP BAR	$702.50		
85413	03/21/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 385238	CREDITINV#384409	($702.50)		
	Total for Check:	85413				$63.19	$9,293.44
85414	03/21/2018	NATIONAL GEOGRAPHIC SOCIETY	Inv# 130314	CWEF 2018 SPEAKER	$4,300.00		
	Total for Check:	85414				$4,300.00	$8,300.00
85415	03/21/2018	OFFICE DEPOT	Inv# 105841476001	OFFICE SUPPLIES	$9.40		
85415	03/21/2018	OFFICE DEPOT	Inv# 105841477001	OFFICE SUPPLIES	$10.19		
	Total for Check:	85415				$19.59	$137.18
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2469428	2/22 s.hypochlorite 4974 gal	$3,073.93		
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2469971	2/23 s.hypochlorite 4954 gal	$3,061.57		
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2469970	2/23 s.hypochlorite 4940 gal	$3,052.92		
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2469427	2/22 s.hypochlorite 4906 gal	$3,031.91		
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2469426	2/22 s.hypochlorite 4972 gal	$3,072.70		
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2469425	2/22 s.hypochlorite 4970 gal	$3,071.46		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2467428	2/19 s.hypochlorite 4908 gal	$3,033.14		
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2467427	2/19 s.hypochlorite 4974 gal	$3,073.93		
85416	03/21/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2469969	2/23 s.hypochlorite 4898 gal	$3,026.96		
	Total for Check:	85416				$27,498.52	$520,914.65
85417	03/21/2018	ORACLE AMERICA INC	Inv# 43931294	Renew Oracle iAS - 30 NUPs	$889.29		
	Total for Check:	85417				$889.29	$41,600.17
85418	03/21/2018	ORANGE COAST PETROLEUM EQUIPT.	Inv# 0230142-IN	DISCOUNT	($33.52)		
85418	03/21/2018	ORANGE COAST PETROLEUM EQUIPT.	Inv# 0230143-IN	Discount	($1.28)		
85418	03/21/2018	ORANGE COAST PETROLEUM EQUIPT.	Inv# 0230143-IN	BPO OPERATING SUPPLIES	$45.26		
85418	03/21/2018	ORANGE COAST PETROLEUM EQUIPT.	Inv# 0230142-IN	Replacemen Hose	$165.00		
85418	03/21/2018	ORANGE COAST PETROLEUM EQUIPT.	Inv# 0230142-IN	Replacemen Hose	$210.12		
85418	03/21/2018	ORANGE COAST PETROLEUM EQUIPT.	Inv# 0230142-IN	Replacemen Hose	$1,300.70		
85418	03/21/2018	ORANGE COAST PETROLEUM EQUIPT.	Inv# 0230143-IN	Frt Incoming	$18.64		
	Total for Check:	85418				$1,704.92	$3,942.80
85419	03/21/2018	ORR PROTECTION SYSTEMS	Inv# 0520953-IN BAL DUE	Maintenance Renewal	$22.50		
85419	03/21/2018	ORR PROTECTION SYSTEMS	Inv# 0523805-IN	Maintenance Renewal	$1,032.50		
	Total for Check:	85419				$1,055.00	$32,971.05
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-4	GWRS Banner CN	$55.00		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-5	Well Keys DMF	$27.19		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-9	IEC/OC AnnlMtg PAB	$40.00		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-8	Keys SAR12,13 DMF	$9.79		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-7	NotaryExamFees CMF	$40.00		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-3	MiscMileage NN	$30.30		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-2	Badges NN	$48.48		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-11	TruckWashTip T122	$2.00		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-10	AdHocCteMtg JCK	$9.68		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-1	Gas T123	$20.00		
85421	03/21/2018	PIKE, DONNA R./PETTY CASH CUSTODIAN	Inv# JAN2018-6	TruckWashTip T149	$2.00		
	Total for Check:	85421				$284.44	$5,344.08
85422	03/21/2018	POLYDYNE INC.	Inv# 1213992	PLANT CHEMICAL	$2,401.20		
	Total for Check:	85422				$2,401.20	$24,012.00
85423	03/21/2018	PRSA	Inv# M#1068232	Membrshp Apr2018-Mar2019	$255.00		
85423	03/21/2018	PRSA	Inv# M#1740058	Membershp May2018-Apr2019	$260.00		
	Total for Check:	85423				$515.00	$515.00
85424	03/21/2018	PRUDENTIAL GROUP INSURANCE	Inv# C#00694, B#252925 MAR18 March2018	LifeInsurance	$27,735.58		
	Total for Check:	85424				$27,735.58	$239,243.83
85425	03/21/2018	QUINN COMPANY	Inv# PCA00042310	BPO EQUIPMENT PARTS & SUPPLIES	$202.12		
	Total for Check:	85425				$202.12	$76,180.83
85426	03/21/2018	ROSEMOUNT ANALYTICAL INC.	Inv# 857110		($30.08)		
85426	03/21/2018	ROSEMOUNT ANALYTICAL INC.	Inv# 857110	INVENTORY RE-ORDER	$2,992.80		
85426	03/21/2018	ROSEMOUNT ANALYTICAL INC.	Inv# 857110		$14.78		
	Total for Check:	85426				$2,977.50	$59,047.61
85427	03/21/2018	SC FUELS	Inv# 1110752-IN	BPO RED DIESEL FUEL	$2,380.25		
85427	03/21/2018	SC FUELS	Inv# 1110752-IN		($22.04)		
	Total for Check:	85427				$2,358.21	$79,542.19
85428	03/21/2018	SECURITAS SECURITY SERVICES USA, INC.	Inv# W5971221	2/15-16 GWRS security svc	$174.88		
85428	03/21/2018	SECURITAS SECURITY SERVICES USA, INC.	Inv# W5971221	2/15-16 GWRS security svc	$87.44		
	Total for Check:	85428				$262.32	$46,430.64
85429	03/21/2018	SIDEPATH INC.	Inv# 8030	Data Storage Server	$19,211.16		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
Total for Check:	85429					$19,211.16	$89,761.62
85430	03/21/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-017-7474-01MAR18	2/13-3/15/18KWH36	$29.27		
85430	03/21/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-044-7967-96MAR18	2/12-3/14/18KWH244	$57.87		
85430	03/21/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-023-2096-60MAR18	2/12-3/14/18KWH360	$76.60		
85430	03/21/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-017-9140-39MAR18	2/8-3/12/18 KWH31	$30.16		
85430	03/21/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-021-9405-46MAR18	2/9-3/13/18KWH2,047	$407.09		
85430	03/21/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-017-9360-14MAR18		$32.50		
Total for Check:	85430					$633.49	$5,925,203.15
85431	03/21/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 7700904597	4/1-3/31/18 OP RENT	$1,165.00		
Total for Check:	85431					$1,165.00	$34,919.77
85432	03/21/2018	SOUTHERN COUNTIES LUBRICANTS LLC	Inv# 362177	BULK OIL FOR HEAVY EQUIPMENT	$1,956.85		
85432	03/21/2018	SOUTHERN COUNTIES LUBRICANTS LLC	Inv# 362177		$9.64		
Total for Check:	85432					$1,966.49	$27,655.23
85433	03/21/2018	STAPLES	Inv# 3369778405	Ribbon for Badge Printer	$48.94		
85433	03/21/2018	STAPLES	Inv# 3369778408	Ribbon for Badge Printer	$97.88		
Total for Check:	85433					$146.82	$41,483.29
85434	03/21/2018	STATE OF CALIFORNIA	Inv# #12-ORAO27-0010-01 APR.18	LEASE AGRMT.	$736.00		
Total for Check:	85434					$736.00	$2,208.00
85435	03/21/2018	SUPERIOR SWEEPING LTD.	Inv# 377-0318	STREET SWEEPING SERVICES	$450.00		
Total for Check:	85435					$450.00	$4,500.00
85436	03/21/2018	TAB ANSWER NETWORK CALL CENTER	Inv# 1505403152018	ANSWERING SERV.	$53.10		
Total for Check:	85436					$53.10	$520.11
85437	03/21/2018	TESTAMERICA	Inv# 44275626	BPO FOR WATER QUALITY ANALYSES	$386.00		
Total for Check:	85437					$386.00	$35,508.50
85438	03/21/2018	TETRA TECH, INC.	Inv# 51275507R	Thru 12/29 Mid Basin Centennia	$35,296.00		
85438	03/21/2018	TETRA TECH, INC.	Inv# 51284135R	Thru 1/26 Mid Basin Centennial	$28,739.50		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
	Total for Check:	85438				$64,035.50	$236,005.50
85439	03/21/2018	TIME WARNER COMMUNICATIONS	Inv# 0410454031218	BPO CABLE TV SERVICE	$115.03		
	Total for Check:	85439				$115.03	$15,656.31
85440	03/21/2018	TRI-TEK BURGLAR ALARM CO.	Inv# 123978	BPO ALARM MONITORING	$168.00		
	Total for Check:	85440				$168.00	$2,776.00
85441	03/21/2018	U-LINE	Inv# 95155244		$42.76		
85441	03/21/2018	U-LINE	Inv# 95155244	SHIPPING SUPPLIES	$117.45		
	Total for Check:	85441				$160.21	$7,662.41
85442	03/21/2018	U.S. HEALTHWORKS	Inv# 3277987-CA	BPO MEDICAL SERVICES	$296.00		
	Total for Check:	85442				$296.00	$3,171.00
85443	03/21/2018	U.S. TELEPACIFIC CORP	Inv# 101104898-9	Internet Services	$1,754.41		
	Total for Check:	85443				$1,754.41	$15,789.34
85444	03/21/2018	ULTRA SCIENTIFIC INC.	Inv# 407357	LABORATORY SUPPLIES	$44.55		
	Total for Check:	85444				$44.55	$9,183.11
85445	03/21/2018	UNION BANK	Inv# 1084696	SERV.FEB1/18-FEB2/28/18	$291.67		
	Total for Check:	85445				$291.67	$12,138.03
85446	03/21/2018	UNITED RENTALS	Inv# 154619353-001 GWRS	LIGHTING FOR 10TH ANN.	$252.30		
85446	03/21/2018	UNITED RENTALS	Inv# 154619353-001 GWRS	LIGHTING FOR 10TH ANN.	$134.20		
85446	03/21/2018	UNITED RENTALS	Inv# 154619353-001 GWRS	LIGHTING FOR 10TH ANN.	$125.00		
85446	03/21/2018	UNITED RENTALS	Inv# 154619353-001 GWRS	LIGHTING FOR 10TH ANN.	$1.74		
	Total for Check:	85446				$513.24	$4,339.23
85447	03/21/2018	UNIVAR USA	Inv# LA622128	3/14 sulfuric acid 25.11 tons	$3,364.74		
85447	03/21/2018	UNIVAR USA	Inv# LA622129	Discount	($67.21)		
85447	03/21/2018	UNIVAR USA	Inv# LA622128	Discount	($67.29)		
85447	03/21/2018	UNIVAR USA	Inv# LA622129	3/14 sulfuric acid 25.08 tons	$3,360.72		
	Total for Check:	85447				$6,590.96	$203,337.36
85449	03/21/2018	UTILIQUEST LLC	Inv# 258869-Q 9922	2/4-10 screen/mark pipes	$621.20		
85449	03/21/2018	UTILIQUEST LLC	Inv# 259121-Q 9922	2/11-17 screen/mark pipe	$575.44		
85449	03/21/2018	UTILIQUEST LLC	Inv# 259121-Q 9911	2/11-17 screen/mark pipes	$986.46		
85449	03/21/2018	UTILIQUEST LLC	Inv# 258869-Q 9922	2/4-10 screen/mark pipes	$9.44		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85449	03/21/2018	UTILIQUEST LLC	Inv# 258869-Q 9932	2/4-10 screen/mark pipes	$12.79		
85449	03/21/2018	UTILIQUEST LLC	Inv# 259121-Q 9932	2/11-17 screen/mark pipes	$11.67		
85449	03/21/2018	UTILIQUEST LLC	Inv# 258869-Q 9908	2/4-10 screen/mark pipes	$77.30		
85449	03/21/2018	UTILIQUEST LLC	Inv# 258582-Q 9932	1/28-2/3 screen/mark pipes	$11.97		
85449	03/21/2018	UTILIQUEST LLC	Inv# 258582-Q 9922	1/28-2/3 screen/mark pipes	$590.16		
85449	03/21/2018	UTILIQUEST LLC	Inv# 258582-Q 9911	1/28-2/3 screen/mark pipes	$1,011.71		
85449	03/21/2018	UTILIQUEST LLC	Inv# 258582-Q 9908	1/28-2/3 screen/mark pipes	$72.34		
85449	03/21/2018	UTILIQUEST LLC	Inv# 258869-Q 9911	2/4-10 screen/mark pipes	$1,081.11		
85449	03/21/2018	UTILIQUEST LLC	Inv# 259121-Q 9908	2/11-17 screen/mark pipes	$70.53		
	Total for Check:	85449				$5,132.12	$66,616.63
85450	03/21/2018	VWR INTERNATIONAL, INC.	Inv# 8081591670	INVENTORY RE-ORDER	$482.85		
85450	03/21/2018	VWR INTERNATIONAL, INC.	Inv# 8081624946		($1.61)		
85450	03/21/2018	VWR INTERNATIONAL, INC.	Inv# 8081624946	LABORATORY SUPPLIES	$160.82		
85450	03/21/2018	VWR INTERNATIONAL, INC.	Inv# 8081616756		($1.06)		
85450	03/21/2018	VWR INTERNATIONAL, INC.	Inv# 8081591670		($4.83)		
85450	03/21/2018	VWR INTERNATIONAL, INC.	Inv# 8081616756	LABORATORY SUPPLIES	$105.62		
	Total for Check:	85450				$741.79	$104,088.50
85451	03/21/2018	Versluis, Patrick	Inv# 2/13/18 TRAVEL	2/13 SACTO ACWA WQ Cte	$79.69		
85451	03/21/2018	Versluis, Patrick	Inv# 6/23-7/22/17 STIPEND	6/23-7/22/17 phone stipend	$40.00		
85451	03/21/2018	Versluis, Patrick	Inv# 7/23-8/22/17 STIPEND	7/23-8/22/17 phone stipend	$40.00		
85451	03/21/2018	Versluis, Patrick	Inv# 9/23-10/22/17 STIPEND	9/23-10/22/17 phone stipend	$40.00		
85451	03/21/2018	Versluis, Patrick	Inv# 11/28-12/1/17 TRAVEL	11/28-12/1 Anaheim ACWA Fall	$16.00		
85451	03/21/2018	Versluis, Patrick	Inv# 11/23-12/22/17 STIPEND	11/23-12/22/17 phone stipend	$40.00		
85451	03/21/2018	Versluis, Patrick	Inv# 10/23-11/22/17 STIPEND	10/23-11/22/17 phone stipend	$40.00		
85451	03/21/2018	Versluis, Patrick	Inv# 1/23-2/22/18 STIPEND	1/23-2/22/18 phone stipend	$40.00		
85451	03/21/2018	Versluis, Patrick	Inv# 12/23/17-1/22/18 STIPEND	12/23/17-1/22/18 phone stipend	$40.00		
85451	03/21/2018	Versluis, Patrick	Inv# 8/23-9/22/17 STIPEND	8/23-9/22/17 phone stipend	$40.00		
	Total for Check:	85451				$415.69	$495.69
85452	03/21/2018	WATERS CORPORATION	Inv# 270890474	LABORATORY SUPPLIES	$2,790.61		

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85452	03/21/2018	WATERS CORPORATION	Inv# 270890474		$40.50		
	Total for Check:	85452				$2,831.11	$44,150.43
85453	03/21/2018	WEST COAST ARBORISTS, INC.	Inv# 134287	TREE TRIMMING AT FIELD HQ	$5,760.00		
85453	03/21/2018	WEST COAST ARBORISTS, INC.	Inv# 134677	TREE TRIMMING AT FIELD HQ	$1,470.00		
	Total for Check:	85453				$7,230.00	$34,305.00
85454	03/21/2018	WESTERN EXTERMINATOR COMPANY	Inv# 5881850	PEST & RODENT CONTROL	$375.00		
	Total for Check:	85454				$375.00	$3,362.00
85455	03/21/2018	Woodside, Greg	Inv# 1/19/18 TRAVEL	1/19 Los Angeles Tri-post Meet	$55.00		
85455	03/21/2018	Woodside, Greg	Inv# 3/6/18 TRAVEL	3/6 Corona FIRO Steering Cte	$7.17		
85455	03/21/2018	Woodside, Greg	Inv# 2/4-3/3/18 STIPEND	2/4-3/3/18 phone stipend	$40.00		
85455	03/21/2018	Woodside, Greg	Inv# 1/4-2/3/18 STIPEND	1/4-2/3/18 phone stipend	$40.00		
85455	03/21/2018	Woodside, Greg	Inv# 12/4/17-1/3/18 STIPEND	12/4/17-1/3/18 phone stipend	$40.00		
	Total for Check:	85455				$182.17	$1,209.12
85456	03/21/2018	XEROX CORPORATION	Inv# 092268980	XEROX EQUIPMENT LEASE	$805.96		
	Total for Check:	85456				$805.96	$9,025.27
85457	03/21/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	$57.25		
85457	03/21/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	$1,868.76		
85457	03/21/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	$1,635.17		
85457	03/21/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	$641.57		
85457	03/21/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	$520.96		
85457	03/21/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	$245.71		
85457	03/21/2018	YALE / CHASE EQUIPMENT AND SERVICES INC.	Inv# SI177882	CART REHAB PARTS	$146.71		
	Total for Check:	85457				$5,116.13	$7,029.83
Run Date:	***3/22/2018***				**$644,222.63**	**$644,222.63**	

Orange County Water District

Check Register

Begin Date: 03/15/2018 **End Date:** 03/21/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
801776	03/21/2018	SIGMA-ALDRICH INC.	Inv# 544043375		$16.57		
801776	03/21/2018	SIGMA-ALDRICH, INC.	Inv# 544036037	LABORATORY SUPPLIES	$2,379.89		
801776	03/21/2018	SIGMA-ALDRICH, INC.	Inv# 544036037		$8.96		
801776	03/21/2018	SIGMA-ALDRICH INC.	Inv# 544043375	LABORATORY SUPPLIES	$543.75		
	Total for Check:	801776				$2,949.17	$30,228.46
801777	03/21/2018	ALTA FOODCRAFT	Inv# 51803663	BPO COFFEE SERVICE	$1,343.22		
	Total for Check:	801777				$1,343.22	$10,593.44
801778	03/21/2018	FEDERAL EXPRESS CORPORATION	Inv# 6-090-98025	Package Delivery	$570.97		
801778	03/21/2018	FEDERAL EXPRESS CORPORATION	Inv# 6-098-61754	Package Delivery	$333.74		
	Total for Check:	801778				$904.71	$12,515.16
801779	03/21/2018	FISHER SCIENTIFIC CO.	Inv# 8235105CREDITMEMO	CREDITNV#7054354	($708.01)		
801779	03/21/2018	FISHER SCIENTIFIC CO.	Inv# 1150865	LABORATORY SUPPLIES	$133.60		
801779	03/21/2018	FISHER SCIENTIFIC CO.	Inv# 7054354**	CORRECTION	$708.01		
801779	03/21/2018	FISHER SCIENTIFIC CO.	Inv# 4874168	LABORATORY SUPPLIES	$754.21		
	Total for Check:	801779				$887.81	$99,827.69
801780	03/21/2018	GOPHER PATROL	Inv# 273129	PEST & RODENT CONTROL	$525.00		
801780	03/21/2018	GOPHER PATROL	Inv# 273320	PEST & RODENT CONTROL	$185.00		
	Total for Check:	801780				$710.00	$6,815.00
801781	03/21/2018	SPEX CERTIPREP, LLC	Inv# 357454	LABORATORY SUPPLIES	$883.20		
801781	03/21/2018	SPEX CERTIPREP, LLC	Inv# 357454	LABORATORY SUPPLIES	$386.40		
801781	03/21/2018	SPEX CERTIPREP, LLC	Inv# 357454	LABORATORY SUPPLIES	$368.80		
	Total for Check:	801781				$1,638.40	$8,947.20
801782	03/21/2018	WESTAIR GASES & EQUIPMENT	Inv# 10639295	hazardous material	$9.79		
801782	03/21/2018	WESTAIR GASES & EQUIPMENT	Inv# 10639295	Lab-Helium, CO2	$971.68		
801782	03/21/2018	WESTAIR GASES & EQUIPMENT	Inv# 10639295	freight	$27.19		
	Total for Check:	801782				$1,008.66	$55,142.63
Run Date:	***3/22/2018***				**$9,441.97**	**$9,441.97**	

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85458	03/28/2018	ORACLE AMERICA, INC	Inv# 43578897	Dan Cohen	$17,555.77		
85458	03/28/2018	ORACLE AMERICA INC	Inv# 43623793	Oracle Database SE2 Support	$1,037.56		
	Total for Check:	85458				$18,593.33	$60,193.50
85460	03/28/2018	XEROX CORPORATION	Inv# 092459031	REF.P.O.501467	$116.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459034	XEROX EQUIPMENT LEASE	$179.77		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459032	XEROX COPIER MAINTENANCE	$19.43		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459030	XEROX COPIER MAINTENANCE	$10.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459029	XEROX COPIER MAINTENANCE	$10.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459028	XEROX COPIER MAINTENANCE	$10.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459026	XEROX PLOTTER MAINTENANCE	$20.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459025	XEROX PLOTTER MAINTENANCE	$43.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459024	XEROX COPIER MAINTENANCE	$10.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459023	XEROX COPIER MAINTENANCE	$10.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459022	XEROX COPIER MAINTENANCE	$10.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 091248863	CREDIT MEMO	($27.67)		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459027	XEROX COPIER MAINTENANCE	$10.00		
85460	03/28/2018	XEROX CORPORATION	Inv# 092459033	F. P.O. 501467	$300.51		
	Total for Check:	85460				$721.04	$9,746.31
85461	03/28/2018	TESTAMERICA	Inv# 44275737	BPO FOR WATER QUALITY ANALYSES	$482.50		
85461	03/28/2018	TESTAMERICA LABORATORIES INC.	Inv# 44275995	SAMPLE ANALYSIS	$171.50		
85461	03/28/2018	TESTAMERICA	Inv# 44275992	BPO FOR WATER QUALITY ANALYSES	$675.50		
85461	03/28/2018	TESTAMERICA	Inv# 44276214	BPO FOR WATER QUALITY ANALYSES	$351.50		
	Total for Check:	85461				$1,681.00	$37,189.50
85462	03/28/2018	ABSOLUTE STANDARDS INC.	Inv# 169225	LABORATORY SUPPLIES	$106.25		
	Total for Check:	85462				$106.25	$956.25
85463	03/28/2018	ACE CRANE SERVICE, INC.	Inv# 23493	Crane Inspection (OSHA certifi	$3,390.00		
85463	03/28/2018	ACE CRANE SERVICE, INC.	Inv# 23494	Crane Inspection (OSHA cert)	$5,810.00		
85463	03/28/2018	ACE CRANE SERVICE, INC.	Inv# 23494		($29.05)		
	Total for Check:	85463				$9,170.95	$17,111.13
85464	03/28/2018	ACWA/JPIA	Inv# 0540353 APR2018	HealthInsurance April2018	$427,000.83		
	Total for Check:	85464				$427,000.83	$4,511,444.19
85465	03/28/2018	AGILENT TECHNOLOGIES, INC.	Inv# 114482876	LABORATORY SUPPLIES	$1,773.17		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
Total for Check:	85465					$1,773.17	$372,369.20
85466	03/28/2018	AMBERTEK SYSTEMS, INC.	Inv# 27891		$42.86		
85466	03/28/2018	AMBERTEK SYSTEMS, INC.	Inv# 27891	LABORATORY SUPPLIES	$684.26		
Total for Check:	85466					$727.12	$727.12
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0140776000MAR18 PDSTL	3255 E MIRALOMA AVE	$50.79		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0147092000MAR18	3199 E LA PALMA AVE	$129.02		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0145085300MAR18	3203 E LA PALMA AVE	$54.17		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0137310300MAR18	2901 E LA JOLLA ST LSCAP	$27.82		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0129051000MAR18	1394 N MILLER ST	$15.97		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0111128000MAR18	2921 E LA JOLLA ST	$242.15		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0110561300MAR18 LSCAP	3169 E MIRALOMA AVE	$696.34		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0110452300MAR18	3261 E MIRALOMA AVE	$218.40		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0110199000MAR18	1600 N MILLER ST	$15,158.41		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0110198000MAR18	3415 E MIRALOMA AVE	$218.89		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0110196000MAR18	3451 E MIRALOMA AVE	$103.25		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# *0118602000MAR18 PDSTL	3261 E MIRALOMA AVE	$16.73		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0110562000MAR18	3151 E MIRALOMA AVE	$2,977.74		
85468	03/28/2018	ANAHEIM, CITY OF	Inv# 0145086300MAR18	3199 E LA PALMA AVE	$18.12		
Total for Check:	85468					$19,927.80	$184,850.32
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533199183	BPO FOR HAND SANITIZER FLUID	$32.33		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533181940	UNIFORM SERVICES	$51.52		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533181941	UNIFORM SERVICES	$149.63		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533181942	UNIFORM SERVICES	$258.80		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533181943	UNIFORM SERVICES	$222.87		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533199175	UNIFORM SERVICES	$245.30		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533199175	UNIFORM SERVICES	$47.52		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533199177	UNIFORM SERVICES	$281.76		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533181940	UNIFORM SERVICES	$245.30		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533199176	UNIFORM SERVICES	$149.63		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533164757	UNIFORM SERVICES	$149.63		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533164756	UNIFORM SERVICES	$39.52		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533164756	UNIFORM SERVICES	$248.65		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 1448981820	UNIFORM SERVICES	$31.33		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 1448970264	UNIFORM SERVICES	$31.33		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 1448958644	UNIFORM SERVICES	$31.33		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 001448892000	UNIFORM SERVICES	$28.56		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 001448869066	UNIFORM SERVICES	$28.56		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 001448857739	UNIFORM SERVICES	$28.56		
85470	03/28/2018	ARAMARK UNIFORM SERVICES	Inv# 533164758	UNIFORM SERVICES	$285.77		
	Total for Check:	85470				$2,587.90	$39,132.89
85471	03/28/2018	AT & T	Inv# 951 273-9586-736 6MAR18		$434.64		
	Total for Check:	85471				$434.64	$24,161.17
85472	03/28/2018	AT & T	Inv# 714 632-1928MAR18		$104.23		
	Total for Check:	85472				$104.23	$24,161.17
85473	03/28/2018	AT & T	Inv# 714 632-9206 128 4MAR18		$290.37		
	Total for Check:	85473				$290.37	$24,161.17
85474	03/28/2018	B & M LAWN & GARDEN CENTER	Inv# 380353	BPO LANDSCAPING SUPPLIES	$38.56		
85474	03/28/2018	B & M LAWN & GARDEN CENTER	Inv# 380353	BPO LANDSCAPING SUPPLIES	$38.29		
85474	03/28/2018	B & M LAWN & GARDEN CENTER	Inv# 379336	REF.P.O.503048	$769.25		
85474	03/28/2018	B & M LAWN & GARDEN CENTER	Inv# 381384 CRD. MEMO	REF. P.O. 503048	($769.25)		
85474	03/28/2018	B & M LAWN & GARDEN CENTER	Inv# 379858	BPO LANDSCAPING SUPPLIES	$31.18		
	Total for Check:	85474				$108.03	$2,844.21
85475	03/28/2018	BATTERY SYSTEMS	Inv# 4339371	Fleet Equipment Batteries	$514.79		
85475	03/28/2018	BATTERY SYSTEMS	Inv# 4339371	Fleet Equipment Batteries	$77.02		
85475	03/28/2018	BATTERY SYSTEMS	Inv# 4339371		$3.00		
	Total for Check:	85475				$594.81	$2,162.39
85476	03/28/2018	BC WIRE ROPE & RIGGING	Inv# 0298538-IN	Rigging Class	$1,550.00		
	Total for Check:	85476				$1,550.00	$2,230.97
85477	03/28/2018	BEE BUSTERS	Inv# 109541	BEE REMOVAL	$150.00		
	Total for Check:	85477				$150.00	$300.00
85478	03/28/2018	BEE GONE	Inv# 4637	BEE REMOVAL	$100.00		
	Total for Check:	85478				$100.00	$700.00
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$28.28		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000		$5.00		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$18.49		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$15.55		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$19.40		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$20.12		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$22.73		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000		($9.95)		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$32.52		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$33.39		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$47.85		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$51.87		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$13.05		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$61.99		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$140.28		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503352-000		($0.38)		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503352-000	BPO PIPE & SUPPLIES	$20.55		
85480	03/28/2018	BELL PIPE & SUPPLY	Inv# 503433-000	PART CAGE	$30.67		
	Total for Check:	85480				$551.41	$1,170.20
85481	03/28/2018	BENRICH SERVICE COMPANY, INC.	Inv# MOC23319	Water treatment service	$135.00		
	Total for Check:	85481				$135.00	$1,906.34
85482	03/28/2018	BEST DRILLING AND PUMP, INC.	Inv# 7 (MBI-2017-2)	Retention,Brd 2/21(MBI 2017-2)	$56,919.00		
85482	03/28/2018	BEST DRILLING AND PUMP, INC.	Inv# 7 (MBI-2017-2)	Retention,Brd 2/21(MBI 2017-2)	($3,674.48)		
85482	03/28/2018	BEST DRILLING AND PUMP, INC.	Inv# 7 (MBI-2017-2)	Retention,Brd 2/21(MBI 2017-2)	$437.06		
85482	03/28/2018	BEST DRILLING AND PUMP, INC.	Inv# 7 (MBI-2017-2)	Retention,Brd 2/21(MBI 2017-2)	$3,586.70		
85482	03/28/2018	BEST DRILLING AND PUMP, INC.	Inv# 7 (MBI-2017-2)	Retention,Brd 2/21(MBI 2017-2)	$1,789.88		
	Total for Check:	85482				$59,058.16	$1,181,163.34
85483	03/28/2018	BOLSA CHICA CONSERVANCY	Inv# SPONSORSHIP M.MARKUS	ENERGY SAVER	$5,000.00		
	Total for Check:	85483				$5,000.00	$5,000.00
85484	03/28/2018	BOOT BARN INC.	Inv# IVC0129212	BPO SAFETY SHOES	$200.00		
	Total for Check:	85484				$200.00	$3,541.12
85485	03/28/2018	BRENNTAG PACIFIC INC.	Inv# BPI821017	3/19 caustic soda 12.1779 tons	$8,078.52		
85485	03/28/2018	BRENNTAG PACIFIC INC.	Inv# BPI821017	Discount	($161.57)		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85485	03/28/2018	BRENNTAG PACIFIC INC.	Inv# BPI821018	3/19 H.Peroxide 37920 lbs	$8,247.60		
85485	03/28/2018	BRENNTAG PACIFIC INC.	Inv# BPI821018	Discount	($247.43)		
	Total for Check:	85485				$15,917.12	$652,768.85
85486	03/28/2018	BUTIER ENGINEERING, INC.	Inv# 011 OCWD1168	Feb18 Mid Basin SAR-12	$54,738.50		
	Total for Check:	85486				$54,738.50	$354,737.16
85487	03/28/2018	Bilodeau, Denis	Inv# 2/4-6/18 TRAVEL	2/4-6 D.C. Legislative Meeting	$1,402.96		
85487	03/28/2018	Bilodeau, Denis	Inv# FEBRUARY 2018 TRAVEL	Feb18 OCWD Various Meetings	$114.48		
	Total for Check:	85487				$1,517.44	$5,257.40
85488	03/28/2018	CASCADE DRILLING, L.P.	Inv# 11819415	DESTRUCT IDP WELLS	$94,244.27		
	Total for Check:	85488				$94,244.27	$94,244.27
85489	03/28/2018	CDW-G	Inv# LVX4229	OFFICE SUPPLIES	$83.73		
	Total for Check:	85489				$83.73	$16,660.01
85490	03/28/2018	CERIDIAN HCM, INC.	Inv# IN121974	Mar18 payroll svc	$4,405.04		
	Total for Check:	85490				$4,405.04	$44,743.54
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514	Polymer feeder repair	$22.84		
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514	Polymer feeder repair	$1,644.30		
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514	Polymer feeder repair	$205.54		
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514	Polymer feeder repair	$205.53		
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514	Polymer feeder repair	$146.81		
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514		$58.27		
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514	Polymer feeder repair	$48.94		
85491	03/28/2018	CHARLES P. CROWLEY CO,	Inv# 24514	Polymer feeder repair	$22.84		
	Total for Check:	85491				$2,355.07	$25,534.52
85492	03/28/2018	CITY OF ANAHEIM	Inv# PERMIT FEES	ANAHEIM RIGHT -OF WAY PERMIT	$1,322.00		
	Total for Check:	85492				$1,322.00	$1,322.00
85493	03/28/2018	CLEARTEC PACKAGING	Inv# 675512		$154.50		
85493	03/28/2018	CLEARTEC PACKAGING	Inv# 675512	CWEF 2018 - PLASTIC TUBES	$109.60		
85493	03/28/2018	CLEARTEC PACKAGING	Inv# 675512	CWEF 2018 - PLASTIC TUBES	$227.85		
	Total for Check:	85493				$491.95	$491.95
85494	03/28/2018	CSUF ASC	Inv# AR167718	QRTLY. 3RD DEMOGRAPHIC DATA	$10,950.64		
	Total for Check:	85494				$10,950.64	$32,851.92
85495	03/28/2018	DC FROST ASSOCIATES, INC.	Inv# 20357	INVENTORY RE-ORDER	$1,672.04		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85495	03/28/2018	DC FROST ASSOCIATES, INC.	Inv# 20357		$24.63		
	Total for Check:	85495				$1,696.67	$506,984.93
85496	03/28/2018	DDB ENGINEERING, INC.	Inv# IN201811	1/27-2/23 MBI permitting assis	$1,576.00		
85496	03/28/2018	DDB ENGINEERING, INC.	Inv# IN201812	1/27-2/23 GWRSFE permit-regula	$2,786.00		
85496	03/28/2018	DDB ENGINEERING, INC.	Inv# IN201813	1/27-2/23 GWRS 2017 Report	$8,291.00		
	Total for Check:	85496				$12,653.00	$47,837.05
85497	03/28/2018	Davidson, Scott	Inv# 12/29/17-1/28/18 STIPEND	12/29/17-1/28/18 phone stipend	$40.00		
85497	03/28/2018	Davidson, Scott	Inv# 1/29-2/28/18 STIPEND	1/29-2/28/18 phone stipend	$40.00		
	Total for Check:	85497				$80.00	$400.00
85498	03/28/2018	Dewane, Shawn	Inv# FEBRUARY 2018 TRAVEL	Feb18 OCWD Various Meetings	$62.16		
	Total for Check:	85498				$62.16	$557.19
85499	03/28/2018	Dosier, Bruce	Inv# 1/24-2/23/18 DSL REIMB	1/24-2/23/18 DSL reimb	$75.98		
85499	03/28/2018	Dosier, Bruce	Inv# 2/24-3/23/18 DSL REIMB	2/24-3/23/18 DSL reimb	$75.98		
	Total for Check:	85499				$151.96	$759.80
85500	03/28/2018	Dunkin, Alicia	Inv# 11/28-30//17 TRAVEL	11/28-30 Anaheim ACWA Fall Con	$100.08		
	Total for Check:	85500				$100.08	$5,863.05
85501	03/28/2018	EDELSTEIN GILBERT ROBSON AND SMITH	Inv# 15	Feb18 legis.support/SACTO	$7,500.00		
	Total for Check:	85501				$7,500.00	$67,826.09
85502	03/28/2018	ENS RESOURCES, INC.	Inv# 2204	Feb18 legis.support/D.C.	$7,500.00		
	Total for Check:	85502				$7,500.00	$67,500.00
85503	03/28/2018	ENVIRONMENTAL TRAINING AND	Inv# 37617	BPO SAFETY TRAINING	$1,200.00		
	Total for Check:	85503				$1,200.00	$5,765.00
85504	03/28/2018	EST ANALYTICAL	Inv# 0065698-IN	LABORATORY SUPPLIES	$573.39		
85504	03/28/2018	EST ANALYTICAL	Inv# 0065698-IN		$15.00		
	Total for Check:	85504				$588.39	$3,443.32
85505	03/28/2018	EVANTEC LAB SUPPLY	Inv# 181606		($1.23)		
85505	03/28/2018	EVANTEC LAB SUPPLY	Inv# 181606	LABORATORY SUPPLIES	$75.04		
85505	03/28/2018	EVANTEC LAB SUPPLY	Inv# 181606		$32.50		
85505	03/28/2018	EVANTEC LAB SUPPLY	Inv# 181606		$15.00		
	Total for Check:	85505				$121.31	$2,471.92

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85506	03/28/2018	FACTORY MOTOR PARTS	Inv# 101-196922	BatteryCoreCredit	($56.00)		
85506	03/28/2018	FACTORY MOTOR PARTS	Inv# 101-196603	G-2 BATTERY	$51.88		
85506	03/28/2018	FACTORY MOTOR PARTS	Inv# 101-196603	G-2 BATTERY	$17.32		
	Total for Check:	85506				$13.20	$5,116.08
85507	03/28/2018	FRONTIER COMMUNICATIONS	Inv# 209-150-2229-031618		$85.64		
	Total for Check:	85507				$85.64	$30,030.88
85508	03/28/2018	FRUIT GROWERS LABORATORY INC	Inv# 800677A	RADIOACTIVITY ANALYSES	$152.00		
85508	03/28/2018	FRUIT GROWERS LABORATORY INC	Inv# 800678A	RADIOACTIVITY ANALYSES	$487.00		
	Total for Check:	85508				$639.00	$23,400.00
85509	03/28/2018	FRY'S ELECTRONICS	Inv# 22347138	BPO ELECTRONIC SUPPLIES	$104.08		
85509	03/28/2018	FRY'S ELECTRONICS	Inv# 22347934	BPO ELECTRONIC SUPPLIES	$54.32		
	Total for Check:	85509				$158.40	$2,953.66
85510	03/28/2018	GANAHL LUMBER COMPANY	Inv# 030275152	OPEN NEW BPO	$4.84		
	Total for Check:	85510				$4.84	$989.49
85511	03/28/2018	GEOTECHNICAL CONSULTANTS, INC.	Inv# 12027	1/27-2/23 Mid Basin SAR-12	$33,052.00		
	Total for Check:	85511				$33,052.00	$205,626.60
85512	03/28/2018	GRAINGER INC.	Inv# 9701340078	INVENTORY RE-ORDER	$370.07		
85512	03/28/2018	GRAINGER INC.	Inv# 9637432163	BPO INDUSTRIAL SUPPLIES	$304.08		
85512	03/28/2018	GRAINGER INC.	Inv# 9702710485	BPO INDUSTRIAL SUPPLIES	$24.80		
85512	03/28/2018	GRAINGER INC.	Inv# 9722212660	BPO INDUSTRIAL SUPPLIES	$171.34		
85512	03/28/2018	GRAINGER INC.	Inv# 9700767016	BPO INDUSTRIAL SUPPLIES	$58.30		
85512	03/28/2018	GRAINGER INC.	Inv# 9697158369	Research center pump repl	$1,235.97		
85512	03/28/2018	GRAINGER INC.	Inv# 9700675797	BPO INDUSTRIAL SUPPLIES	$33.93		
85512	03/28/2018	GRAINGER INC.	Inv# 9700973143	Lab replacement faucets	$211.06		
	Total for Check:	85512				$2,409.55	$97,421.20
85513	03/28/2018	GRAYBAR ELECTRIC CO.	Inv# 9303067547	Square D B4.15 Thermal Units	$477.96		
85513	03/28/2018	GRAYBAR ELECTRIC CO.	Inv# 9303067547	Freight	$11.02		
85513	03/28/2018	GRAYBAR ELECTRIC CO.	Inv# 9303067547	Handling	$3.26		
85513	03/28/2018	GRAYBAR ELECTRIC CO.	Inv# 9303067547	Discount	($4.40)		
	Total for Check:	85513				$487.84	$10,072.68

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85514	03/28/2018	Green, Catherine T.	Inv# FEBRUARY 2018 TRAVEL	Feb18 OCWD Various Meetings	$56.72		
85514	03/28/2018	Green, Catherine T.	Inv# 2/1-2/18 TRAVEL	2/1-2 SACTO ACWA Board Meeting	$763.52		
	Total for Check:	85514				$820.24	$4,780.94
85515	03/28/2018	HABITAT WEST	Inv# 89123	Feb18 wo#4 Burris,Boat House..	$11,602.03		
	Total for Check:	85515				$11,602.03	$161,007.60
85516	03/28/2018	HACH COMPANY	Inv# 10861833	FREIGHT	$31.27		
85516	03/28/2018	HACH COMPANY	Inv# 10861833	LABORATORY SUPPLIES	$177.79		
	Total for Check:	85516				$209.06	$35,837.79
85517	03/28/2018	HARRINGTON INDUSTRIAL PLASTICS	Inv# 002L5683	SAR Passive Test System	$205.07		
85517	03/28/2018	HARRINGTON INDUSTRIAL PLASTICS	Inv# 002L5683	FREIGHT	$35.00		
85517	03/28/2018	HARRINGTON INDUSTRIAL PLASTICS	Inv# 002L5683	DISCOUNT	($4.80)		
85517	03/28/2018	HARRINGTON INDUSTRIAL PLASTICS	Inv# 002L5684	INVENTORY RE-ORDER	$367.58		
85517	03/28/2018	HARRINGTON INDUSTRIAL PLASTICS	Inv# 002L5684	DISCOUNT	($7.35)		
85517	03/28/2018	HARRINGTON INDUSTRIAL PLASTICS	Inv# 002L5843	SAR Passive Test System	$188.56		
85517	03/28/2018	HARRINGTON INDUSTRIAL PLASTICS	Inv# 002L5843	Discount	($3.77)		
	Total for Check:	85517				$780.29	$16,221.07
85518	03/28/2018	HOME DEPOT, INC.	Inv# 9011223	BPO INDUSTRIAL SUPPLIES	$119.48		
	Total for Check:	85518				$119.48	$17,196.76
85519	03/28/2018	Hutchinson, Adam	Inv# 2/27/18 TRAVEL	2/27 Riverside SARCCUP Meeting	$10.20		
85519	03/28/2018	Hutchinson, Adam	Inv# 3/21/18 TRAVEL	3/21 Irvine OCWA Meeting	$45.00		
	Total for Check:	85519				$55.20	$1,169.23
85520	03/28/2018	IN-SITU INC.	Inv# 00117283	Device to Connect to Tablets	$538.32		
	Total for Check:	85520				$538.32	$54,073.26
85521	03/28/2018	INSTITUTE FOR ENVIRONMENTAL HEALTH INC	Inv# 180330	BPO WATER SAMPLE ANALYSIS	$285.00		
	Total for Check:	85521				$285.00	$7,185.00

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85522	03/28/2018	JAMES EVENT PRODUCTIONS	Inv# 06288-DS	CHILDREN'S FESTIVAL	$71,550.00		
	Total for Check:	85522				$71,550.00	$81,550.00
85523	03/28/2018	LENOVO INC.	Inv# 6228626375	Replacement Laptops	$3,773.63		
85523	03/28/2018	LENOVO INC.	Inv# 6228626375	Replacement Laptops	$10.00		
85523	03/28/2018	LENOVO INC.	Inv# 6228573729	Replacement Laptops	$108.75		
85523	03/28/2018	LENOVO INC.	Inv# 6228573729	Replacement Laptops	$426.28		
85523	03/28/2018	LENOVO INC.	Inv# 6228569787	Replacement Laptops	$54.27		
85523	03/28/2018	LENOVO INC.	Inv# 6228569787	Replacement Laptops	$54.38		
85523	03/28/2018	LENOVO INC.	Inv# 6228569787	Replacement Laptops	$65.25		
	Total for Check:	85523				$4,492.56	$7,004.17
85524	03/28/2018	LHOIST NORTH AMERICA	Inv# 1180205982B	2/25 lime 23.97 tons	$5,249.43		
85524	03/28/2018	LHOIST NORTH AMERICA	Inv# 1180206372	2/27 lime 24.38 tons	$5,339.22		
85524	03/28/2018	LHOIST NORTH AMERICA	Inv# 1180205982A	2/22 lime 24.25 tons	$5,310.76		
	Total for Check:	85524				$15,899.41	$619,424.00
85525	03/28/2018	LILLESTRAND LEADERSHIP CONSULTING	Inv# 7005	2/20 leadership consulting	$2,426.55		
	Total for Check:	85525				$2,426.55	$36,998.43
85526	03/28/2018	LUCCI'S DELI BAKERY	Inv# 12304 COM/LEG	BPO CATERING SERVICE	$74.75		
85526	03/28/2018	LUCCI'S DELI BAKERY	Inv# 12304 COM/LEG		$20.00		
85526	03/28/2018	LUCCI'S DELI BAKERY	Inv# 12305 WIC	BPO CATERING SERVICE	$94.75		
	Total for Check:	85526				$189.50	$6,311.06
85527	03/28/2018	MAGNOLIA BIRD FARMS	Inv# 22616	BPO BIRD SEEDS AND SUPPLIES	$296.89		
	Total for Check:	85527				$296.89	$1,126.94
85528	03/28/2018	MATHESON TRI-GAS INC	Inv# 17132762	Feb18 cylinder rental-Lab	$33.00		
	Total for Check:	85528				$33.00	$8,371.55
85529	03/28/2018	MCCONNELL, JAMES F.	Inv# MARCH 1, 2018	Feb18 legis.support/D.C.	$7,527.00		
	Total for Check:	85529				$7,527.00	$67,577.00
85530	03/28/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 322007/5	Discount	($0.85)		
85530	03/28/2018	MCFADDEN-DALE HARDWARE CO.	Inv# 322007/5	BPO INDUSTRIAL SUPPLIES	$30.46		
	Total for Check:	85530				$29.61	$5,554.93
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59156373	Miscellaneous - McMaster	$37.95		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59212693	Discount	($1.59)		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59212693	Shipping	$5.14		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59212693	BPO INDUSTRIAL SUPPLIES	$79.28		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59156373	SHIPPING	$7.00		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59156373	Miscellaneous - McMaster	$98.09		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59044728	Discount	($17.47)		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59044728	Shipping	$88.58		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59044728	WIRE DECKING	$873.29		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58937480	DISCOUNT	($9.81)		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58937480	SHIPPING	$5.99		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58937480	Miscellaneous - McMaster	$196.19		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 58937480	Miscellaneous - McMaster	$294.28		
85532	03/28/2018	MCMASTER-CARR SUPPLY COMPANY	Inv# 59156373	DISCOUNT	($2.72)		
Total for Check:	85532					$1,654.20	$35,422.66
85533	03/28/2018	Markus, Michael R.	Inv# 3/19/18 TRAVEL Loan	3/19 SACTO SWRCB GWRSFE	$491.14		
Total for Check:	85533					$491.14	$9,449.46
85534	03/28/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 392240	Discount	($0.29)		
85534	03/28/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 391556	BPO AUTO PARTS & SUPPLIES	$21.47		
85534	03/28/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 391556	Discount	($0.43)		
85534	03/28/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 391561	BPO AUTO PARTS & SUPPLIES	$13.46		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85534	03/28/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 391561	Discount	($0.27)		
85534	03/28/2018	NAPA/ORANGE COUNTY AUTO PARTS	Inv# 392240	BPO AUTO PARTS & SUPPLIES	$14.40		
	Total for Check:	85534				$48.34	$9,341.78
85535	03/28/2018	Nguyen, Dina	Inv# FEBRUARY 2018 TRAVEL	Feb18 OCWD Various Meetings	$15.26		
	Total for Check:	85535				$15.26	$277.83
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2473500	3/2 s.hypochlorite 4898 gal	$3,026.96		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2470851	2/26 s.hypochlorite 4946 gal	$3,056.63		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2473907	3/4 s.hypochlorite 4452 gal	$2,751.34		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2473906	3/4 s.hypochlorite 4918 gal	$3,039.32		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2473800	3/2 s.hypochlorite 4964 gal	$3,067.75		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2473499	3/2 s.hypochlorite 4962 gal	$3,066.52		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2473498	3/2 s.hypochlorite 4970 gal	$3,071.46		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2472845	3/1 s.hypochlorite 5062 gal	$3,128.32		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2472844	3/1 s.hypochlorite 4946 gal	$3,056.63		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2472843	3/1 s.hypochlorite 4912 gal	$3,035.62		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2472842	3/1 s.hypochlorite 4954 gal	$3,061.57		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2470853	2/26 s.hypochlorite 4912 gal	$3,035.62		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2470852	2/26 s.hypochlorite 4996 gal	$3,087.53		
85537	03/28/2018	OLIN CHLOR ALKALI PRODUCTS	Inv# 2473801	3/3 s.hypochlorite 4806 gal	$2,970.11		
	Total for Check:	85537				$42,455.38	$563,370.03
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5783353.001	Allen Bradley Nema 300 Size 0	$302.76		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5791119.001	S&H	$9.25		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5791119.001	BPO ELECTRICAL SUPPLIES	$88.64		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5791109.001	Discount	($0.33)		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5791109.001	S&H	$9.24		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5791109.001	BPO ELECTRICAL SUPPLIES	$36.42		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5791119.001	Discount	($0.82)		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5777253.001	Discount	($1.95)		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5777253.001	S&H	$9.24		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5777253.001 SELF	BRADY XSL-103-427 IDXPERT	$212.03		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5768652.003	Discount	($0.79)		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5768652.003	S&H	$9.24		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5768652.003	INVENTORY RE-ORDER	$86.13		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5783353.001	SHIPPING	$12.00		
85539	03/28/2018	ONESOURCE DISTRIBUTORS INC.	Inv# S5783353.001	DISCOUNT	($2.78)		
	Total for Check:	85539				$768.28	$137,207.81
85540	03/28/2018	ORANGE COUNTY CONSERVATION CORPS	Inv# 03022018-OCWDADOPT removal	Feb18 graffiti/trash	$1,548.00		
	Total for Check:	85540				$1,548.00	$16,432.00
85541	03/28/2018	ORANGE COUNTY EMPLOYEE ASSOCIATION	Inv# MARCH 2018	OCEA Dues March2018	$3,117.03		
	Total for Check:	85541				$3,117.03	$31,419.91
85542	03/28/2018	ORANGE COUNTY TREASURER-TAX COLLECTOR	Inv# APRIL 2018	OCFCDLeaseMidBsnProj Apr18	$1,600.50		
	Total for Check:	85542				$1,600.50	$16,631.27
85543	03/28/2018	PACIFIC CORRUGATED PIPE CO.	Inv# SI410386	Discount	($71.77)		
85543	03/28/2018	PACIFIC CORRUGATED PIPE CO.	Inv# SI410386	36" HDPE FOR PRADO	$3,313.39		
85543	03/28/2018	PACIFIC CORRUGATED PIPE CO.	Inv# SI410386	36" HDPE FOR PRADO	$275.00		
	Total for Check:	85543				$3,516.62	$3,516.62
85544	03/28/2018	PACIFIC HYDROTECH CORPORATION	Inv# 11 (EW1-2016-1)	Prog.Pmt#11 (EW1-2016-1)	$29,142.33		
85544	03/28/2018	PACIFIC HYDROTECH CORPORATION	Inv# 11 (EW1-2016-1)	Prog.Pmt#11 (EW1-2016-1)	$1,562.75		
	Total for Check:	85544				$30,705.08	$3,247,105.32
85545	03/28/2018	PACIFIC OFFICE AUTOMATION	Inv# 230683	KONICA SERVICE AGREEMENT	$329.92		
	Total for Check:	85545				$329.92	$2,117.39
85546	03/28/2018	PARTS SOURCE	Inv# 45860	BPO AUTO PARTS	$61.48		
85546	03/28/2018	PARTS SOURCE	Inv# 45860	Discount	($1.23)		
	Total for Check:	85546				$60.25	$60.25
85547	03/28/2018	PAUL CASH	Inv# INVOICE#QUOTE PRESENTER	CWEF 2018 - PAID	$1,900.00		
	Total for Check:	85547				$1,900.00	$1,900.00
85548	03/28/2018	PENDERGRAFT, REX	Inv# APRIL 2018	RetireeCashMedical Apr2018	$543.43		
	Total for Check:	85548				$543.43	$5,296.42

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

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85549	03/28/2018	PUMPMAN LLC	Inv# 800189	FREIGHT	$40.00		
85549	03/28/2018	PUMPMAN LLC	Inv# 800189	OC 28 Pump Replacement	$269.94		
	Total for Check:	85549				$309.94	$2,384.73
85550	03/28/2018	Patel, Mehul	Inv# 3/12-16/18 TRAVEL	3/12-16 W.Palm Bch, FL AWTA	$235.70		
	Total for Check:	85550				$235.70	$776.92
85551	03/28/2018	Pham, Christine	Inv# 3/5-7/18 TRAVEL Symposium	3/5-7 San Diego GRA	$373.19		
	Total for Check:	85551				$373.19	$496.45
85552	03/28/2018	QUINN COMPANY	Inv# PC830357255	Fleet Equipment Repair	$2,263.55		
85552	03/28/2018	QUINN COMPANY	Inv# PC830357255	Fleet Equipment Repair	$1,086.06		
85552	03/28/2018	QUINN COMPANY	Inv# PC830357255	Fleet Equipment Repair	$2.55		
85552	03/28/2018	QUINN COMPANY	Inv# PC830357255	Fleet Equipment Repair	$2.52		
	Total for Check:	85552				$3,354.68	$79,535.51
85553	03/28/2018	R & B AUTOMATION, INC.	Inv# 10146835	MBI valve actuator field svc	$1,500.00		
85553	03/28/2018	R & B AUTOMATION, INC.	Inv# 10146835	MBI valve actuator field svc	$1,078.03		
	Total for Check:	85553				$2,578.03	$2,578.03
85554	03/28/2018	RED WING SHOE STORE	Inv# 407-1-16365	WORK BOOTS	$189.63		
	Total for Check:	85554				$189.63	$5,702.61
85555	03/28/2018	SALCO DYNAMIC SOLUTIONS, INC.	Inv# 47633		($151.71)		
85555	03/28/2018	SALCO DYNAMIC SOLUTIONS, INC.	Inv# 47633		$49.75		
85555	03/28/2018	SALCO DYNAMIC SOLUTIONS, INC.	Inv# 47633		$54.25		
85555	03/28/2018	SALCO DYNAMIC SOLUTIONS, INC.	Inv# 47633	INVENTORY RE-ORDER	$4,402.70		
85555	03/28/2018	SALCO DYNAMIC SOLUTIONS, INC.	Inv# 47633	INVENTORY RE-ORDER	$3,078.50		
	Total for Check:	85555				$7,433.49	$16,772.90
85556	03/28/2018	SANTA ANA, CITY OF	Inv# 5-3995-300MAR18	1/12-3/15/18useage 3	$161.63		
	Total for Check:	85556				$161.63	$40,757.37
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$150.71		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$0.56		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$44.12		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$1.34		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$232.98		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$0.71		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$551.00		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$565.21		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$986.58		
85557	03/28/2018	SC FUELS	Inv# 2173318	BPO UNLEADED FUEL FOR VEHICLES	$158.04		
	Total for Check:	85557				$2,691.25	$34,978.48
85558	03/28/2018	SEAL BEACH, CITY OF	Inv# RENEW 2 MO.ENCROACHMENT P ENCROACHMENT PERMIT		$420.66		
	Total for Check:	85558				$420.66	$841.32
85559	03/28/2018	SECURITAS SECURITY SERVICES USA, INC.	Inv# W5955011	Feb18 security service	$5,246.40		
	Total for Check:	85559				$5,246.40	$51,677.04
85560	03/28/2018	SIMPLOT PARTNERS	Inv# 205049926	FERTILIZER FOR LANDSCAPE	$1,535.44		
	Total for Check:	85560				$1,535.44	$1,535.44
85561	03/28/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-027-0770-76MAR18	2/15-3/18/18KWH2,683	$342.23		
85561	03/28/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-033-3618-73MAR18	2/21-3/22/18KWH228	$55.59		
85561	03/28/2018	SOUTHERN CALIFORNIA EDISON CO.	Inv# 3-043-7407-25MAR18	2/21-3/22/18KWH1,667	$4,787.95		
	Total for Check:	85561				$5,185.77	$5,930,388.92
85562	03/28/2018	SOUTHERN COUNTIES LUBRICANTS LLC	Inv# 363428	BPO OIL/LUBRICANTS	$189.64		
	Total for Check:	85562				$189.64	$27,844.87
85563	03/28/2018	STAPLES	Inv# 3370881622	OFFICE SUPPLIES	$91.34		
85563	03/28/2018	STAPLES	Inv# 3370881622	OFFICE SUPPLIES	$39.79		
	Total for Check:	85563				$131.13	$41,614.42
85564	03/28/2018	STERIS CORPORATION	Inv# 501549824	EQUIP. SERVICE	$3,142.20		
	Total for Check:	85564				$3,142.20	$16,260.78
85565	03/28/2018	SUNBELT CONTROLS	Inv# 2009849	SUNBELT Controls Service Contr	$1,326.67		
	Total for Check:	85565				$1,326.67	$5,306.67
85566	03/28/2018	Sarmiento, Vincent	Inv# 2/1-2/18 TRAVEL	2/1-2 Monterey Cal Desal	$630.79		
85566	03/28/2018	Sarmiento, Vincent	Inv# 2/26/18 TRAVEL	2/26 SACTO GWR Recognition	$72.00		
85566	03/28/2018	Sarmiento, Vincent	Inv# FEBRUARY 2018 TRAVEL Meetings	Feb18 OCWD Various	$38.15		
	Total for Check:	85566				$740.94	$1,105.11
85567	03/28/2018	Scott-Roberts, Sandy	Inv# 3/12-16/18 TRAVEL	3/12-16 W.Palm Bch, FL AWTA	$46.96		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
	Total for Check:	85567				$46.96	$582.40
85568	03/28/2018	Sheldon, Stephen R.	Inv# FEBRUARY 2018 TRAVEL Meetings	Feb18 OCWD Various	$62.68		
	Total for Check:	85568				$62.68	$934.20
85569	03/28/2018	THE CREATIVE ANIMAL INC	Inv# 19	CWEF 2018 PRESENTER	$6,000.00		
	Total for Check:	85569				$6,000.00	$6,000.00
85570	03/28/2018	TRI-TEK BURGLAR ALARM CO.	Inv# 124026	BPO ALARM MONITORING	$606.00		
	Total for Check:	85570				$606.00	$3,382.00
85571	03/28/2018	TROPICAL PLAZA NURSERY, INC.	Inv# M58914	ANNUAL LANDSCAPE MAINT	$3,236.20		
	Total for Check:	85571				$3,236.20	$19,417.20
85572	03/28/2018	TRUCKER * HUSS	Inv# 76969	Jan18 legal/MPP	$791.64		
85572	03/28/2018	TRUCKER * HUSS	Inv# 76969	Jan18 legal/MPP	$650.86		
	Total for Check:	85572				$1,442.50	$2,652.50
85573	03/28/2018	Tan, Lo	Inv# 3/19/18 TRAVEL Loan	3/19 SACTO SWRCB GWRSFE	$390.97		
	Total for Check:	85573				$390.97	$897.54
85574	03/28/2018	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# FEB2018 CC DEDUCT charge	Deduct: Amazon unknown	($107.66)		
85574	03/28/2018	U.S. BANK CORPORATE PAYMENT SYSTEM	Inv# FEBRUARY 2018 CC	02/22/2018 STMT-FEB 2018	$27,364.80		
	Total for Check:	85574				$27,257.14	$274,867.08
85575	03/28/2018	UNION BANK	Inv# 1088836	99A ANN.ADMIN+MISC 3/1/2/28/19	$2,690.00		
85575	03/28/2018	UNION BANK	Inv# 1088837	03B ANN.ADMIN+MISC3/1-2/28/19	$2,690.00		
85575	03/28/2018	UNION BANK	Inv# 1088902	03A ANN ADMIN+MISH 3/-2/28/19	$4,090.00		
	Total for Check:	85575				$9,470.00	$21,608.03
85576	03/28/2018	UNITED PARCEL SERVICE INC	Inv# 0000X81601118		$59.78		
	Total for Check:	85576				$59.78	$2,135.48
85577	03/28/2018	UNIVAR USA	Inv# LA624541	Discount	($67.24)		
85577	03/28/2018	UNIVAR USA	Inv# LA624541	3/23 sulfuric acid 25.09 tons	$3,362.06		
85577	03/28/2018	UNIVAR USA	Inv# LA624540	3/23 sulfuric acid 25.06 tons	$3,358.04		
85577	03/28/2018	UNIVAR USA	Inv# LA624540	Discount	($67.16)		
	Total for Check:	85577				$6,585.70	$209,923.06
85578	03/28/2018	UNIVERSAL BACKGROUND SCREENING INC	Inv# 201802008258	BACKGROUND CHECK	$505.50		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
Total for Check:	85578					$505.50	$3,921.66
85579	03/28/2018	VALIN CORPORATION	Inv# 3301152	Cartridge filters - Barrier by	$1,846.43		
85579	03/28/2018	VALIN CORPORATION	Inv# 3301152		($18.85)		
85579	03/28/2018	VALIN CORPORATION	Inv# 3301152		$38.46		
85579	03/28/2018	VALIN CORPORATION	Inv# 3300426		($15.09)		
85579	03/28/2018	VALIN CORPORATION	Inv# 3300426		$7.76		
85579	03/28/2018	VALIN CORPORATION	Inv# 3300426	Cartridge filters - Barrier by	$1,461.90		
85579	03/28/2018	VALIN CORPORATION	Inv# 3300426		$38.46		
Total for Check:	85579					$3,359.07	$7,407.65
85580	03/28/2018	VERIZON WIRELESS	Inv# 9803692789	MARCH CELL PHONES	$2,896.43		
Total for Check:	85580					$2,896.43	$26,400.70
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081727497	INVENTORY RE-ORDER	$1,000.50		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081731285		$11.09		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081714427		($2.09)		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081731285	LABORATORY SUPPLIES	$22.54		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081731285		($0.34)		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081727497		($10.01)		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081727496	INVENTORY RE-ORDER	$50.12		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081727496	INVENTORY RE-ORDER	$1,673.18		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081714427	LABORATORY SUPPLIES	$208.37		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081727496	INVENTORY RE-ORDER	$375.19		
85582	03/28/2018	VWR INTERNATIONAL, INC.	Inv# 8081727496		($20.99)		
Total for Check:	85582					$3,307.56	$107,396.06
85583	03/28/2018	Villarreal, Leticia	Inv# 2/13/18 GWRS 10TH ANNIVER	2/13/18 GWRS 10th Anniversary	$123.75		
Total for Check:	85583					$123.75	$157.48
85584	03/28/2018	WATERS CORPORATION	Inv# 270898334	LABORATORY SUPPLIES	$727.32		
85584	03/28/2018	WATERS CORPORATION	Inv# 270898334		$45.57		
Total for Check:	85584					$772.89	$44,923.32
85585	03/28/2018	Whitaker, Bruce	Inv# FEBRUARY 2018 TRAVEL	Feb18 OCWD Various Meetings	$150.97		
Total for Check:	85585					$150.97	$2,014.32

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

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85586	03/28/2018	Yoh, Roger	Inv# FEBRUARY 2018 TRAVEL Meetings	Feb18 OCWD Various	$45.78		
	Total for Check:	85586				$45.78	$1,361.58
85587	03/28/2018	ZCATER	Inv# 164431	HAZMAT 8HR FOOD	$172.58		
	Total for Check:	85587				$172.58	$2,262.39
976435	03/26/2018	CITIBANK NA NEW YORK, ABA	Inv# MARCH 26,2018	OCWD 2005A SWAP PYMT,	$107,530.24		
	Total for Check:	976435				$107,530.24	$1,427,200.72
976436	03/22/2018	U.S. BANK N.A. MINNESOTA-PARS	Inv# PARS TRUST Q3 JAN-APR18 JAN-APR2018	OPEBTRUSTQ3	$325,983.00		
	Total for Check:	976436				$325,983.00	$1,303,932.00
976437	03/22/2018	CALIFORNIA DEPARTMENT OF TAX & FEE ADMIN	Inv# 24792532 FEB18	SalesUseTax Feb2018	$1,442.00		
	Total for Check:	976437				$1,442.00	$3,777.50
976438	03/27/2018	WELLS FARGO BANK	Inv# MARCH 28,18 #6527	Mar.28,18 PR#07 ID#6527	$50,724.29		
	Total for Check:	976438				$50,724.29	$15,816,043.15
976439	03/27/2018	WELLS FARGO BANK	Inv# MARCH 28,18 GARNABF GarnABF	Mar.28,18 PR#07	$1,390.61		
	Total for Check:	976439				$1,390.61	$15,816,043.15
976440	03/27/2018	WELLS FARGO BANK	Inv# MARCH 28,18 #6911	Mar.28,18 PR#07 ID#6911	$711,386.16		
	Total for Check:	976440				$711,386.16	$15,816,043.15
976441	03/28/2018	PRUDENTIAL RETIREMENT SERVICE	Inv# MARCH 28,18	Mar.28,18 PR#07 401a	$205,677.05		
	Total for Check:	976441				$205,677.05	$4,235,007.67
976442	03/28/2018	PRUDENTIAL RETIRMENT	Inv# MARCH 28,18	Mar.28,18 PR#07 457b	$56,898.81		
	Total for Check:	976442				$56,898.81	$1,167,014.33
Run Date:	***3/28/2018***				**$2,573,474.42**	**$2,573,474.42**	

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
801783	03/28/2018	EVOQUA WATER TECHNOLOGIES LLC	Inv# 903454975	BPO TANK RENTAL WATER SYSTEM	$78.37		
	Total for Check:	801783				$78.37	$2,760,950.29
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 5534382	LABORATORY SUPPLIES	$58.01		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 5960434	LABORATORY SUPPLIES	$41.48		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 5534382	LABORATORY SUPPLIES	$34.26		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 5534382	LABORATORY SUPPLIES	$1,190.74		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 4874167		$4.20		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 4874167	LABORATORY SUPPLIES	$72.95		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 4874167	LABORATORY SUPPLIES	$375.52		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 4874164		$4.20		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 4874164	REFRIGERATOR	$8,192.07		
801784	03/28/2018	FISHER SCIENTIFIC CO.	Inv# 5534382		$4.20		
	Total for Check:	801784				$9,977.63	$109,805.32
801785	03/28/2018	IRON MOUNTAIN	Inv# 201541567	MONTHLY ARCHIVAL STORAGE	$470.40		
801785	03/28/2018	IRON MOUNTAIN	Inv# PWR7076	MONTHLY ARCHIVAL STORAGE	$2,960.90		
	Total for Check:	801785				$3,431.30	$30,787.86
801786	03/28/2018	SIGMA-ALDRICH INC.	Inv# 544125672	LABORATORY SUPPLIES	$149.26		
801786	03/28/2018	SIGMA-ALDRICH INC.	Inv# 544101951	LABORATORY SUPPLIES	$319.73		
801786	03/28/2018	SIGMA-ALDRICH INC.	Inv# 544101951	LABORATORY SUPPLIES	$97.88		
801786	03/28/2018	SIGMA-ALDRICH INC.	Inv# 544101951		$23.69		
801786	03/28/2018	SIGMA-ALDRICH INC.	Inv# 544125672		$25.59		
801786	03/28/2018	SIGMA-ALDRICH INC.	Inv# 544125672	LABORATORY SUPPLIES	$217.50		
801786	03/28/2018	SIGMA-ALDRICH INC.	Inv# 544125672	LABORATORY SUPPLIES	$336.04		
	Total for Check:	801786				$1,169.69	$31,398.15
801787	03/28/2018	WECK LABORATORIES, INC.	Inv# W8C0138-OCWD ANALYSES	BPO FOR WATER QUALITY	$120.00		
	Total for Check:	801787				$120.00	$32,994.50
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 10643351	freight	$27.19		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182710C	Feb18 cylinder rental-Recharge	$6.44		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182710B	Feb18 cylinder rental-Hydrogeo	$12.88		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182710B	Feb18 cylinder rental-Wtr.Prod	$175.64		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182710A	Feb18 cylinder rental-Lab	$541.72		

Orange County Water District

Check Register

Begin Date: 03/22/2018 **End Date:** 03/28/2018

Accounts Payable Check Register Presented for Board Ratification and/or Approval

Check No.	Date	Vendor Name	Invoice #	Purpose	Invoice Amount	Check Amount	FYTD
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182709	Feb18 cylinder rental-Recharge	$186.76		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182708	Feb18 cylinder rental-Wtr.Prod	$21.15		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 10643351	hazardous material	$9.78		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 10643351	Lab-CO2,nitrogen,HE 300	$221.31		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 10643335	hazardous material charge	$9.79		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 10643335	freight	$27.19		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 10643335	Water Prod-nitrogen 200	$32.62		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182711	Feb18 cylinder rental-Lab	$231.25		
801789	03/28/2018	WESTAIR GASES & EQUIPMENT	Inv# 80182708	Feb18 cylinder rental-Wtr.Prod	$43.25		
	Total for Check:	801789				$1,546.97	$56,689.60
Run Date:	***3/28/2018***				**$16,323.96**	**$16,323.96**	

MINUTES OF REGULAR MEETING
BOARD OF DIRECTORS, ORANGE COUNTY WATER DISTRICT
March 7, 2018, 5:30 p.m.

President Bilodeau called to order the March 7, 2018 regular meeting of the Orange County Water District Board of Directors at 5:30 p.m. in the Boardroom at the District office. Director Nguyen participated via teleconference from 200 Edenvale Avenue, San Jose. Following the Pledge of Allegiance to the Flag, the District Secretary called the roll and reported a quorum as follows.

Directors		Staff
Philip Anthony	(absent)	Michael Markus, General Manager
Denis Bilodeau		Joel Kuperberg, General Counsel
Shawn Dewane	(absent)	Janice Durant, District Secretary
Cathy Green		
Dina Nguyen	(via teleconference)	
Vicente Sarmiento		
Stephen Sheldon	(absent)	
James Vanderbilt		
Bruce Whitaker		
Roger Yoh	(arrived 5:50 p.m.)	

VISITOR PARTICIPATION

There were no persons wishing to address the Board on items not listed on the agenda at tonight's meeting.

CONSENT CALENDAR

Director Nguyen recorded a "No" vote on Item No. 2, *Minutes of March 7 Board meeting*. There being only six Directors present, the item was deferred to the next Board meeting. The balance of the Consent Calendar was then approved upon motion by Director Sarmiento, seconded by Director Whitaker and carried [6-0] as follows:
Ayes: Bilodeau, Green, Nguyen, Sarmiento, Whitaker, Vanderbilt
Absent: Anthony, Dewane, Sheldon, Yoh

1. Approval of Cash Disbursements

MOTION NO. 18-23
APPROVING CASH DISBURSEMENTS

Payment of bills for the period February 15, 2018 through February 28, 2018 in the total amount of 4,125,218.10 is ratified and approved.

2. Approval of Minutes of Board Meetings

This item was deferred to the next Board meeting.

ITEMS RECOMMENDED FOR APPROVAL AT PROPERTY MANAGEMENT COMMITTEE MEETING HELD FEBRUARY 23

3. Lease Amendment with Gentry Golf and Consent to Sublease with DH and Lo, Inc. for Golf Pro Shop at Burris Basin

RESOLUTION NO. 18-3-19
AUTHORIZING AMENDMENT TO LEASE AGREEMENT WITH GENTRY GOLF, INC.
DBA THE ISLAND GOLF CENTER AT BURRIS BASIN
AND CONSENTING TO SUBLEASE WITH DH AND LO, INC.
DBA OLYMPUS GOLF PRO

WHEREAS, pursuant to Resolution No. 91-12-284 adopted December 18, 1991, and subsequent amendments thereto, the OCWD Board entered into a Lease with Gentry Golf, Inc., dba The Islands Golf Center, L.P. (Gentry), for operation of a golf driving range and related activities at OCWD's Burris Basin; and

WHEREAS, pursuant to Resolution No. 08-8-107 adopted August 6, 2008, the OCWD Board approved an Amended and Restated Lease Agreement with Gentry providing for, among other things, a lease renewal for 10 years through September 30, 2018; and

WHEREAS, the Property Management Committee has recommended issuance of Amendment One to such Lease Agreement requiring Gentry to provide additional General Liability insurance coverage, and

WHEREAS, the Committee has further recommended consent to a Sublease between DH and LO, Inc., dba Olympus Golf Pro and Gentry Golf, Inc.;

NOW, THEREFORE, the Board of Directors of the Orange County Water District hereby resolve as follows:

Section 1: Amendment One to the Lease Agreement with Gentry Golf, Inc. is authorized as outlined herein, and, upon approval as to form by District General Counsel, its execution by the District staff is authorized.

Section 2: Consent to a Sublease between DH and LO, Inc., dba Olympus Golf Pro and Gentry Golf, Inc. is authorized.

4. Lease Amendment with Sandwood Enterprises Inc. dba Orange County Sandbagger for Property Located at 2424 N. Batavia Street, Orange

RESOLUTION NO. 18-3-20
AUTHORIZING LEASE AMENDMENT WITH SANDWOOD ENTERPRISES INC. DBA ORANGE COUNTY SANDBAGGER

WHEREAS, pursuant to Resolution No. 07-4-50 adopted April 4, 2007, and subsequent amendments thereto, OCWD entered into a lease agreement with Sandwood Enterprises, Inc., d.b.a. Orange County Sandbagger, for a sandbagging operation at 2424 No. Batavia Street in the City of Orange through March 31, 2017; and

WHEREAS, the Property Management Committee of this Board has recommended approval of Amendment No. Three to such lease extending the Lease expiration date to March 31, 2019, with all other terms and conditions of the Lease to remain the same;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby approve the aforementioned Amendment Three to such Lease as outlined herein; and, upon approval as to form by District General Counsel, its execution by the District officers is authorized.

MATTERS FOR CONSIDERATION

5. GWRS Final Expansion Project – Scinor Membrane Demonstration Test

President Bilodeau noted that staff received a full presentation on this item at the last Board meeting. There being no further questions for staff and, upon motion by Director Green, seconded by Director Whitaker, the following resolution was unanimously adopted [6-0].
Ayes: Bilodeau, Green, Nguyen, Sarmiento, Whitaker, Vanderbilt
Absent: Anthony, Dewane, Sheldon, Yoh

RESOLUTION NO. 18-3-21
AUTHORIZING PURCHASE OF SCINOR WATER AMERICA ULTRAFILTRATION MEMBRANES AND AUTHORIZING AMENDMENT TO AGREEMENT WITH SPI ENGINEERING FOR TECHNICAL SUPPORT FOR SCINOR MEMBRANE DEMONSTRATION CELL

WHEREAS, the District staff has recommended purchasing and installing 684 Scinor microfiltration membranes for the GWRS Final Expansion Project at a cost of $528,140 in order to determine whether the successful pilot study results remain consistent on a larger scale, and to allow the staff to determine the increased production of microfiltration filtrate using this membrane; and

WHEREAS, staff has further recommended issuance of Amendment No. 1 to SPI Engineering Agreement No. 1264 for an amount not to exceed $25,000 for technical design support for the Scinor membrane demonstration cell;

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby resolve as follows:

Section 1: Issuance of a Purchase Order to Scinor Water America is authorized in the amount of $528,140 for 684 ultrafiltration membranes.

Section 2: Amendment No. 1 to SPI Engineering Agreement No. 1264 is authorized for an amount not to exceed $25,000 for technical design support for the Scinor membrane demonstration cell.

Director Yoh arrived at 5:50 p.m. during the following presentation.

INFORMATIONAL ITEMS

6. FY 2018-19 Budget Presentation

General Manager Mike Markus advised that the District received a letter today from the Cities of Anaheim, Fullerton and Santa Ana requesting that the Replenishment Assessment (RA) not be raised this year. District Chief Financial Officer/Treasurer Randy Fick then provided an overview of the FY 2018-19 budget totaling $237.7 million. He noted the budget assumes maintaining a 75% Basin Production Percentage, and increasing the RA from $445 to $472 per acre foot.

7. Santa Ana Watershed Project Authority Activities

There was no discussion of this item.

8. Committee/Conference/Meeting Reports

The Board reported on the Property Management Committee meeting held February 23 and noted the Action Agenda was included in tonight's Board packet.

9. VERBAL REPORTS

Director Bilodeau reported on his attendance at the World Water Tech Innovation Summit in London on February 20-21.

10. ADJOURNMENT

General Counsel Kuperberg advised that there was no need to adjourn to Closed Session at tonight's meeting. There being no further business to come before the Board, the meeting was adjourned at 5:56 p.m.

_____
Janice Durant, District Secretary

_____
Denis Bilodeau, President

AGENDA ITEM SUBMITTAL

Meeting Date: April 4, 2018

To: Board of Directors

From: Mike Markus

Staff Contact: R. Herndon, D. Mark
D. Field

Budgeted: N/A
Budgeted Amount: N/A
Cost Estimate: $0
Funding Source: N/A
Program/ Line Item No.: N/A
General Counsel Approval: Yes
Engineers/Feasibility Report: N/A
CEQA Compliance: MND Pending

Subject: AMENDMENT TO ENCROACHMENT LICENSE TO CITY OF ANAHEIM ADDING NORTH BASIN REMEDIAL INVESTIGATION MONITORING WELLS AM-55A, AM-55B, AM-56A, AND AM-56B

SUMMARY

The expected final round of monitoring well installations under U.S. Environmental Protection Agency (EPA) oversight for the North Basin Remedial Investigation (RI) involves installing eight additional monitoring wells at five locations. Four of these wells at two locations (AM-55A, AM-55B, AM-56A, and AM-56B) would be located on City of Anaheim right-of-way, and are recommended to be added to the District's existing Encroachment License with the city via a no-cost amendment. Despite authorizing the Encroachment License Amendment, the Board retains full discretion not to approve the project.

Attachment(s):

- Figure 1 – Well Location Map
- Copy of Second Amendment to Encroachment License No. ENC 2015-00153 (Originals and Exhibits on file with Board Secretary)

RECOMMENDATION

Authorize issuance of Second Amendment to City of Anaheim Encroachment License No. ENC 2015-00153 for the purpose of constructing, monitoring, and maintaining North Basin RI monitoring wells AM-55A, AM-55B, AM-56A, and AM-56B in City of Anaheim right-of-way.

BACKGROUND/ANALYSIS

Thirteen monitoring wells at seven locations were recently installed as part of a first round of monitoring well installations under EPA oversight to support the RI (Figure 1). The expected final round of North Basin RI monitoring well installations including eight additional monitoring wells at five locations (Figure 1). For the additional monitoring wells, staff has completed well siting, is working on permitting with the cities of Fullerton and Anaheim, and is preparing a Mitigated Negative Declaration and Geologist's Report. Staff expects to come back to the Board in June to consider approval of CEQA,

consider approval of Geologist's Report, consider award of well construction contract, and establish a project budget.

Two adjacent monitoring wells at two sites (AM-55A, AM-55B, AM-56A, and AM-56B) will be located in City of Anaheim right-of-way. The locations of AM-55A, AM-55B, AM-56A, and AM-56B are shown on Figure 1. The construction of these wells is planned for late summer or fall of this year.

OCWD has an existing Encroachment License with the City of Anaheim that includes all OCWD-owned monitoring wells in Anaheim right-of-way. The recommended Second Amendment to Encroachment License No. ENC 2015-00153 (attached) will add these proposed wells to the existing License.

There is no fee for processing the Encroachment License Amendment. The Encroachment License has no term limit; however, the City may revoke the License with a 90-day notice.

Authorizing the Encroachment License Amendment does not commit the Board to approve the project. However, if the Board approves the project at a later date, authorizing the Amendment at this time will help expedite the project's schedule.

PRIOR RELEVANT BOARD ACTIONS

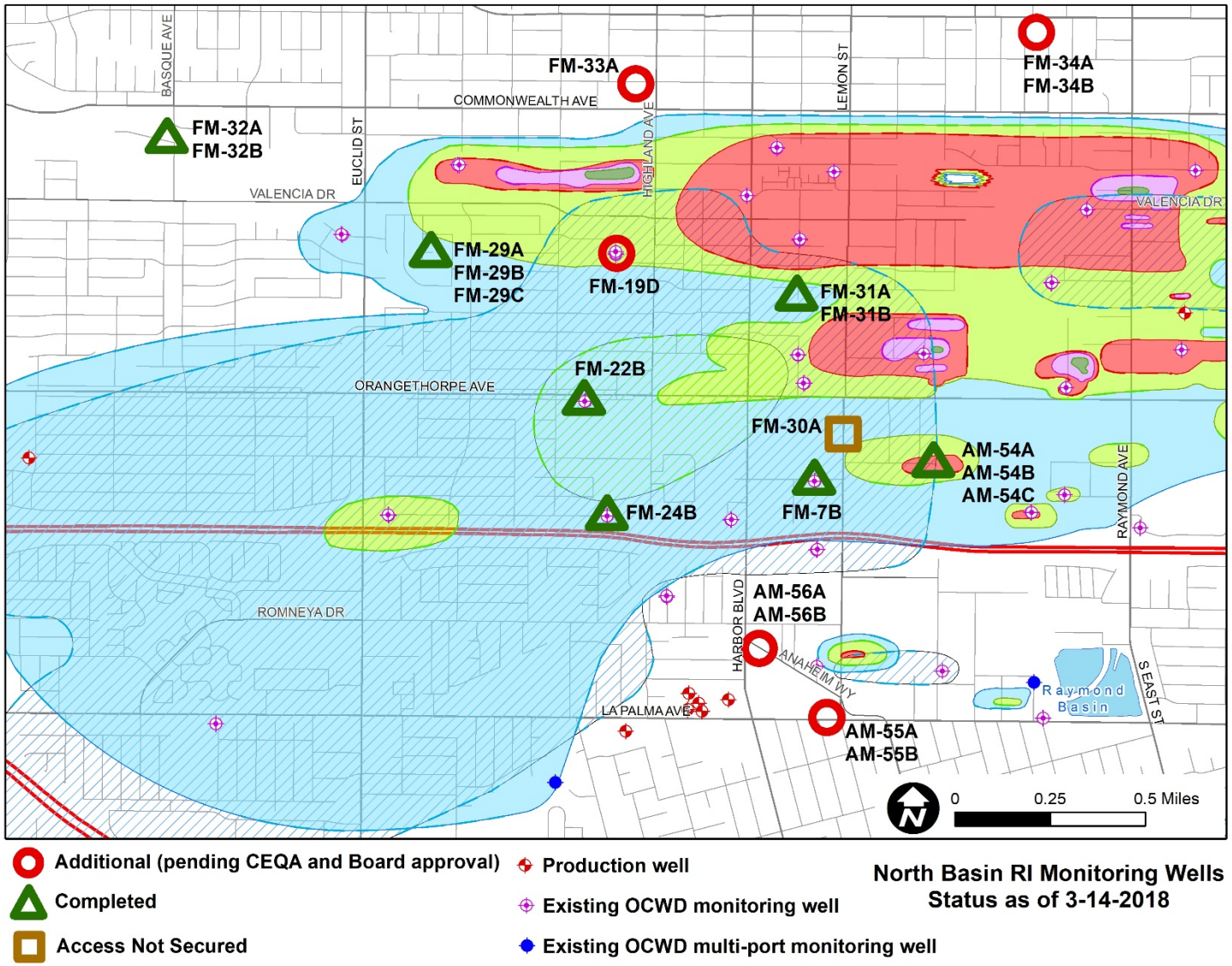
2/15/2017 R17-2-12 Approve First Amendment to City of Anaheim Encroachment License No. ENC2015-00153 for OCWD wells located in City rights-of-way.

10/19/2016 R16-10-137 Approve city of Anaheim Encroachment License No. ENC2015-00153 for OCWD wells located in City rights-of-way.

9/19/2016 R16-09-127 Authorize Budget and consultant retention for the North Basin RI/FS under EPA oversight.

7/20/2016 R16-7-106 Authorize agreements for services related to the North Basin Remedial Investigation and Feasibility Study.

Figure 1


BASQUE AVE
EUCLID ST
HIGHLAND AVE
LEMON ST
COMMONWEALTH AVE
VALENCIA DR
VALENCIA DR
ORANGETHORPE AVE
ROMNEYA DR
HARBOR BLVD
ANAHEIM WY
LA PALMA AVE
RAYMOND AVE
S EAST ST
FM-33A
FM-34A
FM-34B
FM-32A
FM-32B
FM-29A
FM-29B
FM-29C
FM-19D
FM-31A
FM-31B
FM-22B
FM-30A
AM-54A
AM-54B
AM-54C
FM-7B
FM-24B
AM-56A
AM-56B
AM-55A
AM-55B
Raymond Basin
0
0.25
0.5 Miles
Additional (pending CEQA and Board approval)
Completed
Access Not Secured
Production well
Existing OCWD monitoring well
Existing OCWD multi-port monitoring well
North Basin RI Monitoring Wells
Status as of 3-14-2018

ORIGINAL

SECOND AMENDMENT TO

ENCROACHMENT LICENSE

LICENSE NO. ENC 2015-00153

THIS SECOND AMENDMENT TO ENCROACHMENT LICENSE AGREEMENT

is made and entered into by and between the

CITY OF ANAHEIM, a chartered city and municipal corporation, hereinafter referred to as "ANAHEIM,"

A
N
D

ORANGE COUNTY WATER DISTRICT, a special governmental district organized and existing pursuant to the Orange County Water District Act, Chapter 924 of the California Statutes of 1933, as amended, hereinafter referred to as "LICENSEE."

RECITALS

THIS SECOND AMENDMENT TO ENCROACHMENT LICENSE AGREEMENT is granted by ANAHEIM in contemplation of the following recitals:

WHEREAS, ANAHEIM and LICENSEE previously entered into that certain Encroachment License (ENC2015-0153) dated November 2, 2016 and First Amendment to Encroachment License dated March 8, 2018, ("Encroachment License") for the installation and maintenance of multiple groundwater monitoring wells; and,

WHEREAS, ANAHEIM and LICENSEE wish to amend the Encroachment License in order to identify additional groundwater monitoring wells and replace Exhibits A and B.

NOW, THEREFORE, FOR AND IN CONSIDERATION OF THE MUTUAL PROMISES, COVENANTS AND CONDITIONS HEREIN CONTAINED, THE PARTIES HERETO AGREE AS FOLLOWS:

1. That Exhibit "A-1" and Exhibit "B-1" to the Agreement are hereby replaced with new Exhibit "A-2" and Exhibit "B-2," attached to this Second Amendment to Agreement and incorporated herein.

2. Except as expressly amended hereby, all the remaining provisions of the Encroachment License, as amended, shall remain in full force and effect.

3. LICENSEE and LICENSEE's signators represent that the signators hold the positions set forth below their signatures and that the signators are authorized to execute this Second Amendment to Encroachment License Agreement on behalf of LICENSEE and to bind LICENSEE hereto.

4. This Second Amendment to Encroachment License Agreement shall be effective on the date on which this Agreement is executed by ANAHEIM ("Effective Date").

(Remainder of page intentionally left blank; signatures on next page)

IN WITNESS WHEREOF, the parties hereto have caused this SECOND AMENDMENT TO ENCROACHMENT LICENSE AGREEMENT to be executed on the dates set forth below.

Date of Execution

CITY OF ANAHEIM
a municipal corporation

_____

By: _____
Director of Public Works

"ANAHEIM"

ORANGE COUNTY WATER DISTRICT
political subdivision of the State of California
organized under Chapter 924 of the Statutes of
1933, as amended

APPROVED AS TO FORM
Rutan & Tucker LLP

By: _____
Denis R. Bilodeau, P.E., President

By: _____
General Counsel, Orange
County Water District

By: _____
Michael R. Markus, P.E., General Manager

"LICENSEE"

APPROVED AS TO FORM:
KRISTIN A. PELLETIER, ACTING CITY ATTORNEY

By: _____
Bryn M. Morley
Deputy City Attorney

Dated: _____

126754

Backup materials for Committee items are available in the Committee packet.
Materials distributed at Committee meetings are attached hereto

AGENDA ITEM SUBMITTAL

Meeting Date: March 23, 2018

To: Property Management Committee/ Board of Directors

From: Mike Markus

Staff Contact: B. Dosier/C. Leinart

Budgeted: N/A
Budgeted Amount: N/A
Revenue Estimate: $23,280
Funding Source: N/A
Program/ Line Item No. N/A
General Counsel Approval: Required
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: **AGREEMENT WITH ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA) FOR THE ACQUISTION OF PROPERTY LOCATED AT THE EAST SIDE OF PACIFIC STREET AT SPENCER AVENUE FOR THE CALTRANS I-405 IMPROVEMENT PROJECT**

SUMMARY

Orange County Transportation Authority (OCTA) in cooperation with The California Department of Transportation (Caltrans) is widening Interstate 405 (I-405) between State Route 73 (SR-73) and Interstate 605 (I-605). OCTA is requesting acquisition of a 38-square foot partial fee and a 469-square foot temporary construction easement (TCE) interest in the District's Deep Well "5" property located on the East side of Pacific Street at Spencer Avenue, in Fountain Valley.

Attachment(s):

- Exhibit A2 Fee Acquisition Property
- Exhibit B2 Temporary Construction Easement
- OPC Receipt of Offer Package which includes:
    1. Appraisal Summary Statement dated November 30, 2017
    2. OCTA Right-Of-Way Contract
    3. OCTA Grant Deed
    4. OCTA Temporary Construction Easement Deed

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for April 4 Board meeting: Approve and authorize execution of Orange County Transportation Authority (OCTA) Right-Of-Way Contract, Grant Deed, and Temporary Construction Easement for the District's Deep Well "5" property located on the east side of Pacific Street at Spencer Avenue in Fountain Valley

BACKGROUND/ANALYSIS

OCTA in cooperation with Caltrans is widening I-405 between SR-73 and I-605 (Project). The Project is intended to increase freeway capacity, improve traffic and

interchange operations and enhance road safety. It will improve 16 miles of the I-405 and includes adding one regular lane in each direction from Euclid Street to I-605 and making improvements to freeway entrances, exits and bridges.

Overland, Pacific & Cutler, LLC (OPC) has been contracted by OCTA to negotiate and acquire the necessary rights for the Project. The property interests OCTA seeks to acquire consist of the following: 1) 38 square foot partial fee and 2) 469 square foot temporary construction easement ("Property Interests"), at OCWD's Deep Well "5" property, located on the East side of Pacific Street at Spencer Avenue, Fountain Valley, California (APN 156-165-07). The OCWD Deep Wells are used to supplement peak Green Acres Project (GAP) demands, provide a backup water resource when needed, and to blend with GAP water for salt control.

A licensed real estate appraiser with OPC has inspected and appraised the Property Interests to determine the fair market value. Based on this appraisal, OCTA has determined that the just compensation for the Property Interests is $19,400. OCTA's Board of Directors has approved an Incentive Payment Program for the Project. This Incentive Payment Program provides that OCWD enter into a Right of Way Contract with OCTA within 60 days of receipt of the offer for the Property Interests in the amount offered and OCTA will pay an additional 20% of the amount of just compensation as an incentive for the timely signing of a contract. The offer was received February 21 by OCWD and OCTA is offering $3,880 as an incentive to enter into a timely agreement by April 21, in addition to the compensation of $19,400, a total amount of $23,280.

As part of the Project and specified in the Right-of-Way Contract, the existing underground well vault and all associated equipment, both above and below ground and the remaining portion of the chain link fence will be protected in place. Furthermore, the Southern California Edison (SCE) transformer, supporting concrete pad, and electrical meter cabinet will be relocated at the expense of the Project by OCTA. OCTA will provide the District with reasonable notice and obtain the District's approval of the new location prior to relocating the transformer, pad and cabinet.

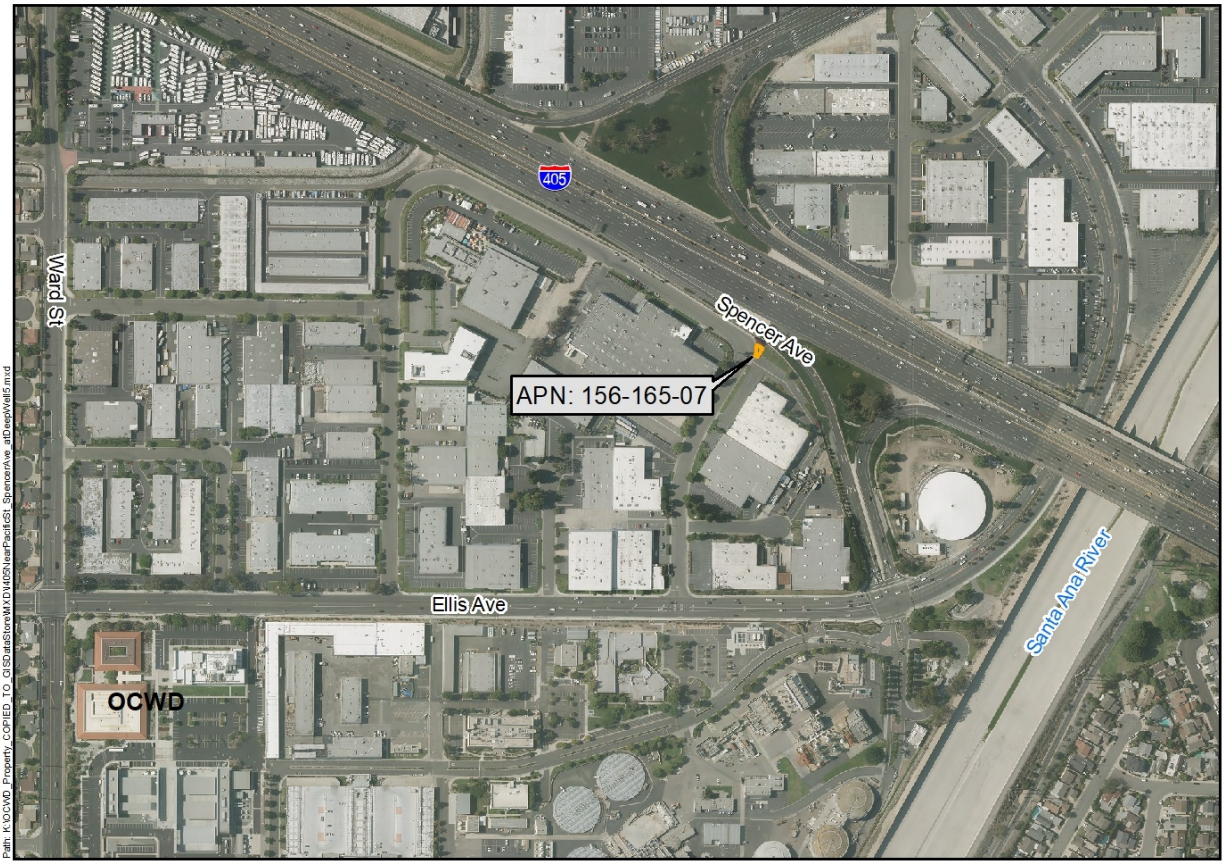
The potential acquisition has been reviewed by Engineering and Operational staff, and there is no conflict in selling the Property Interests to OCTA as long as the well vault and all associated equipment are protected in place and the electrical transformer, pad and cabinet are relocated by OCTA, all as described in their Right-of-Way Contract.

Staff recommends approval of the OCTA Right-Of-Way Contract, Grant Deed, and Temporary Construction Easement for the East side of Pacific Street at Spencer Avenue.

PRIOR RELEVANT BOARD ACTION(S)

3/15/17, R17-3-30, Authorize Utility Agreement No. UK214654 with OCTA for relocation of District Utility Facilities during the Caltrans I-405 Improvement Project

LOCATION MAP



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Property Management Committee meeting held March 23, 2018

GENTRY GOLF, INC. D.B.A THE ISLANDS GOLF CENTER AT BURRIS BASIN
REQUEST TO RENEW LEASE

Committee Recommendation:

Direct staff to negotiate a one year lease extension with Gentry Golf, Inc. to commence when current lease expires.

AGENDA ITEM SUBMITTAL

Meeting Date: March 23, 2018

To: Property Management Committee
Board of Directors

From: Mike Markus

Staff Contact: B. Dosier/C. Leinart

Budgeted: N/A
Budgeted Amount: N/A
Revenue Estimate: $101,208 Annually
Funding Source: N/A
Program/ Line Item No. N/A
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: GENTRY GOLF, INC. D.B.A THE ISLANDS GOLF CENTER AT BURRIS BASIN REQUEST TO RENEW LEASE

SUMMARY

Gentry Golf, Inc., d.b.a. The Islands Golf Center (Gentry Golf) operates a golf driving range concession at Burris Basin, located at 14893 Ball Road, Anaheim. The current lease expires on September 30, 2018. Staff received a letter from Gentry Golf requesting a long-term lease agreement of twenty (20) years, and to allow upgrades to enhance their business and property. Staff is seeking direction from the committee.

Attachment(s): Letter from Gentry Golf requesting long term lease agreement

RECOMMENDATION

Direct staff as appropriate

BACKGROUND/ANALYSIS

Gentry Golf operates a golf driving range concession at Burris Basin, located at 14893 Ball Road, Anaheim. The District entered into a lease agreement with Gentry Golf December 1991, and an amended and reinstated lease agreement August 2008. The current lease expires on September 30, 2018.

The District received a letter from Gentry Golf on October 13, 2017 notifying the District of Gentry Golf's interest in entering into a new long-term lease agreement of twenty (20) years. At the October 27 Property Committee Meeting, staff was directed to determine buildable acreage at the basin for potential alternative tenants. The current Gentry Golf lease premises is approximately 20 acres, 10.33 acres of which consists of water and 9.25 acres consists of land. On November 9, staff met with City of Anaheim staff to review the property for a potential City educational facility, however City staff advised at the time that the City did not have funding to match the current rent being paid by Gentry Golf.

Upon staff's review of the property boundaries, staff noted that the current Gentry lease premises include approximately 1.3 acres of land that is owned by Caltrans. On February 7, 2018, the Board of Directors approved execution of a short-term lease with Caltrans while an approach to permanently acquiring the land is developed with Caltrans.

Gentry Golf is requesting to continue operations at the lease site. On September 21, 2017, and March 16, 2018 staff met with Mr. Damoi Park, President of Gentry Golf to discuss the terms of their current lease. Mr. Park has repeatedly expressed interest in entering into a long-term lease, and to allow upgrades to enhance their business and property. Gentry Golf is aware that the District is currently working with Caltrans to potentially acquire the 1.3-acre Caltrans property.

The current monthly rent is $8,434, with an annual Consumer Price Index (CPI) rent adjustment on October 1 of each year. Gentry Golf is in full compliance with the terms and conditions of their lease and the rent has been paid on time. Staff is looking for direction from the committee.

PRIOR RELEVANT BOARD ACTION(S)

3/7/18, R18-3-XX, Authorized issuance of Amendment One to Lease Agreement with Gentry Golf, Inc., providing additional General Liability insurance coverage, and consent to a Sublease with DH and LO, Inc. d.b.a. Olympus Golf Pro and Gentry Golf, Inc.

2/7/18, R18-2-9, Execution of a temporary month-to-month lease agreement with Caltrans for use of the property while staff continues to negotiate a short-term lease with Caltrans for the continued use of the 1.3 acres; and issuance of a Purchase Order to Fidelity National Title for a preliminary title report on such land; and issuance of a work order in an amount not to exceed $6,000 to Paragon Partners for the appraisal of the 1.3-acre property;

3/16/16, M16-41, Discussion of the request for rent relief for the Islands Golf Center deferred for 60 days to allow The Islands Golf Center to prepare requested documentation

4/3/13, R13-4-28, Approving Gentry Golf Consent to Sublease to S & W Golf;

4/3/13, R13-4-29, Approving Gentry Golf Consent to Sublease to Golf for Life Skills;

9/7/11, R11-9-124, Approving Gentry Golf Consent to Sublease to Golf on the Edge at Burris Basin;

7/20/11, R11-07-112, Approve Consent to Sublease with Gentry Golf d.b.a. The Islands Golf Center to sublease to Golf on the Edge, for a term of 5 days;

8/6/08, R08-8-107, Authorizing amended and restated lease agreement with Gentry Golf, Inc. d.b.a. The Island Golf Center at Burris Basin;

10/20/04, R04-10-128, Consent to Sublease to Worldwide Golf Enterprises, Inc. d.b.a. Roger Dunn Golf Shop for operation of a golf pro shop;

08/06/08, R08-08-107, Approved and Authorized Execution of Lease to Gentry Golf, Inc. d.b.a. The Island Golf Center for Golf Facility at Burris Pit;

9/17/03, R03-9-139, Authorized Amendment Five to Lease to extend the Expiration Date of Lease to October 22, 2003;

10/15/03, R03-10-150, Approve and authorize Amendment Six to Lease to Extend the term of the Lease to September 30. 2008, a new option to extend the lease for 5 years, change the percentage rent to 12% of Gross Receipts for 2 years with a 1% increase in the percentage rent thereafter, Minimum rent set at $6,000/mo. and after two years increase it by equal amounts to $7,000/mo. and other minor changes;

7/21/99, M99-135, Approve Waiver of Rent at the Island Golf Center for One Evening for the Anaheim Fire Department Swift Water Rescue Team Water Rescue Demonstration;

4/21/99, R99-4-50, Approving and Authorizing Execution of Consent to Sublease by Gentry Golf of the Islands Golf Center to David Graf for Operation of Restaurant/Bar;

4/16/97, R97-4-55, Approving and Authorizing Amendment Four to Gentry Golf, Inc. Lease for Burris Pit Golf Concession;

3/19/97, R97-3-39, Approving and Authorizing Execution of Gentry Golf, Inc. Consent to Assignment of Lease and Consent to Subleases;

3/19/97, R97-3-39A, Consent to Assignment of 50% interest in Gentry Golf, Inc. to Peacock Trading, LTD, a Hong Kong corporation

1/15/97, R97-1-7, Instructing Staff to Issue Notices to Gentry Golf to Pay Delinquent Rent and Cure Lease Violations;

4/20/94, R94-4-65, Approving and Authorizing Execution of Amendment Three to Gentry Golf Lease at Burris Pit adds rent for Chipping Green and sets pro shop rent at $2,000 per month;

1/19/94, R94-1-8, Provides for Issuance of License Agreements;

7/7/93, R93-7-120, Receiving and Filing Affidavit of Publication of Notice Inviting bids and rejecting all bids for Contract No. SAR -93-2, Islands Golf Center Site Improvements; and Approving and Authorizing execution of Amendment No. 2 to Gentry Golf, Inc. Lease providing for Purchase Lease Back Agreement;

2/17/93, R93-2-27, Approved and Authorized Execution of Amendment One to Gentry Golf Lease and transfer of funds;

12/18/91, R91-12-284, Approved and Authorized Execution of Lease to Gentry Golf, Inc. for Golf Facility at Burris Pit.

Location Map

Backup materials for Committee items are available in the Committee packet.
Materials distributed at Committee meetings are attached hereto

AGENDA ITEM SUBMITTAL

Meeting Date: March 23, 2018

To: Property Management Committee
Board of Directors

From: Mike Markus

Staff Contact: B. Dosier/C. Leinart

Budgeted: N/A
Budget Amount: N/A
Revenue Estimate: N/A
Funding Source: N/A
Program/Line Item No. N/A
General Counsel Approval: N/A
Engineers/Feasibility Report Approved: N/A
CEQA Compliance: N/A

SUBJECT: CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) PROPERTY AT BURRIS BASIN AND GENTRY GOLF, INC. D.B.A. THE ISLANDS CENTER LEASEHOLD

SUMMARY

Gentry Golf, Inc., d.b.a. The Islands Golf Center (Gentry Golf) operates a golf driving range at the southerly portion of Burris Basin, located at 14893 Ball Road, Anaheim. The lease premises includes approximately 1.3 acres of land owned by California Department of Transportation (Caltrans) that was previously believed to be owned by the District. Staff is recommending initiating the Caltrans "decertification" process for Caltrans studying the option of selling the 1.3 acres and approving an initial deposit of $35,000 to Caltrans to initiate the decertification process.

Attachment(s):

- Aerial Depiction of Caltrans 1.3 Acres at Burris Basin
- Caltrans letter dated November 13 regarding Decertification Inquiry
- Appraisal Report – Burris Water Basin-Island Golf Driving Range Remnant Caltrans Land Parcel

RECOMMENDATION

Agendize for April 4 Board meeting:

RECOMMENDED BY COMMITTEE

1) Authorize the General Manager to transmit a letter to Caltrans initiating the "decertification" process for studying the option of selling the 1.3 acres at Burris Basin; and

2) Approve an initial deposit of $35,000 to Caltrans to initiate the decertification process; and

3) Approve additional funds of $10,000 for additional professional services, if required for the decertification process

BACKGROUND/ANALYSIS

Gentry Golf operates a golf driving range at the southerly basin at Burris Basin, located at 14893 Ball Road, Anaheim. The District entered into a lease agreement with Gentry Golf December

1991, and an amended and restated lease agreement August 2008. The Lease terminates on September 30, 2018 and Gentry has requested to enter into a new long-term lease agreement of twenty (20) years.

In reviewing the property boundaries utilizing the District's Geographical Information System (GIS) and the County of Orange Assessor Parcel Maps, staff noted that the current Gentry lease premises and a portion of land extending into the District's southerly portion of Burris Basin include approximately 1.3 acres of land that is owned by Caltrans. The 1.3 acres lies westerly of a small portion of Ball Road and along the north-bound on-ramp at Ball Road of State Route 57 (SR-57) or the "Orange Freeway". The property is delineated from the on-ramp with a fence that has long been assumed to be the boundary between District and Caltrans land.

Staff discussed the property boundaries with Caltrans staff who confirmed that their records indicated the land belonged to Caltrans. Caltrans provided a letter dated November 13, 2017 in which Caltrans advises that if the District is interested in acquiring the property that it may formerly request that Caltrans review the property for "decertification" and to start the decertification process will require an initial deposit by the District of $35,000 payable to Caltrans. Caltrans' costs incurred in the decertification process are charged against the deposit.

Caltrans is required to offer property of notable environmental value and that qualifies for park or recreational use to local agencies before offering the property to the general public. If the property has access to a public street, it will be offered via competitive bid to the general public. If it does not have access to a public street, it will be offered to the adjoining property owners. Therefore, there is no guarantee that after decertification that the District would become the property owner. However, Caltrans staff has indicated upon initial discussion that this property does not have street access and would likely sell it to the District if decertified. Further, Caltrans advises that the process can take from 6 months to several years.

At the February 7 Board Meeting, the Board approved staff to request a preliminary title report to document ownership of the land and an appraisal of the 1.3-acre property. On March 6, staff received the appraisal report, determining the value of the 1.3 acres with an estimated cost of $140,000.

OCWD has entered into a month-to-month lease with Caltrans, commencing February 1 and expiring July 31, with a monthly rental rate of $736.00 while an approach to permanently acquiring the land is developed with Caltrans.

Because OCWD does not own the 1.3 acres and the land is a part of the District's water basin, staff is recommending moving forward with the Caltrans decertification process for the 1.3 acre property and approve an initial deposit to Caltrans in an amount not to exceed $35,000 for the decertification process.

PRIOR RELEVANT BOARD ACTION(S)

3/7/18, R18-3-XX, Authorized issuance of Amendment One to Lease Agreement with Gentry Golf, Inc., providing additional General Liability insurance coverage, and consent to a Sublease with DH and LO, Inc. d.b.a. Olympus Golf Pro and Gentry Golf, Inc.

2/7/18, R18-2-9, Execution of a temporary month-to-month lease agreement with Caltrans for use of the property while staff continues to negotiate a short-term lease with Caltrans for the continued use of the 1.3 acres; and issuance of a Purchase Order to Fidelity National Title for a

preliminary title report on such land; and issuance of a work order in an amount not to exceed $6,000 to Paragon Partners for the appraisal of the 1.3-acre property;

3/16/16, M16-41, Discussion of the request for rent relief for the Islands Golf Center deferred for 60 days to allow The Islands Golf Center to prepare requested documentation

4/3/13, R13-4-28, Approving Gentry Golf Consent to Sublease to S & W Golf;

4/3/13, R13-4-29, Approving Gentry Golf Consent to Sublease to Golf for Life Skills;

9/7/11, R11-9-124, Approving Gentry Golf Consent to Sublease to Golf on the Edge at Burris Basin;

7/20/11, R11-07-112, Approve Consent to Sublease with Gentry Golf d.b.a. The Islands Golf Center to sublease to Golf on the Edge, for a term of 5 days;

8/6/08, R08-8-107, Authorizing amended and restated lease agreement with Gentry Golf, Inc. d.b.a. The Island Golf Center at Burris Basin;

10/20/04, R04-10-128, Consent to Sublease to Worldwide Golf Enterprises, Inc. d.b.a. Roger Dunn Golf Shop for operation of a golf pro shop;

08/06/08, R08-08-107, Approved and Authorized Execution of Lease to Gentry Golf, Inc. d.b.a. The Island Golf Center for Golf Facility at Burris Pit;

9/17/03, R03-9-139, Authorized Amendment Five to Lease to extend the Expiration Date of Lease to October 22, 2003;

10/15/03, R03-10-150, Approve and authorize Amendment Six to Lease to Extend the term of the Lease to September 30. 2008, a new option to extend the lease for 5 years, change the percentage rent to 12% of Gross Receipts for 2 years with a 1% increase in the percentage rent thereafter, Minimum rent set at $6,000/mo. and after two years increase it by equal amounts to $7,000/mo. and other minor changes;

7/21/99, M99-135, Approve Waiver of Rent at the Island Golf Center for One Evening for the Anaheim Fire Department Swift Water Rescue Team Water Rescue Demonstration;

4/21/99, R99-4-50, Approving and Authorizing Execution of Consent to Sublease by Gentry Golf of the Islands Golf Center to David Graf for Operation of Restaurant/Bar;

4/16/97, R97-4-55, Approving and Authorizing Amendment Four to Gentry Golf, Inc. Lease for Burris Pit Golf Concession;

3/19/97, R97-3-39, Approving and Authorizing Execution of Gentry Golf, Inc. Consent to Assignment of Lease and Consent to Subleases;

3/19/97, R97-3-39A, Consent to Assignment of 50% interest in Gentry Golf, Inc. to Peacock Trading, LTD, a Hong Kong corporation

1/15/97, R97-1-7, Instructing Staff to Issue Notices to Gentry Golf to Pay Delinquent Rent and Cure Lease Violations;

4/20/94, R94-4-65, Approving and Authorizing Execution of Amendment Three to Gentry Golf Lease at Burris Pit adds rent for Chipping Green and sets pro shop rent at $2,000 per month;

1/19/94, R94-1-8, Provides for Issuance of License Agreements;

7/7/93, R93-7-120, Receiving and Filing Affidavit of Publication of Notice Inviting bids and rejecting all bids for Contract No. SAR -93-2, Islands Golf Center Site Improvements; and Approving and Authorizing execution of Amendment No. 2 to Gentry Golf, Inc. Lease providing for Purchase Lease Back Agreement;

2/17/93, R93-2-27, Approved and Authorized Execution of Amendment One to Gentry Golf Lease and transfer of funds;

12/18/91, R91-12-284, Approved and Authorized Execution of Lease to Gentry Golf, Inc. for Golf Facility at Burris Pit.

Location Map

Property Management Committee meeting held March 23, 2018

STATUS UPDATE ON THE GENERAL PLAN AND ZONE CHANGE FOR THE BALL ROAD BASIN PROPERTY

Committee Recommendation:

Approve and authorize execution of agreement with Sagecrest Planning+Environmental for Land Entitlement and Government Relations Services to manage the entitlement process of Ball Road Basin for a fee not to exceed $5,000.

AGENDA ITEM SUBMITTAL

Meeting Date: March 23, 2018

To: Property Management Cte/ Board of Directors

From: Mike Markus

Staff Contact: B. Dosier/C. Leinart

Budgeted: No
Budget Amount: N/A
Cost Estimate: $26,000
Funding Source: N/A
Program/Line Item No.: N/A
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: STATUS UPDATE ON THE GENERAL PLAN AND ZONE CHANGE FOR THE BALL ROAD BASIN PROPERTY

SUMMARY

The District has been processing a change to the General Plan and Zoning for the Ball Road Basin (BRB) property from Open Space/Transitional to General Commercial with the City of Anaheim (City). The Draft Environmental Impact Report has been reviewed and finalized by both OCWD and City staffs. Per the City Planning Department, to move forward with the General Plan Amendment and Zone Change, OCWD will need to submit a Development Application. Staff is requesting assistance from Sagecrest Planning+Environmental (formerly Environmental Advisors LLC) for Land Entitlement and Government Relations Services.

RECOMMENDATION

Agendize for April 4 Board meeting: Approve and authorize execution of agreement with Sagecrest Planning+Environmental for Land Entitlement and Government Relations Services to manage the entitlement process of Ball Road Basin for a fee not to exceed $26,000

DISCUSSION/ANALYSIS

In 2007, the Board authorized staff to begin the process to change the General Plan and Zoning of the Ball Road Basin property from Open Space/Transitional to General Commercial. A Conceptual Development Review application was submitted by the District to the City for a General Plan Amendment and Zone Change (GPA/ZC) and updated in April 2011.

As part of the process, an Environmental Impact Report (EIR) is being prepared by Environmental Advisors, LLC. The First Screen Check Draft EIR (DEIR) developed by Environmental Advisors was reviewed by District and City staffs and the City's independent environmental consultant for peer review. In October 2013, the Second Screen Check DEIR was submitted for District staff review, however the Board suspended efforts on changing the General Plan and Zoning as well as the EIR in 2014 due to the District executing an Option Agreement for a Lease of the Ball Road Basin property with Orange County Energy Park, LLC, a wholly owned subsidiary of Competitive Power Ventures, Inc. (OCEP) for potential use as an electrical generating facility, which was subsequently terminated by OCEP.

On September 2, 2015, the Board directed staff to continue the process to change the General Plan and Zoning. In January 2017, Environmental Advisors completed the second screencheck DEIR incorporating data from a recently updated Traffic Study and District staff comments and provided it to the City for review and comments. The Draft Environmental Impact Report has been reviewed and finalized by both OCWD and City staffs.

Per City Planning Department, because OCWD submitted a Conceptual Development Review application, to move forward with the General Plan Amendment and Zone Change, OCWD will need to submit a Development Application. The Development Application provides more detail than the Conceptual Development Review application.

The Development Application will need to contain the following:

1. Preliminary title report (dated within one year) or a grant deed for the properties that are part of the request
2. Recent digital photographs of the site
3. Site Plan
4. General Plan Amendment Justification Letter
5. Reclassification Justification Letter
6. Draft EIR and all technical studies (PDF and 20 hard copies – appendices may be on a CD attached to the cover)
7. Draft Notice of Completion (NOC)
8. Draft Findings of Fact and Statement of Overriding Considerations pursuant to Section 15090 through 15093 of the CEQA Guidelines.
9. Draft Mitigation Monitoring and Reporting Program pursuant to Section 15097 of the CEQA Guidelines.

Once the City has determined that the application items are complete, the following will need to take place:

1. OCWD via its CEQA consultant will be responsible for filing the NOC with the State Clearinghouse.
2. The City will prepare a Notice of Availability (NOA) for the Draft EIR/Notice of Public Hearing for the DEIR, General Plan Amendment and Zone Change.
3. OCWD via its CEQA consultant will be responsible for filing the NOC and the NOA/Public Hearing Notice with the County Clerk-Recorder, and mailing the NOA/Public Hearing Notice and the Draft EIR to all responsible agencies and interested parties, based upon a list provided by the City.
4. The City will advertise and send the NOA/Public Hearing Notice to property owners and tenants within a 300-foot radius of the project site.
5. 45-day Draft EIR Public Review Period begins.

6. Following the close of the public review period, City will transmit any comments received to OCWD to provide draft responses, packaged as the Final EIR.
7. Final EIR circulated for 10-day public review period.
8. Planning Commission Public Hearing.
9. City Council Public Hearing for the approval of the General Plan Amendment and introduction of an ordinance for the Zone Change.
10. City Council Adoption of Zone Change Ordinance.
11. If approved, City files Notice of Determination.

On November 18, 2015 the Board approved execution of an agreement with Environmental Advisors LLC for Land Entitlement and Government Relations Services to manage the entitlement process for Ball Road Basin, as an extension of staff, through consideration by the City's Planning Commission and City Council for a fee not to exceed $26,000. The scope of work would include: Project Management, City Code Analysis, Government Relations, Entitlement Application, Meetings with City Staff, and Public Hearings. However, since those services were not needed until recently, those funds were not expended and the agreement has not been utilized and has since terminated. Additionally, Environmental Advisors has incorporated as a new firm, Sagecrest Planning+Environmental and the same staff that have provided services at Environmental Advisors are with the new firm.

Staff is recommending execution of an agreement with Sagecrest Planning+Environmental for Land Entitlement and Government Relations Services to manage the entitlement process of Ball Road Basin for a fee not to exceed $26,000.

Summary of Prior Steps Taken:

November 2006	Letter to OCFCD regarding developing the Ball Road Basin property including resolving flood easement on Ball Road Basin
February 2007	Letter from OCFCD requesting evaluation of specific issues including a Hydrology and Hydraulics study prior to conceptual approval of releasing flood easement on Ball Road Basin
July	RFP issued by OCWD Engineering for Hydrology and Hydraulics study of Ball Road Basin and Chantilly Storm Channel
August	Filed General Plan Amendment and Zone change with $22,000 deposit with the City
September	Agreement approved with Boyle Engineering for Hydrology and Hydraulics study of Ball Road Basin and Chantilly Storm Channel
	Received City staff comments regarding the General Plan Amendment and Zone change

October	Staff met with City staff to review City staff's comments regarding the General Plan Amendment and Zone change
January 2008	Staff and Boyle met with OCFCD to discuss the Hydrology and Hydraulics study and OCFCD's requirements for conceptual approval of the levee encroachment and improvements to the Chantilly Storm Drain Extension to the Santa Ana River
February	Meeting with Army Corps of Engineers (Corps) to discuss the Hydrology and Hydraulics study and Corps' requirements for conceptual approval of the levee encroachment and improvements to the Chantilly Storm Drain Extension to the Santa Ana River
March	Letter sent to the Corps by Boyle requesting conceptual approval
April	Letter received from Corps stating conceptual approval
	Staff and Boyle met with OCFCD to discuss the Corps conceptual approval
	Letter sent to OCFCD requesting conceptual approval
August	Letter received from OCFCD stating conceptual approval and would be able to relinquish their easement over the Basin provided that certain criteria, as outlined in the letter, are met
September	Boyle finalized the Hydrology and Hydraulics report
October	Draft Agreement sent to OCFCD
March 2009	Staff received a revised draft Agreement and is reviewing
April	Staff has reviewed the agreement and has requested a meeting with OCFCD to discuss and clarify several items including assignment of the agreement to another party.
May	Staff met with OCFCD staff to discuss and clarify several items including assignment of the agreement to another party.
June	Staff sent revised agreement to OCFCD.
October	Staff discussed changes to agreement with County Counsel.
	Staff advised by OCFCD that they are still reviewing the draft Agreement
April 2010	Staff received a revised draft Agreement and is reviewing
May	Staff reviewing revised draft Agreement
June	Staff submitted comments regarding Guaranty to OCFCD
August	Staff met with OCFCD to discuss Guaranty and potential alternatives
	Staff received a revised draft Agreement and is reviewing

September	Staff reviewing revised draft Agreement
	Staff advised that OCFCD will be providing additional revisions
November	Staff advised that OCFCD is finalizing the revised draft Agreement
December	Staff received revised Agreement from OCFCD
January 2011	Staff reviewed Agreement and provided additional comments to OCFCD
February	Staff met with City staff to determine how to proceed with the GPA/ZC
March	Staff received final draft Agreement from OCFCD
April	Filed an updated application for the GPA/ZC
May	Hired Chamber's Group, Inc. for CEQA Initial Study
August	OCFCD sent signing copies of agreement for OCWD signature
September	Returned signed copies of the agreement to OCFCD for processing.
October	Met with Anaheim Planning and Traffic staff to discuss traffic study requirements in the Initial Study
January 2012	Chambers developing Initial Study (traffic study)
	OCFCD agreement agendized for OC Board of Supervisors approval
February	Chambers continued development of Initial Study (traffic study and air quality report)
March	Chambers continued development of Initial Study (waiting for Anaheim data for traffic study)
April	Traffic and Air studies complete and Chambers has provided a draft Initial Study for staff review
May	Staff reviewing draft Initial Study
July	Final version of Initial Study received from Chambers
	Initial Study provided to City of Anaheim
August	Board authorized issuance of an RFP for preparation of an EIR
	City of Anaheim provided comments on the Initial Study
September	Initial Study revised by District environmental consultant and provided to City

	for additional comments
October	City of Anaheim provided additional comments on the Initial Study
	Initial Study revised by District environmental consultant and provided to City for additional comments
	Issued RFP to select consultant to prepare EIR
November	Received proposals to prepare EIR; review proposals and interview firms
December	Board authorized preparation of an EIR by Environmental Advisors for the Ball Road Basin Property; and Engineering Support services from Adams- Streeter Engineering.
January 2013	Held EIR kickoff meeting with consultants.
February	NOP distributed and 30-day review period started
	Held EIR scoping meeting with City of Anaheim for public comment
March	NOP 30-day review period ended and City has received public comments.
April	Technical studies for EIR prepared
May	Draft technical studies out for review
June	Final technical studies out for review
July	First Screencheck Draft EIR reviewed by staff, City staff and peer review
August	First Screencheck Draft EIR reviewed by staff, City staff and peer review
September	Second Screencheck Draft EIR under development
October	Second Screencheck Draft EIR under review by staff.
	Meeting with City staff regarding use as a Utility under Commercial land use designation
December	Lease Option Agreement executed with Orange County Energy Park, LLC. (OCEP), Competitive Power Ventures, Inc. – “CPV”)
	Second Screencheck Draft EIR under review by staff.
January 2014	Meeting with City of Anaheim to discuss additional EIR requirements.
February	Received NOP for EIR from City of Anaheim for City’s proposed GPA/ZC to Park
March	District sends response letter to NOP

May	District sends letter requesting additional explanation for evaluating park and power plant alternatives
August	District sends letter to City of Anaheim advising it is suspending efforts on GPA/ZC
November	OCEP terminates Lease Option Agreement
January 2015	Meeting with City of Anaheim to discuss City's interest in acquiring Ball Road Basin for park purposes
September	Board directs staff to continue effort with EIR for GPA/ZC
November	Board approval of change order for additional EIR work for the GPA/ZC; and for land entitlement and government relations services; and survey services
March 2016	Board authorizes additional funds for City's peer review.
April	Additional funds approved in March deposited with the City of Anaheim Depositor Trust Fund.
July	Additional funds approved by the Board for new Traffic Study.
October	City authorizes consultant to work on traffic model.
November	Traffic model completed. Transpo Group completes Traffic Study.
December	Environmental Advisors provided screencheck draft EIR to OCWD for review and comment
	OCWD staff provided comments on the screencheck draft EIR to Environmental Advisors
January 2017	Environmental Advisors finalized second screencheck draft EIR
	Environmental Advisors provided second screencheck draft EIR to City of Anaheim for review and comment.
February	Second Screencheck Draft EIR reviewed by City staff and peer review and provided comments
May	Include trail designation around North, East and South sides of Ball Road Basin in the DEIR
	Authorize agreement with Voit to market Ball Road Basin property.
September	Environmental Advisors provided Proof check draft EIR to City of Anaheim for review and comment.
October	Proof check draft EIR reviewed by City staff and peer review and provided

	comments.
December	Environmental Advisors provided updated Proof check draft EIR to City of Anaheim for review and comment.

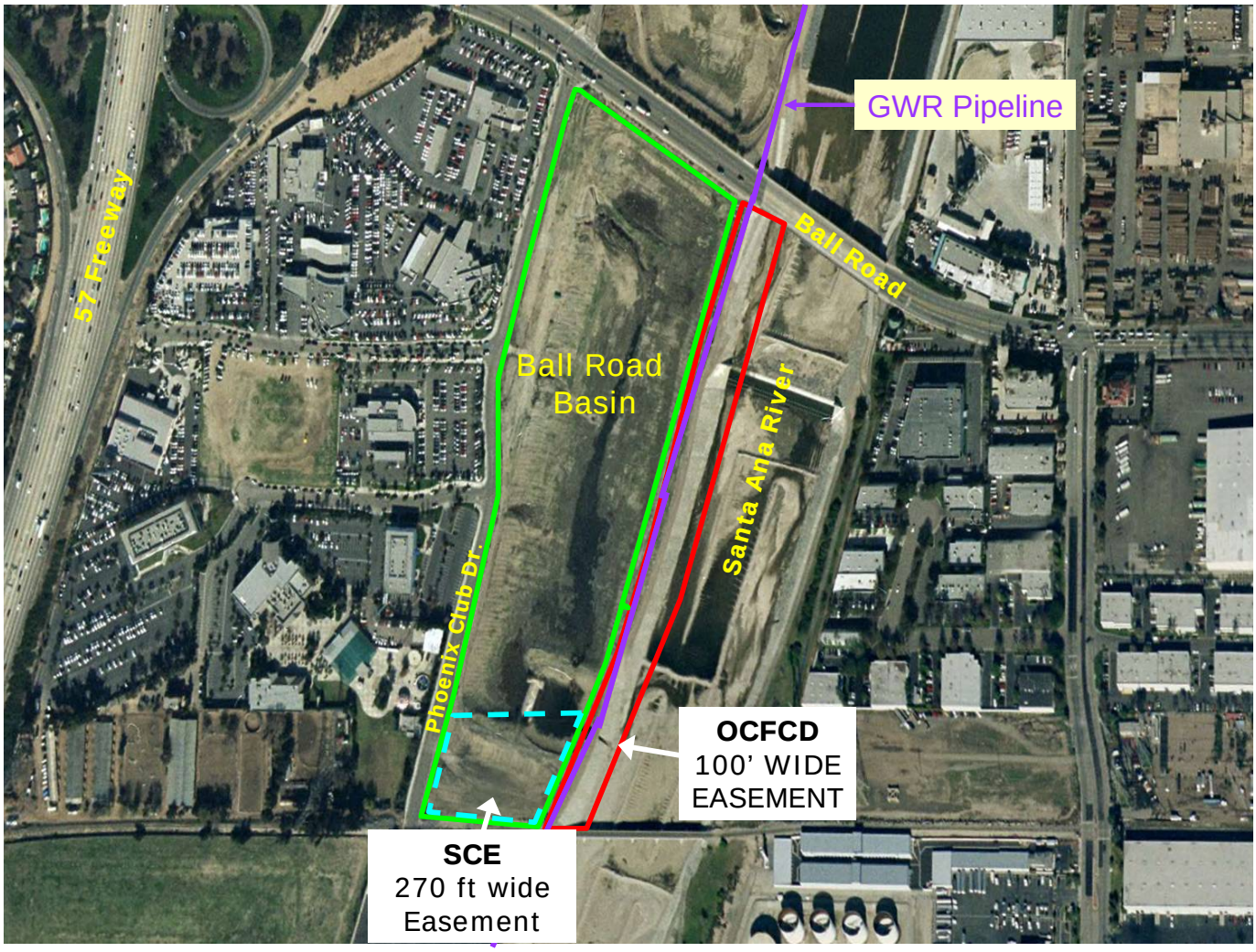
January 2018	Environmental Advisors provided public review draft EIR to the City of Anaheim for print check review.
February	City acknowledged receipt of final draft EIR and ready. To proceed OCWD must file Development Application.

PRIOR BOARD ACTION(S):

05/03/17, M17-67	Include a trail designation around the North, East and South sides of the Ball Road Basin property as a project design feature in the Environmental Impact Report (EIR) for the Ball Road Basin General Plan Amendment and Zone Change; and approve and authorize execution of Professional Services Agreement and Schedule of Commissions with Voit Real Estate Services to represent the District in negotiations to market, lease and/or sell the Ball Road Basin property in Anaheim.
07/06/16, R16-7-90	Authorize execution of a Change Order to Environmental Advisors to exceed $39,100 for additional work on the EIR for Ball Road Basin General Plan Amendment and Zone change; and authorize payment to the City of Anaheim in amount not to exceed $4,000 as an additional deposit of funds for the General Plan Amendment and Zone Change application to cover District costs associated with the updated Traffic Study for the City of Anaheim's Environmental Impact Report peer review process.
03/16/16, Motion 16-42	Authorize payment of $20,000 to the City of Anaheim as an additional deposit of funds to cover District costs for the City of Anaheim's Environmental Impact Report peer review process.
11/18/15, R15-11-170	Authorize issuance of Change Order to Environmental Advisors in the amount of $28,295; and agreement with Environmental Advisors for Services in the amount not to exceed $26,000; and for survey services not to exceed $20,000 for the General Plan and Zone Change for the Ball Road Basin Property located on Ball Road and Phoenix Club Drive, Anaheim.
9/02/15, M15-125	Direct Staff to continue efforts with the EIR in connection with the application with the City of Anaheim for a General Plan Amendment and Zone Change for the Ball Road Basin.
8/06/14, M14-114	Directing staff to transmit a letter to City of Anaheim advising that OCWD is suspending efforts on General Plan Amendment and Zone Change for the Ball Road Basin Property.
12/09/13, R13-12-145	Option Agreement for the lease of real property to Orange County Energy Park, LLC, for proposed gas-fired electric, electrical generation facility on the Ball Road Basin property located on Ball Road and Phoenix club drive in Anaheim; authorizing agreement to sell GWRS water to CPV, and requiring mitigation of traffic impacts.
9/18/2013, R13-9-123	Amendment to Exclusive Due Diligence and Negotiation Agreement with Basin Development, LLC (Competitive Power Ventures, Inc. – "CPV") to allow use of the property as a park by the City of Anaheim so long as it is consistent with the development of the power plant that CPV proposes.

8/21/13-R13-8-110	Six-month Exclusive Due Diligence and Negotiation Agreement with Basin Development, LLC (Competitive Power Ventures, Inc. – “CPV”) for a potential future lease for an Electrical Generation Station.
4/03/13, M13-46	Issue check in the amount of $57,500 to City of Anaheim for additional funds deposit for the General Plan Amendment and Zone Change; for Sewer Study; and for peer review of the Environmental Impact Report
12/19/12, R12-19-145	Issue Work Order to Environmental Advisors to prepare an EIR for an amount not to exceed $185,921; and an Agreement with Adams-Streeter for engineering support services in the amount of $24,700
9/07/11, M11-144	Issue Work Order to Chambers Group for an amount not to exceed $21,000 to prepare traffic and air quality studies
3/02/11, M11-41	Direct staff to hire a consultant to prepare initial study and determine appropriate CEQA documentation (resulted in hiring Chambers Group for the amount of $32,611)
2/02/11, R11-2-12	General Manager to finalize and execute the Chantilly Storm Channel Agreement with Orange County Public Works Department- Flood Control Division
9/05/07, R07-9-118	Professional Services Agreement to Boyle Engineering Corporation for an amount not to exceed $47,233 for the Ball Road Basin Hydrology and Hydraulics Study
8/15/07, M07-111	General Plan Amendment and Zone Change Application with City of Anaheim for Ball Road Basin and issuance of a check in the amount of $22,000 to City of Anaheim for the application deposit.
7/18/07, M07-103	Issue RFP for Hydrology and hydraulics Study of Ball Road Basin
5/02/07, M07-71	Direct staff to investigate approach for clearing entitlements from Ball Road Basin property
10/18/06, M06-131	Determine Ball Road Basin not suitable for surface recharge, or storage; and retaining a portion of the basin for potential injection well recharge using GWR

Location Map



Backup materials for Committee items are available in the Committee packet.
Materials distributed at Committee meetings are attached hereto

AGENDA ITEM SUBMITTAL

Meeting Date: March 27, 2018

To: Retirement Committee
Board of Directors

From: Mike Markus

Staff Contact: S. Dosier

Budgeted: N/A
Budgeted Amount: N/A
Cost Estimate: N/A
Funding Source: N/A
Program/ Line Item No. N/A

General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: RETIREMENT COMMITTEE "EMPLOYEE" VACANCY APPOINTMENTS

SUMMARY

In August of 2010, the Board approved the procedures for replacement of "employee" vacancies on the Retirement Committee. The sitting members of the Retirement Committee serve a two-year term (expiring in alternating years). The alternate members serve a one-year term.

The Employee Advisory Committee (EAC) met recently to consider appointments to the Retirement Committee. Staff is recommending approval of the EAC's appointments.

RECOMMENDATION

RECOMMENDED BY COMMITTEE

Agendize for April 4 Board meeting: Approve the appointments of the following employees on the Retirement Committee:

1) Sitting Member – Vishav Sharma (appointed for a two year term);

2) First Alternate – Dave Bolin (re-appointed for a another one year term); and

3) Second Alternate – Kevin O'Toole (appointed for a one year term)

REVISED
AGENDA ITEM SUBMITTAL

Meeting Date: April 4, 2018

To: Board of Directors

From: Mike Markus

Staff Contact: S. Scott-Roberts/D. Bott

Budgeted: Yes
Budgeted Amount: $921,300
Cost Estimate: $921,300
Funding Source: CIP, WIFIA
Program/Line Item No.: GWRSFE
General Counsel Approval: Yes
Project Report Approved: Yes
CEQA Compliance: Yes

Subject: ISSUANCE OF AMENDMENT NO. 1 TO BLACK & VEATCH FOR THE DESIGN OF THE GWRS FINAL EXPANSION PROJECT IN AN AMOUNT NOT TO EXCEED $921,300 AND ADOPT ENVIRONMENTAL DOCUMENTATION FOR REVISION TO OCSD PLANT 2 GWRS FACILITIES

SUMMARY

The GWRS Final Expansion Preliminary Design Report (30% design) has been submitted by Black & Veatch (B&V) and reviewed by OCWD staff. The PDR documents various design recommendations based on completed B&V evaluations. These PDR recommendations will provide benefits to OCWD however the design work associated with them are out-of-scope items not originally contemplated in the original B&V contract. Therefore, staff is recommending to issue amendment no. 1 to B&V for these out-of-scope design items. The necessary environmental document to support the GWRS Final Expansion is also ready for consideration.

Attachments:
Presentation
Resolution
B&V Amendment No. 1 Proposal
Final Initial Study/Mitigated Negative Declaration

RECOMMENDATION

Approve the attached resolution, which includes the following actions:

1. Adopt the Final Mitigated Negative Declaration for the Orange County Water District Groundwater Replenishment System Water Conveyance Facilities Project;
2. Approve the revised locations for the facilities at Orange County Sanitation District Plant No. 2 as presented in the Final Initial Study/Mitigated Negative Declaration;
3. Authorize issuance of Amendment No. 1 to Agreement No. 1248 with Black & Veatch for design phase services for the GWRS Final Expansion Project for an amount not to exceed $921,300;

4. Authorize filing of the Notice of Determination for Final Mitigated Negative Declaration Groundwater Replenishment Final Expansion Water Conveyance Facilities Project

~~1) Authorize issuance of Amendment No. 1 to Agreement No. 1248 with Black & Veatch for design phase services for the GWRS Final Expansion Project for an amount not to exceed $921,300;~~

~~2) Adopt the Final Mitigated Negative Declaration for Groundwater Replenishment System Final Expansion Water Conveyance Facilities Project; and~~

~~3) Authorize filing of the Notice of Determination for Final Mitigated Negative Declaration Groundwater Replenishment Final Expansion Water Conveyance Facilities Project~~

DISCUSSION/ANALYSIS

The current GWRS facility has capacity to produce 100 MGD of purified water. GWRS currently receives all of its influent water from OCSD Reclamation Plant No. 1 (Plant 1) in Fountain Valley directly adjacent to GWRS. The GWRS facility was originally designed to accommodate a final expansion that would increase the treatment capacity to 130 MGD of purified water. This expansion is referred to as the GWRS Final Expansion Project (GWRSFE).

In order to produce 130 MGD of purified water through the GWRS treatment facility, sufficient secondary effluent from OCSD is required for source water. This secondary effluent source water for GWRS must be received from OCSD's Treatment Plant 2 (Plant 2). OCSD's Plant 2 facility is located in the City of Huntington Beach, approximately 4 miles from the GWRS facility. Therefore, in addition to expanding the GWRS treatment facility from 100 MGD to 130 MGD production capacity, conveyance facilities must be constructed to deliver the additional secondary effluent required for the GWRSFE Project. Figure 1 below shows the proposed conveyance facilities of the secondary effluent from OCSD's Plant 2 facility.

Figure 1 – OCSD Plant 2 Secondary Effluent Conveyance to GWRS

The Plant 2 secondary effluent pump station will be a new facility located adjacent to the OCSD digesters at Plant 2. The secondary effluent conveyance pipeline will be constructed within an existing 66-inch Reinforced Concrete Pipe (RCP) owned by OCSD. The 66-inch RCP is currently not being used by OCSD and is being proposed to be slip-lined with a new pipeline of smaller diameter for pressurized conveyance of the secondary effluent from Plant 2 to GWRS.

In addition to raw wastewater, OCSD's Plant 2 facility receives water from the Santa Ana Regional Interceptor (SARI) pipeline. The flows within the SARI pipeline are made up of comingled raw wastewater, desalter brine wastes, concentrated waste streams, and effluent from the Stringfellow Hazardous Waste site in Riverside County. These flows are currently not allowed to be used as source water for recycling through the AWTF by the Regional Water Quality Control Board permit to operate GWRS.

Since these SARI flows are currently not allowed to be recycled through GWRS, they will have to be segregated and treated separately from the other raw wastewater trunk sewer flows that flow into Plant 2. This SARI segregation involves the construction of a bypass pipeline and separate headworks facility for the SARI flows. Once the SARI flows are segregated through the new headworks facility – the SARI flows will continue

to be treated separately through the existing OCSD Plant 2 Pure Oxygen Activated Sludge (POAS) treatment train. The SARI flows will be treated separately through this POAS treatment facility and discharged through the OCSD's Ocean Outfall.

OCSD's Plant 2 facility has a second treatment train, referred to as the Trickling Filter/Solids Contact (TF/SC) facility. This facility is being proposed to take all the raw wastewater that currently flows to Plant 2 and treat these flows for recycling through GWRS. The TF/SC effluent flows will be conveyed in a pump station and pipeline to GWRS as the additional source water required for the GWRSFE Project.

Similar to the Secondary Effluent Flow Equalization (SEFE) Tanks as part of the existing GWRS facility, the GWRS Final Expansion Projects will include a flow equalization tank at OCSD Plant 2. The flow equalization tank at Plant 2 would operate similar to the SEFE tanks for GWRS, where OCSD peak flows would be captured during the day and sent to GWRS at night for increased overall production.

Therefore, the following are all the projects that will be required to produce 130 MGD of purified water through GWRS Final Expansion:

Advanced Water Treatment Facility (AWTF) Expansion Project
Plant 2 Effluent Pump Station Project
Plant 2 Flow Equalization Tank Project
Pipeline Rehabilitation Project
Plant 2 Headworks Modification Project

The design of the GWRSFE Project was awarded to Black & Veatch (B&V) on July 19, 2017. B&V began the design phase by completing the following predesign evaluation memos:

- Evaluation Memo 1 – Predicted Influent Water Quality
- Evaluation Memo 2 – Treatment Process Evaluation
- Evaluation Memo 3 – Microfiltration Membranes

These evaluation memos required the consultant to evaluate the predicted influent water quality for GWRS once the GWRSFE conveyance projects have been implemented and ensure the adequacy of the current GWRS treatment processes.

The GWRSFE Project will require 170 MGD of influent to make 130 MGD product water and the most likely ratio of influents from Plant 1 and Plant 2 will be 120 MGD and 50 MGD respectively. With this Plant 2 influent, the predicted influent water quality for GWRSFE will most likely have higher Total Dissolved Solids (TDS) or salts, higher ammonia, and higher turbidity.

B&V evaluated the current treatment processes (MF, RO, UV, & Post Treatment) based on this predicted influent water quality and ran models to determine the predicted treatments through the advanced water purification facility. The evaluation memos concluded that the current GWRS Evoqua polypropylene (PP) MF membranes will not be able to produce 130 MGD with the 12 new proposed MF cells as part of the GWRSFE project.

The OCWD R&D department pilot tested various alternative MF membranes on Plant 1 and Plant 2 effluent. The MF membranes that performed well with Plant 2 effluent were Polyvinylidene fluoride (PVDF) ultrafiltration (UF) membranes. The material of the PVDF membranes generally has higher resistance to chlorine, higher mechanical strength and higher flux capabilities than the PP membranes. Evoqua, Scinor, and Toray are all PVDF membrane manufacturers that the OCWD R&D department pilot tested with the new water from Plant No. 2. Based on these initial pilot study results and the B&V evaluations, the Scinor membranes were concluded to be able to produce the most additional water with the GWRSFE predicted influent water quality at the lowest cost. Staff recommends that B&V design the 12 new MF membrane cells for Scinor membranes. This is design work that was not described in the RFP for the design phase of the GWRSFE project. Therefore, B&V is requesting an amendment in the amount of $174,600 to perform this design work.

The evaluation memos also concluded that the higher TDS in the GWRSFE predicted influent will require modifications to the existing Reverse Osmosis (RO) system. The TDS concentrations are expected to increase by 140% with the new water quality. B&V determined that if a small horsepower pump (i.e. an interstage booster pump) be retrofitted within the existing 15 RO units that the existing RO system would continue to be able to produce water at the current efficiency/recovery of 85%. This retrofit will also slightly decrease OCWD's electricity costs on a per unit basis as compared to the existing system by running a portion of the water through this interstage booster pump and allowing the larger RO feed pump to operate at a lower pressure. The additional design work associated with this change was negotiated in the amount of $368,500.

Table 1 shows the summary of additional design work for B&V that is being recommended to be included within the GWRSFE project design scope. In addition to the MF and RO process design modifications discussed above there are additional design considerations associated with the Plant No. 2 site and incorporating current projects to minimize construction risk.

Table 1 - Summary of Additional Design Scope for B&V Amendment No. 1

Design Item	Cost
MF Membranes Design	$174,600
RO Interstage Booster	$368,500
P2 Pump Station Relocation	$109,200
Seismic Analysis	$166,200
Hazardous Materials Assessment	$52,800
IRWD/GAP/GWRS Intertie	$50,000
TOTAL	**$921,300**

The OCSD Plant 2 site contains primary clarifiers, associated secondary treatment facilities, and OCSD's ocean outfall pump station. During recent construction activity, OCSD discovered that their Plant 2 site has seismic faults running across the site. With OCWD constructing a pump station and flow equalization tanks on the OCSD Plant 2 site, OCSD requested that OCWD complete a seismic analysis of the area where the OCWD facilities are to be located in order to determine if any additional seismic design would need to be incorporated into the final design. This work was not included in the original design scope for B&V for the GWRSFE project. B&V is proposing to hire the geotechnical consultant that previously analyzed the Plant 2 seismic faults for OCSD.

The negotiated fee to complete this out-of-scope work is $166,200 which includes the geotechnical consultant's report and B&V incorporation of the recommendations in the report.

During the initial design phase, B&V recommended that OCWD locate the GWRSFE Plant 2 facilities at the north end of the Plant 2 site for the following reasons:

1. The north area is relatively unused by OCSD and would allow OCWD facilities to be located within a separate area;
2. The north location of the pump station and flow equalization tanks would result in ~2,000 linear feet less of pipeline rehabilitation work and therefore a cost savings for OCWD;
3. The OCWD pump station was initially proposed to be located close to leased land by the OC Sheriff's department and the adjustment of the leased land could have added construction delays to the GWRSFE project.

Staff negotiated with B&V the additional design drawings and reports required to design for locating all the OCWD GWRSFE facilities at the north end of Plant 2 and determined the out-of-scope work for this item is $109,200.

The north end of OCSD Plant 2 site previously contained oil wells. There are a 4-5 abandoned oil wells located on the area where the GWRSFE pump station and flow equalization tanks are proposed to be located. This information was not known at the time of the issuance of the RFP and therefore exploratory geotechnical investigations to determine if the soils on the north end of Plant 2 contain any hazardous materials was requested to be completed by B&V. This out-of-scope work was negotiated with staff to be $52,800 for the geotechnical hazardous report and B&V's design effort based on recommendations from the report.

Within OCWD's fiscal year 2017-2018 capital improvement projects list was the Irvine Ranch Water District (IRWD) and Green Acres Project (GAP) intertie pipeline project. Initial evaluations proposed a 24-inch IRWD/GAP pipeline intertie to connect GAP and therefore allow IRWD recycle water flows during storm season to the GWRS screening facility. The pipeline alignment was planned for the same area as the 54-inch GWRS Final Expansion pipeline alignment which intends to bring Plant 2 flows to GWRS. Since these two pipelines will be constructed within the same area, staff requested a proposal from B&V to add this pipeline alignment within the GWRSFE design to allow for both of these pipelines to be built simultaneously. With this scenario, construction of both pipelines can be done simultaneously and therefore minimize construction disturbances and risks. The additional design work associated with this change was negotiated to be $50,000.

The B&V amendment items discussed above are included within the GWRSFE project budget for engineering services during the design phase. Table 2 below shows the GWRSFE project budget.

Table 2 – GWRS Final Expansion Project Budget

Description	Project Budget	Projected Budget
Pre-Design		

Studies/CEQA for GWRSFE Projects	$1,000,000	$1,000,000
Design		
Design Phase Engineering Services	$9,200,000	
B&V Agreement		$5,663,000
Amendment No. 1		$921,300
OCSD Engineering		$915,700
Engineering Services During Construction	$7,500,000	$7,500,000
Total Design Estimate	$16,700,000	$16,700,000
Construction		
GWRSFE Construction Management & Inspection	$14,600,000	$14,600,000
AWTF Expansion Construction	$94,000,000	$94,000,000
P2 Effluent Pump Station Construction	$10,850,000	$10,850,000
P2 Flow Equalization Tank Construction	$17,100,000	$17,100,000
P2 Pipeline Rehabilitation Construction	$22,400,000	$22,400,000
Engineering, Legal & Administration		
GWRSFE Projects	$10,700,000	$10,700,000
Contingency		
GWRSFE Construction/Project Contingency	$20,750,000	$20,750,000
OCSD Project		
OCSD Headworks Modification Project*	$44,700,000	$44,700,000
TOTAL	**$252,800,000**	**$252,800,000**

Environmental Documentation

WIFIA and SRF funding are being pursued for the GWRSFE project. With these funding possibilities and modifications to the pump station and flow equalization tanks locations, the environmental documentation was required to be revised for the Plant 2 facilities since the proposed facilities were relocated. Therefore, staff prepared updated environmental documentation as part of the GWRSFE project for the facilities at the OCSD Plant 2 site. The updated site plan is shown in Figure 1.

Figure 1- GWRS Conveyance Facility Project Site Plan

To meet the requirements of the California Environmental Quality Act, staff has prepared a Draft Initial Study/Mitigated Negative Declaration (Draft MND) for the Groundwater Replenishment System Water Conveyance Facilities Project with the relocation of the proposed facilities at OCSD Plant 2. The Draft MND evaluates potential short-term construction impacts and long-term operational impacts associated with the implementation of the Project.

The Draft MND was circulated for public review from February 16, 2018 to March 17, 2018. The Draft MND has determined that all potential impacts associated with the Project have been determined to be less than significant or less than significant with the implementation of mitigation measures.

During the public review period, two comment letters and a compliance letter from the California State Clearing House were received on the Draft MND. Table 3 below identifies the commenting agency and a summary of their key comments and OCWD responses. Staff has reviewed the comment letters and has determined that the comments do not raise any new significant impacts that were not evaluated in the Draft MND.

Table 3
Summary of Comments Received on Draft MND

Letter	Sender/Commenter	Key Issues	District Response
A	State Clearinghouse	Project has complied with State Clearinghouse Draft EIR environmental review comments.	No response required.
B	California Department Fish and Wildlife	Proposed revision to Mitigation Measure BIO-1, requiring that pre-construction surveys be prepared not more than 3 days prior to construction rather than 1 week as recommended in the Draft MND	Mitigation Measure BIO-1 has been revised per California Fish and Wildlife recommendation requiring that pre-construction surveys be conducted no more than 3 days before construction. Below is revised mitigation measure. BIO-1: Construction activities should not take place between February 15 and August 15. In the event construction activities ae proposed before the completing of nesting season, a biologist would examine the site no more than three days prior to initiating any activities to ensure that all nesting has completed.

Table 3 Summary of Comments Received on Draft MND			
Letter	**Sender/Commenter**	**Key Issues**	**District Response**
			Ground nesting species would also be taken into account.
C	Orange County Public Works	Mitigation Measures GEO-2 and HWQ-1 not identified in Draft MND	Both mitigation measure are included and defined in the Draft MND. Mitigation Measure GEO-2 is identified in the Geology Section under Impact B on Page 4-16 and is defined below. GEO-2: Prior to the start of construction OCWD will file a Notice of Intent (NOI) with the State Water Resources Control Board and prepare and implement Storm Water Pollution Prevention Plan to minimize potential erosion impacts. Mitigation Measure HWQ-1 is identified in the Hydrology Section under Impact D on Page 4-81 and is defined below. HWQ-1: OCWD will coordinate with OCSD on the capacity of existing drainage systems to receive surface water runoff generated from the proposed project and would participate in any drainage improvements required accommodate the surface water runoff flows.
	Orange County Public Works	Recommended that Final MND evaluate past underground storage leaks on property.	Page 4-71 of Draft MND identifies that a database search of hazardous materials sites was performed and identified two closed leaking underground storage tanks on OCSD Plant No. 2. Both sites were determined to not pose significant risks to human health or the environment.

In accordance with Section 15132 of the CEQA Guidelines, staff has prepared the Final MND for the Groundwater Replenishment Final Expansion Water Conveyance Facilities Project, which includes the Draft MND, comments received on the Draft MND, OCWD responses to comments on the Draft MND and the Project Mitigation Monitoring Program.

At this time, OCWD has complied with all CEQA requirements and staff recommends the Board adopt the Final Mitigated Negative Declaration.

PRIOR BOARD/COMMITTEE ACTIONS

09/21/2016 - Adopt resolution establishing the GWRS Final Expansion Project which includes the following actions: Adopt findings with respect to the California Environmental Quality Act; Determine project feasible and necessary and of general benefit to the lands in the District and deem project duly instituted; Approve the GWRS Final Expansion Engineer's Report and project budget; and Authorize filing of Notice of Determination

02/15/17 - Authorize issuance of a Request for Proposal for design phase services for the GWRS Final Expansion Project

07/19/17 - Authorize issuance of agreement with Black & Veatch for an amount not to exceed $5,663,000 for the design of the GWRS Final Expansion Project

ORANGE COUNTY WATER DISTRICT

Groundwater Replenishment System Final Expansion Project

Board of Directors Meeting

April 4, 2018

ORANGE COUNTY WATER DISTRICT

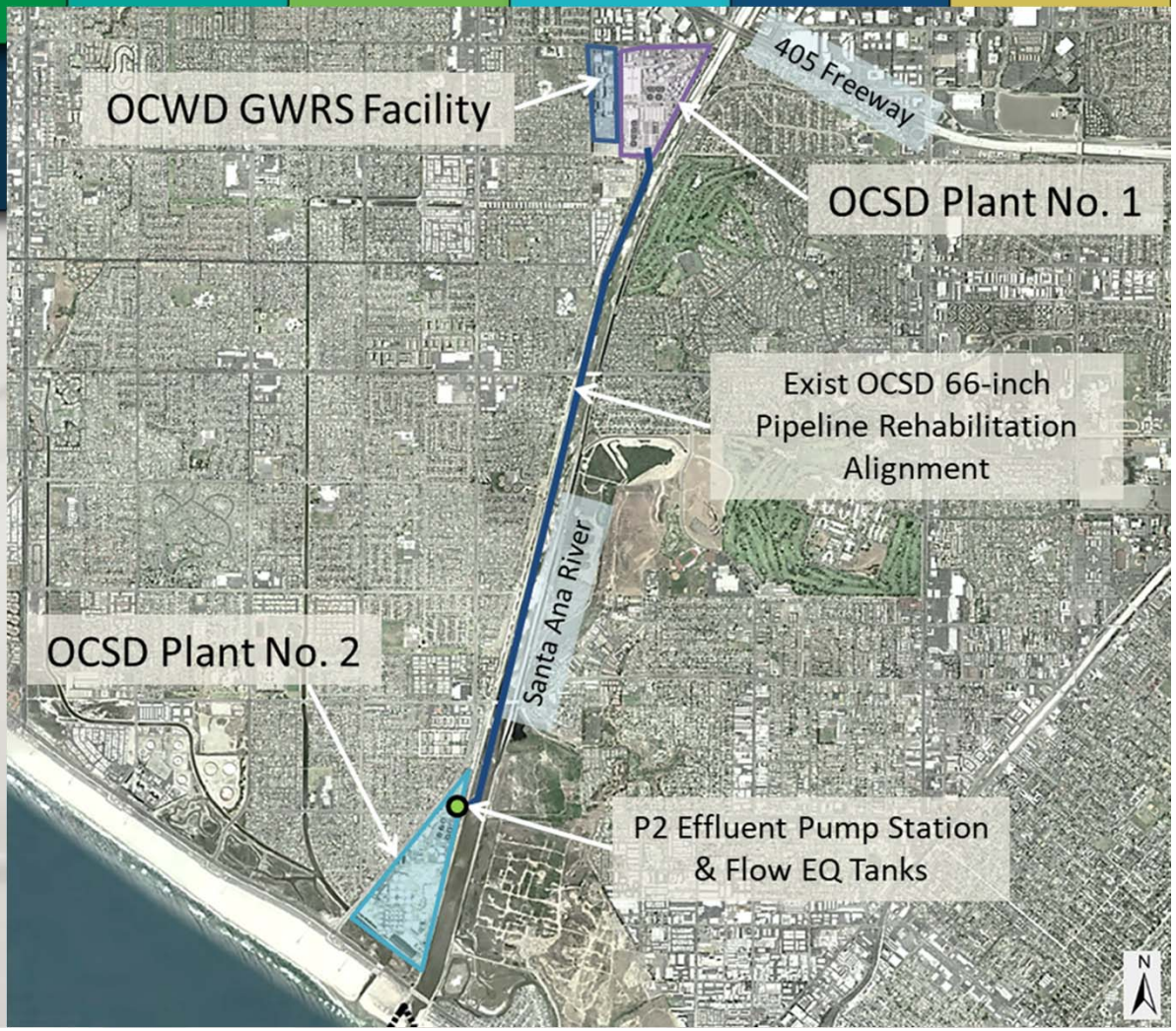
GWRSFE Overview

Current GWRS Operations

- All secondary effluent from Plant No. 1

GWRSFE Operations

- Additional secondary effluent required from Plant No. 2



Evaluation Memos – Design Phase

- EM1 – Predicted Influent Water Quality
- EM2 – Treatment Process Evaluation
- EM3 – Microfiltration Membranes

ORANGE COUNTY WATER DISTRICT

EM1 - GWRSFE Predicted Influent WQ

Constituent	Current GWRS Influent	Predicted GWRSFE Influent
Suspended Solids	5 mg/L	7.1 mg/L
Turbidity	2 NtU	3.1 NtU
Ammonia	2.1 mg/L	8.5 mg/L
Boron	0.38 mg/L	0.57 mg/L
Silica (SiO2)	20.2 mg/L	22.6 mg/L
Total Dissolved Solids	1035 mg/L	1408 mg/L
Total Organic Carbon	9.2 mg/L	10.3 mg/L
Alkalinity	196 mg/L	234 mg/L

- GWRSFE Required Influent: 170 MGD to make 130 MGD
  - P2: TF/SC – 50 MGD
  - P1: AS and TF – 120 MGD
- P2 Water Quality Affects:
  - Higher Ammonia – Increase MF/RO Fouling
  - Higher TDS – Increases RO feed pressure
  - Increased Alkalinity – Increase in sulfuric acid use

ORANGE COUNTY WATER DISTRICT

GWRSFE - MF

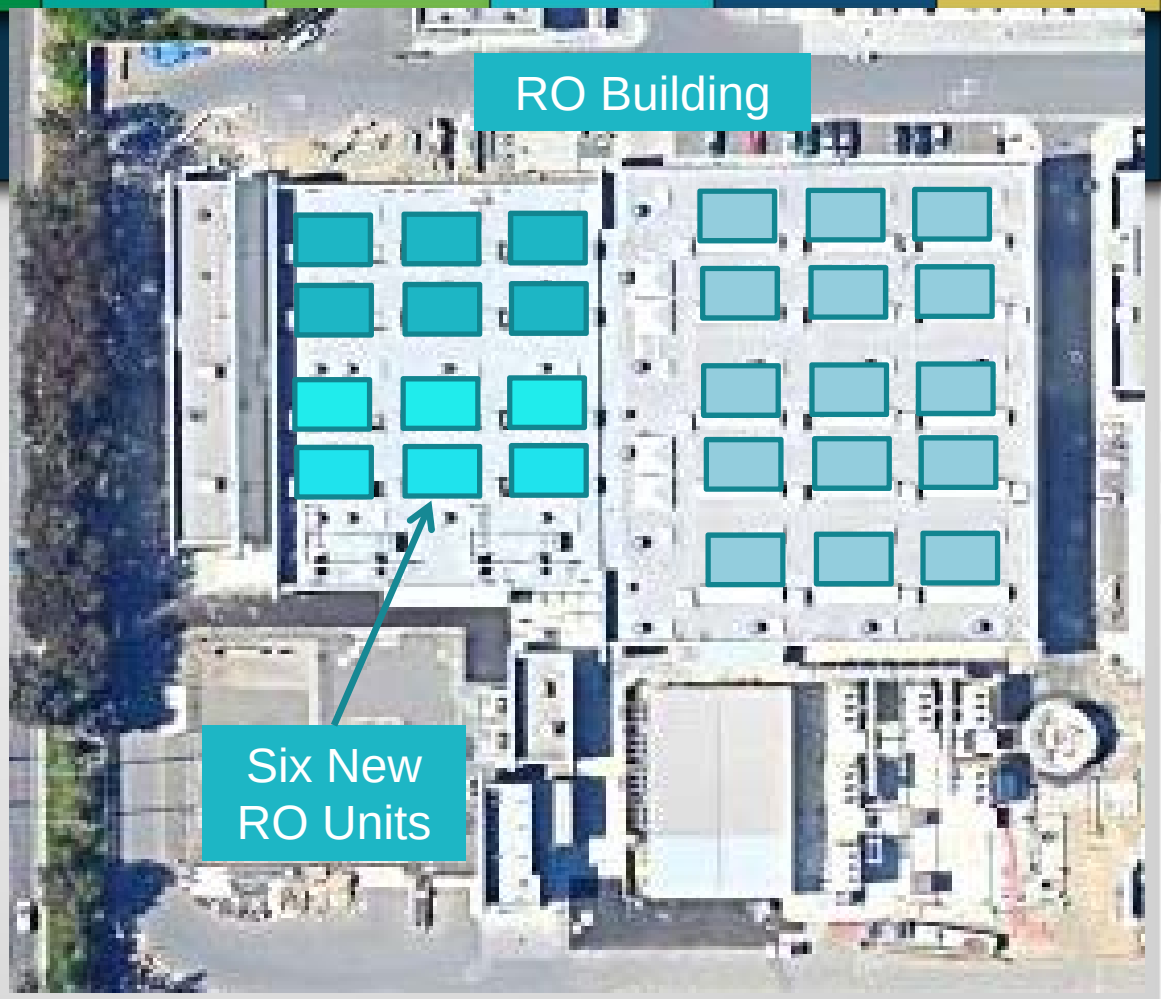
- Four Existing MF cells
- Four planned GWRSFE MF cells

Twelve new MF cells for GWRSFE have been planned for since 2006

ORANGE COUNTY WATER DISTRICT

GWRSFE - RO

- Original RO Units
- GWRSIE RO Units
- GWRSFE RO Units

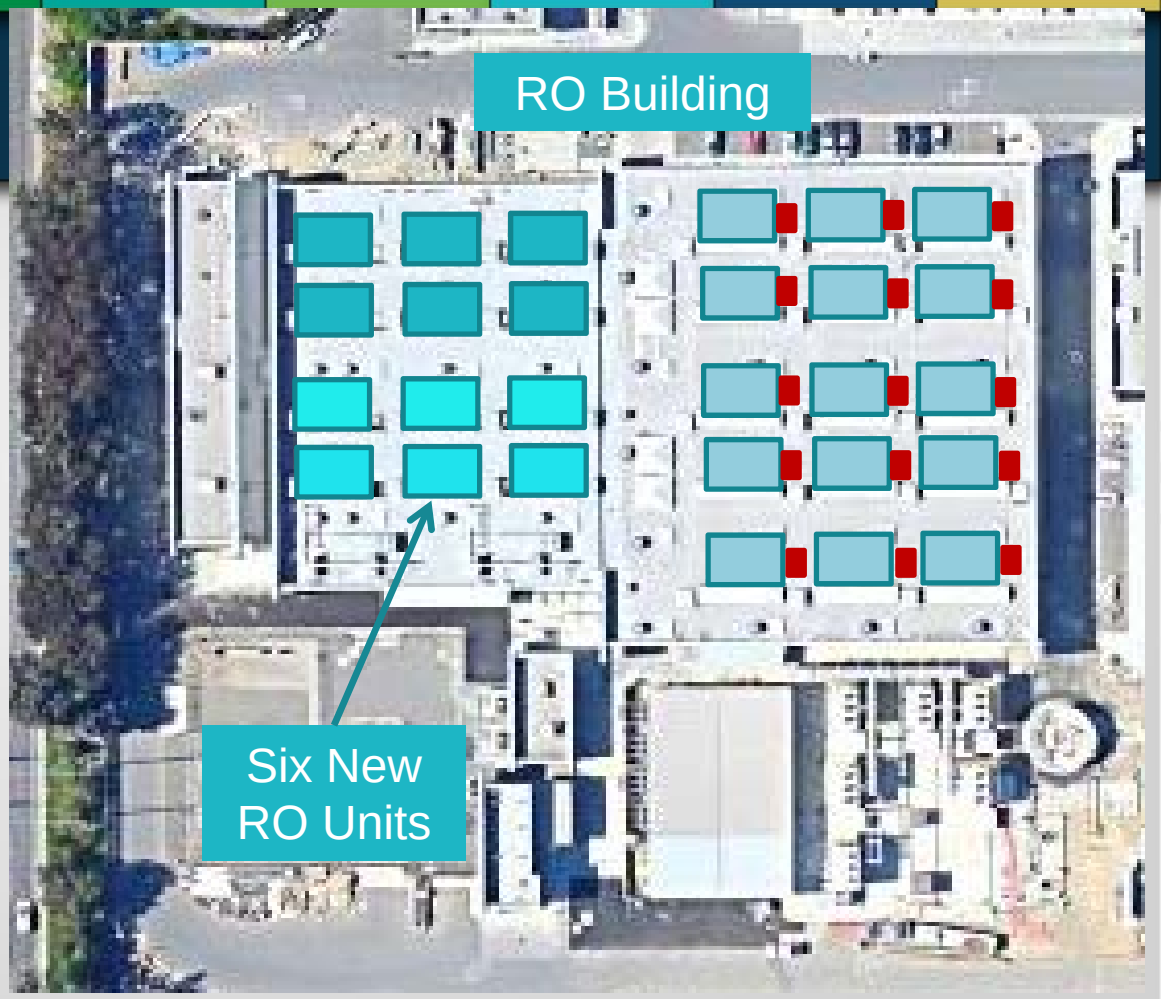


ORANGE COUNTY WATER DISTRICT

GWRSFE - RO

- Original RO Units
- GWRSIE RO Units
- GWRSFE RO Units
- Inter-stage booster pump

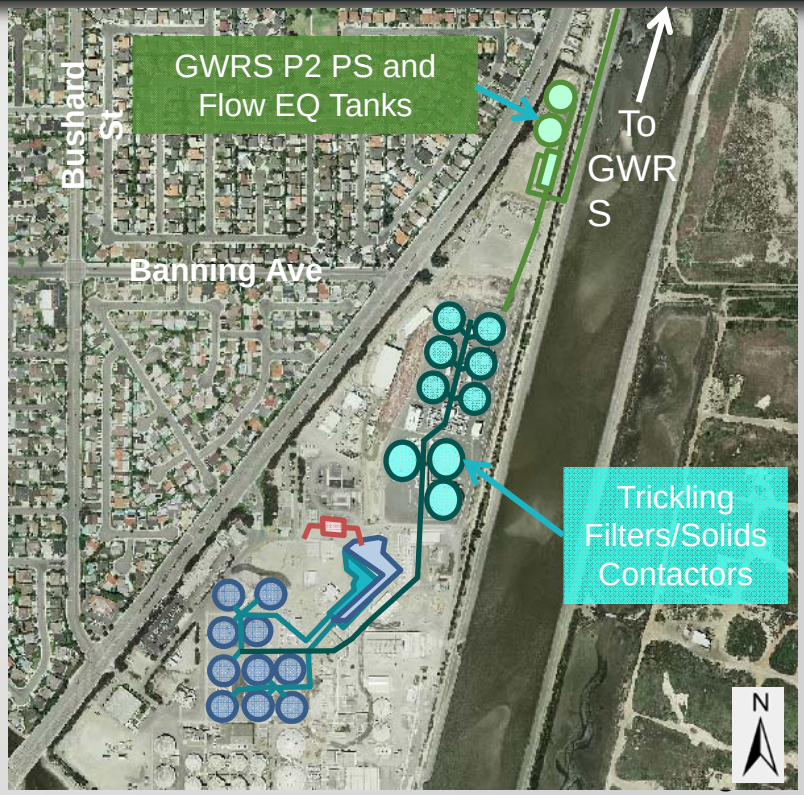
- Original GWRS RO units & GWRSFE RO Units will need inter-stage booster pumps
- GWRSIE RO Units have Energy Recovery Devices



ORANGE COUNTY WATER DISTRICT

GWRS Facilities at OCSD Plant 2

- Proposed new pump station location at north end of Plant 2
  - Less pipeline rehab
  - Less potential for construction delay
  - Separated OCWD facilities
- Seismic Faults Evaluation
- Abandoned Oil Wells Evaluation



GAP/IRWD Intertie

- 2012 Agreement with OCWD, OCSD, City of Newport Beach and IRWD
- Connects GAP to GWRS
  - 1,300 ft 24 inch line
- Allows for excess IRWD recycled water flows to be received by GWRS
- Intermittent
- No cost to OCWD for water

ORANGE COUNTY WATER DISTRICT

Summary of Additional Design Scope for B&V Amendment No. 1

Design Item	Cost
MF Membranes Design	$174,600
RO Interstage Booster	$368,500
P2 Pump Station Relocation	$109,200
Seismic Analysis	$166,200
Hazardous Materials Assessment	$52,800
IRWD/GAP/GWRS Intertie	$50,000
TOTAL	$921,300

Description	Project Budget	Projected Budget
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Studies/CEQA for GWRSFE Projects	$1,000,000	$1,000,000
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B&V Agreement		$5,663,000
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P2 Pipeline Rehabilitation Construction	$22,400,000	$22,400,000
Engineering, Legal & Administration		
GWRSFE Projects	$10,700,000	$10,700,000
Contingency		
GWRSFE Construction/Project Contingency	$20,750,000	$20,750,000
OCSD Project		

ORANGE COUNTY WATER DISTRICT

GWRSFE Project Schedule

- Preliminary Design Report – Feb 2018
- Amended CEQA/B&V Amendment – April 2018
- Final Design Docs – Feb 2019
- Bid Phase – June 2019
- Construction – 2020 through 2022
- Project Complete – First Quarter 2023

ORANGE COUNTY WATER DISTRICT

Revised Locations for OCSD Plant No. 2 facilities

- Prepared draft Initial Study/Mitigated Negative Declaration for revised pump station and flow equalization tanks
- Circulated for public comment from February 16 to March 17, 2018
- Final document ready for adoption

Recommendation

Approve the resolution, which includes the following actions:

1) Authorize issuance of Amendment No. 1 to Agreement No. 1248 with Black & Veatch for design phase services for the GWRS Final Expansion Project for an amount not to exceed $921,300

2) Adopt the Final Mitigated Negative Declaration for Groundwater Replenishment System Final Expansion Water Conveyance Facilities Project

3) Authorize Staff to file the Notice of Determination

End of Presentation

GWRSFE Project Budget

Description	Project Budget
Pre-Design	
Studies/CEQA for GWRSFE Projects	$ 1,000,000
Design	
Design Phase Engineering Services	$ 9,200,000
Engineering Services During Construction	$ 7,500,000
Total Design Estimate	**$ 16,700,000**
Construction	
GWRSFE CM & Inspection	$ 14,600,000
AWTF Expansion Construction	$ 94,000,000
P2 Effluent Pump Station Construction	$ 10,850,000
P2 Flow Equalization Tank Construction	$ 17,100,000
P2 Pipeline Rehabilitation Construction	$ 22,400,000
Engineering, Legal & Administration	
GWRSFE Projects	$ 10,700,000
Contingency	
GWRSFE Construction/Project Contingency	$ 20,750,000
OCSD Project	
OCSD Headworks Modification Project*	$ 44,700,000
TOTAL	**$ 252,800,000**

*OCWD to reimburse OCSD for this estimated project cost

RESOLUTION NO. XXX

ADOPTING FINAL INITIAL STUDY/MITIGATED NEGATIVE DECLARATION FOR GROUNDWATER REPLENISHMENT SYSTEM WATER CONVEYANCE FACILITIES PROJECT, APPROVING REVISED LOCATIONS FOR FACILITIES AT ORANGE COUNTY SANITATION DISTRICT NO. 2 AND AUTHORIZING ISSUANCE OF AMENDMENT NO. 1 TO AGREEMENT NO. 1248 WITH BLACK & VEATCH FOR DESIGN PHASE SERVICES

WHEREAS, on October 19, 2016 the Board of Directors adopted the Final Initial Study/Mitigated Negative Declaration and associated Mitigated Monitoring and Reporting Program for the Water Production Enhancement Project ('Project'), approved the Engineer's Report, approved the Project, and established a project budget of $23,400,000; and

WHEREAS, the Project includes the construction and operation of a new six million gallon flow equalization tank, pump station, conveyance pipeline and flow meter vault at the Orange County Sanitation District Wastewater Treatment Plant Site No. 2 in Huntington Beach; and

WHEREAS, on July 19, 2017 the Board authorized execution of Agreement No. 1248 with Black & Veatch for design of the Groundwater Replenishment System Final Expansion Project; and

WHEREAS, preliminary design of the Groundwater Replenishment System Final Expansion and the Project identified recommendations that will provide benefits to the Groundwater Replenishment System Final Expansion and the Project; and

WHEREAS, the design work associated with the recommendations identified during preliminary design is not included in the scope of work for Agreement No. 1248 with Black & Veatch approved on July 19, 2017; and

WHEREAS, Black & Veatch has proposed Amendment No. 1 to Agreement No. 1248 for the work needed for the out-of-scope items for an amount not to exceed $870,000 and District staff determined the work items described in Amendment No. 1 are out-of-scope; and

WHEREAS, based on preliminary design of the Project, the location of the facilities for the Project are proposed to be relocated compared to the locations evaluated in the Final Initial Study/Mitigated Negative Declaration adopted in October 2016;

WHEREAS, the flow equalization tank and pump station are proposed to be relocated approximately 200 feet to the north and the six million gallon flow equalization tank configuration has been replaced with two three million gallon tanks, with no change in the total amount of storage volume;

WHEREAS, the proposed changes in the Project do not affect the cost of the Project or the benefits of the Project;

WHEREAS, the staff of the District has undertaken preparation of an Initial Study/Mitigated Negative Declaration entitled 'Orange County Water District Groundwater Replenishment System Water Conveyance Facilities Project Initial Study/Mitigated Negative Declaration' in accordance with guidelines, established under Article VI of the California Environmental Quality Act (CEQA) Cal. Admin. Code Section 15000, et. seq., on the potential environmental impacts associated with the construction and operation of the Project with the proposed changes; and

WHEREAS, such Initial Study/Mitigated Negative Declaration has determined that with the incorporation of mitigation measures, potentially significant impacts to the environment would be reduced to a level that would be less than significant; and

NOW, THEREFORE, the Board of Directors of the Orange County Water District does hereby resolve as follows:

Section 1: The Board of Directors does hereby find that:

i) The Initial Study identifies potentially significant effects to the environment from the Project with the proposed revised location for facilities, but (A) revisions in the project plans or proposals made by, or agreed to by, the District before the proposed mitigated negative declaration and initial study are released for public review would avoid the effect or mitigate the effects to a point where clearly no significant effect on the environment would occur, and (B) there is no substantial evidence, in light of the whole record before the lead agency, that the project, with mitigation measures, may have a significant effect on the environment;

ii) The Initial Study/Mitigated Negative Declaration reflects the independent judgment and analysis of the Board of Directors of the District, as the lead agency for the project; and

iii) Prior to approving the revised locations for facilities in the Water Production Enhancement Project at Orange County Sanitation district Plant No. 2, the Board of Directors of the District has considered the Initial Study/Mitigated Negative Declaration together with any comments received during the public review process, and any responses to such comments.

Section 2: The Final Initial Study/Mitigated Negative Declaration and associated Mitigated Monitoring and Reporting Program for the Water Production Enhancement Project are hereby adopted.

Section 3: The revised locations for the facilities at Orange County Sanitation District Plant No. 2 as presented in the Final Initial Study/Mitigated Negative Declaration are

hereby approved and are hereby incorporated into the design of the Groundwater Replenishment System Final Expansion Project.

Section 4: Issuance of amendment No. 1 to Agreement No. 1248 with Black & Veatch for design phase services for the Groundwater Replenishment System Final Expansion Project for an amount not to exceed $870,000 is approved.

Section 5: Staff is authorized and directed to file a Notice of Determination.

BLACK & VEATCH

Black & Veatch Corporation
5 Peters Canyon Rd., Suite 300, Irvine, CA 92606
P +1 714-624-8953 E FoellmiSN@bv.com

March 28, 2018

Ms. Sandy Scott-Roberts, P.E.
GRWS Program Manager
Orange County Water District
18700 Ward Street
Fountain Valley, CA 92708 USA

Final Expansion of the
Groundwater Replenishment System
B&V Project No. 196566
B&V File 1100

Dear Sandy,

Our work on the GWRS Final Expansion is proceeding efficiently with the achievement of several significant milestones including:

- Completion of EM 1 – Predicted Influent Water Quality
- Completion of EM 2 – Treatment Process Evaluation
- Completion of EM 3 – Microfiltration Membranes
- Work Proceeding on EM 4 – Existing Pipeline Evaluation
- Delivery of draft Preliminary Design Report and receipt of review comments

Our work to date has also identified several work tasks that are outside the scope of our existing Agreement as summarized in Table 1.

Table 1 – Summary of Amendment Items

No.	Description of Amendment Item		Engr Cost
1	Relocation of P2 Secondary Effluent Conveyance Facilities		$109,200
2	GAP Pipeline Connection (to GWRS)		$50,000
3	Fault Rupture Hazard Assessment (P2, North Area)		$166,200
4	Hazardous Materials Site Investigations (P2, North Area)		$52,800
5	RO Interstage Booster Pump (Trains A through E)		$368,500
6	MF Membrane System Modifications		$174,600
	Total =		$921,300

A brief summary of the scope of work for each amendment item follows:

1. **Relocation of P2 Secondary Effluent Conveyance Facilities.** Our existing scope of work identified the location and configuration of the P2 SE Conveyance Facilities in the south area of the P2 site. However, preliminary investigations identified significant benefits for both OCWD and OCSD from relocating and reconfiguring these new facilities to the north, undeveloped area of the P2 site. Identified benefits include (1) reduced coordination between competing construction activities on site, (2) increased P2 site space available for future OCSD construction support and plant expansion projects, (3) improved OCWD access for long-term operation and maintenance activities, (4) reduced overall project construction costs, and (5) reduced overall Project operation and maintenance costs.

   Additional work was performed to evaluate and clarify the configuration and design basis associated with relocating the P2 SE conveyance facilities. Additional work included identification and evaluation of alternatives, execution of joint coordination meetings with

OCWD and OCSD, preparation and completion of two major joint OCWD and OCSD workshops, summary presentations, drawing preparation, and comparative cost estimating. The result of this additional work was the joint decision reached by OCWD and OCSD at the meeting held on October 31, 2017, to reconfigure and relocate the P2 SE Conveyance Facilities to the north area of the P2 site as recommended.

2. **GAP Pipeline Connection (to GWRS).** OCWD requested modifications to the project design to incorporate a new piping connection between the existing 24-inch Green Acres Project (GAP) 24-inch pipeline and the GWRS influent. Additional work is required to identify and evaluate alternative connection locations, design the piping and control components, and prepare seven additional drawings and specifications. Construction of the GAP pipeline connection (to GWRS) will be included as part of the construction of the final expansion.

3. **Fault Rupture Hazard Assessment (P2, North Area).** Seismic investigations have previously been performed for the southern portion of the P2 site. Relocation of the P2 SE conveyance facilities to the north area of the P2 site required performance of a fault rupture hazard assessment for this north area.

4. **Hazardous Materials Site Investigations (P2, North Area).** Hazardous materials are known to be present on the P2 site, but investigations to define the existence of hazardous materials has not been performed in the undeveloped north area of the site. Relocation of the P2 SE conveyance facilities to the north area of the P2 site requires performance of a hazardous materials site investigation to define the extent of hazardous materials in the area of the planned project construction.

5. **RO Interstage Booster Pump (Trains A through E).** The RO facilities that were implemented as part of the initial expansion and the RO facilities planned for the final expansion incorporate an interstage pressure boost which provides significant benefits including (1) enhanced operational control of first stage membrane flux (2) reduced overall energy consumption, (3) reduced CIP membrane cleaning requirements, (4) increased membrane longevity, and (5) overall system performance improvements.

   Our evaluations of the existing RO Trains A through E recommended retrofitting the existing Trains A through E with interstage pressure boost as well. Implementation of the RO interstage pressure boost for Trains A through E requires additional work that is outside the scope of our existing Agreement as follows:

   - Modification of the piping and controls for RO Trains A through E to include a new booster pump and associated components
   - Electrical equipment to power the new booster pumps and associated equipment located along the north wall of the existing RO building
   - To maintain forklift access through this area, the north RO building wall will be extended (north) to house the new electrical equipment
   - The existing ventilation system will be expanded to account for the additional heat generated by the new booster pump motors

- Drawings and specifications (94 drawings) will be prepared suitable for competitive bidding and construction by a construction contractor

Construction of the RO interstage booster pumping systems (Trains A through E) will be included as part of the construction of the final expansion.

6. **MF Membrane System Modifications.** The completion of the evaluations associated with EM 3, Microfiltration Membranes resulted in the recommendation to implement Scinor MF Membranes for the final expansion. The selection of Scinor as the recommended supplier of the MF membranes for the project requires modification to the methodology and scope of work associated with the project, as follows:

   - Scinor will have responsibility for design and supply of equipment located in the interior of each MF membrane cell. Scinor will also coordinate with Black & Veatch during the MF system design on associated systems and control modifications.
   - Black & Veatch will have expanded design responsibility including the MF membrane systems, controls and associated components outside of the MF cells.
   - Black & Veatch will prepare twenty new drawings for the hypochlorite feed system required for the Scinor MF membranes.

   The change to the methodology for providing the MF membrane systems and equipment will require Black & Veatch to review and modify the majority of the MF membrane system drawings to (1) confirm the validity of the design and (2) provide sufficient details to facilitate competitive bidding and construction by the project construction contractor. The MF membrane system drawings will be reviewed and modified to provide additional details and notes for the associated piping, equipment, electrical supply and instrumentation.

Each of the amendment items presented herein is for work that is outside the scope of our existing Agreement. Black & Veatch requests that an amendment to our Agreement be issued in the amount of $921,300.

Please contact us if there are questions or if additional information is needed.

Very truly yours,
Black & Veatch Corporation

Steven N. Foellmi, P.E.
Project Manager

MC
cc: Jim Clark, Project Director

AGENDA ITEM SUBMITTAL

Meeting Date: April 4, 2018

To: Board of Directors

From: Mike Markus

Staff Contact: Kennedy/Fick

Budgeted: N/A
Budget Amount: N/A
Cost Estimate: N/A
Funding Source: N/A
Program/Line Item No: N/A
General Counsel Approval: N/A
Engineers/Feasibility Report: N/A
CEQA Compliance: N/A

Subject: FISCAL YEAR 2018-19 BUDGET

SUMMARY

At the March 2018 Administrative Finance Committee meeting staff was requested to provide additional information regarding the proposed FY2018-19 budget and to evaluate different options to avoid or minimize any increase to next year's Replenishment Assessment (RA). The Board will consider setting the FY2018-19 RA and approving the budget at its April 18, 2018 meeting.

Attachment(s):
- Recent Budget Letter to Cities of Anaheim, Fullerton and Santa Ana
- Presentation

RECOMMENDATION

Informational.

DISCUSSION/ANALYSIS

The proposed FY 2018-19 budget was presented to the Board on March 7, 2018 and is based upon several Board policies and general District goals which are listed below:

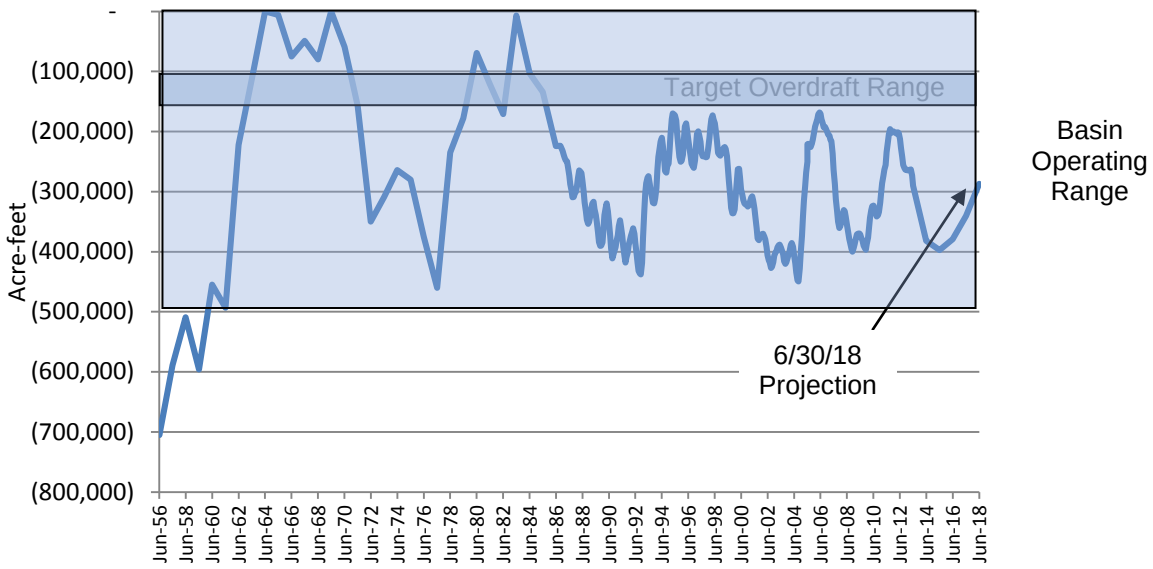
- Maintaining a stable BPP at 75% or higher,
- Maintaining the District's credit ratings,
- Working towards refilling the groundwater basin to have an accumulated overdraft of 100,000 to 150,000 acre-feet,
- Preventing Seawater intrusion,
- Avoiding large increases to the RA

The recommended FY2018-19 budget calls for the following:

- Increasing the combined Replenishment Assessment (RA) and Additional RA from $445 to $472/acre-foot,
- Maintaining the Basin Production Percentage (BPP) at 75%,
- Purchasing 65,000 acre-feet of Metropolitan Water District untreated water to support the recommended BPP,

- The accumulated overdraft would decrease (water storage levels would increase) by a planned amount of 14,000 to 38,000 acre-feet depending upon the assumptions used for expected basin recharge.
- Being relatively conservative given the groundwater basin's projected accumulated overdraft of 287,000 acre-feet as of June 30, 2018 as shown of the following Figure 1.

Figure 1 - OCWD Groundwater Basin Accumulated Overdraft



Note: The estimated June 30, 2018 accumulate overdraft of 287,000 acre-feet has an error range of plus or minus 15,000 to 20,000 acre-feet. The actual accumulated overdraft will be calculated this summer and presented to the Board in September 2018. Board policy calls for consideration to lower the BPP and purchase additional imported water if the accumulated overdraft is greater than 350,000 acre-feet.

Staff has used slightly conservative numbers for expected groundwater basin recharge in preparing the recommended budget as shown on Table 1. Based upon the hydrology the District has experienced over the past 15 to 20 years, there is about a 70% chance the District will receive greater amounts of water than what is shown in the "Conservative Figures" column for Santa Ana River Stormflows and Natural Incidental Recharge.

By using the conservative figures and a 75% BPP, there is a good chance the District will refill the basin by some amount of water next year. Additionally, if a relatively dry year is experienced, the increase to the basin's accumulated overdraft (decrease to storage supplies) should be no more than approximately 20,000 acre-feet. With this recommended approach and assuming average hydrology, the accumulated overdraft target range could be reached in about five years.

At the March 2018 Administrative Finance Committee staff was requested to provide additional information regarding the proposed FY2018-19 budget and to evaluate different options to avoid or minimize any increase to next year's RA. Three options were discussed which are summarized on the following page.

Table 1 - Expected FY18-19 Groundwater Basin Water Balance
75% Basin Production Percentage

Sources	Conservative Figures (af)	Average Figures (af)
SAR Baseflows	65,000	70,000
Santa Ana River Stormflows	41,000	51,000
Natural Incidental Recharge	52,000	61,000
MWD Untreated Water	65,000	65,000
GWR System	103,000	103,000
Alamitos Seawater Barrier	2,000	2,000
Total water recharged	**328,000**	**352,000**
Expected Basin Pumping at 75% BPP	**314,000**	**314,000**
Impact to Water Storage Levels	14,000	38,000

Option 1: Increase the BPP to 80% to generate additional water sales which will allow the RA to remain unchanged.

This option is shown in Table 2 and calls for pumping about another 20,000 acre-feet of water from the groundwater basin and reducing the level of conservatism in the recommended budget with the 80% BPP. The District would be taking a less aggressive step towards refilling the groundwater basin. This option brings into play the risk that the accumulated overdraft could exceed 350,000 acre-feet in one or two years assuming dry hydrology. District policy calls for lowering the BPP once the accumulated overdraft reaches this level. If this were to occur and the District reduced the BPP back down to 75% or even lower, the impact to the future RA would be significant.

Option 2: Reduce purchases of Metropolitan Water District untreated water supplies to 35,000 acre-feet and correspondingly reduce the BPP to 66% which will allow the RA to remain unchanged;

This option maintains the RA at $445/acre-foot but increases the Producers overall water supply cost as they will need to purchase additional treated MWD water. This option would preserve the level of conservatism in the recommended budget which means there would be a good chance of refilling the groundwater basin by some amount next year.

Table 2 - Expected FY18-19 Groundwater Basin Water Balance
80% Basin Production Percentage

Sources	Conservative Figures (af)	Average Figures (af)
SAR Baseflows	65,000	70,000
Santa Ana River Stormflows	41,000	51,000
Natural Incidental Recharge	52,000	61,000
MWD Untreated Full Service Water	65,000	65,000
GWR System	103,000	103,000
Alamitos Seawater Barrier	2,000	2,000
Total water recharged	**328,000**	**352,000**
Expected Basin Pumping at 80% BPP	**334,000**	**334,000**
Impact to Water Storage Levels	(6,000)	18,000

Option 3: Defer payment of 13,000 acre-feet of in-lieu water taken under the MWD Cyclic Storage Agreement to future years which will reduce the recommended RA to $457/acre-foot.

The District has four more years to pay MWD for the remaining 13,000 acre-feet of in-lieu water received this fiscal year. As MWD rates are projected to increase 3% annually, it is preferable to pay for this water sooner than later. Staff recommended purchasing this water in FY2018-19 and FY2019-20 at 6,500 acre-feet each year. However, RA relief can be achieved by deferring payment for this water until FY2019-20 and FY2020-21. This option adds about $390,000 to the total water cost. The FY2018-19 RA would only need to increase to $457/acre-foot with this option

PRIOR RELEVANT BOARD ACTION(S) N/A

DIRECTORS
PHILIP L. ANTHONY
DENIS R. BILODEAU, P.E.
SHAWN DEWANE
CATHY GREEN
DINA NGUYEN
VICENTE SARMIENTO
STEPHEN R. SHELDON
JAMES VANDERBILT
BRUCE WHITAKER
ROGER C. YOH, P.E.

SINCE 1933

ORANGE COUNTY WATER DISTRICT

ORANGE COUNTY'S GROUNDWATER AUTHORITY

OFFICERS
President
DENIS R. BILODEAU, P.E.

First Vice President
PHILIP L. ANTHONY

Second Vice President
SHAWN DEWANE

General Manager
MICHAEL R. MARKUS, P.E., D.WRE

March 22, 2018

Mayor Tom Tait
City of Anaheim
200 South Anaheim Blvd.
Anaheim, CA 92805

Mayor Doug Chaffee
City of Fullerton
303 W. Commonwealth Ave.
Fullerton, CA 92832

Mayor Miguel Pulido
City of Santa Ana
20 Civic Center Plaza
Santa Ana, CA 92701

Subject: Orange County Water District Fiscal Year 2018-19 Replenishment Assessment

Dear Honorable Mayors Tom Tait, Doug Chaffee and Miguel Pulido:

Thank you for your letter dated March 6, 2018 regarding the Orange County Water District's (OCWD or District) Replenishment Assessment (RA) which is charged to your cities for water pumped from our local groundwater basin. OCWD is responsible for sustainably managing the groundwater basin so that adequate water supplies are always available to the 19 cities and retail water districts within the District's service territory.

The District shares your concerns regarding recent RA increases. However, without these RA increases, which has allowed the District to implement projects and programs to maintain a 75% Basin Production Percentage (BPP), the overall cost of the water supply that each of your cities provide to your residents would be higher and less reliable.

The current 75% BPP allows your cities to pump 75% of your water supply from the groundwater basin at the $445/acre-foot RA rate. The remaining 25% of your water supply is purchased from the Metropolitan Water District (MWD). The current unit cost of MWD treated water is $1,015/acre-foot. A fundamental objective of OCWD is to undertake economical projects and programs that keep the BPP as high as possible to minimize the amount of more expensive MWD water that your cities must annually purchase.

Your letter indicated that the RA has increased 72% over the past five years. This calculation appears to compare the FY 2013-14 RA of $276/acre-foot to the proposed FY 2018-19 RA of $472/acre-foot. The RA would have increased $196/acre-foot over this time frame. OCWD staff has analyzed the reasons for the RA increases over this five year period and has calculated that 73% of the increase was for two reasons as described below:

1. OCWD currently purchases 65,000 acre-feet per year of MWD untreated water which is recharged into the groundwater basin to support the 75% BPP. The FY2018-19 cost of this water is $46.3 million. Without this operation the BPP would have to be lowered to 58% which would force your cities to purchase 42% of your water supply from MWD. The District gradually included 65,000 acre-feet of untreated MWD water in its budget over the past five years. In Fiscal Year 2013-14 only $16.1 million was included in the District's budget to allow the purchase of 27,500 acre-feet of MWD water. Ramping in this large expense of additional water purchases along with water rate increases from MWD is responsible for 53% of the RA increase over the past five years.

2. In FY2014-15 the District completed the $142 million expansion of the Groundwater Replenishment System which increased the size of the plant from 70 to 100 million gallons per day. This expansion is creating another 31,000 acre-feet per year of new water supply for our region. Without this project the BPP would need to be lowered 8%. The expansion project has added an additional $19 million per year in operation and maintenance cost along with additional debt service to the District's budget. This represents about 20% of the RA increase over the past five years.

Without the GWRS expansion project and without the District's program to purchase 65,000 afy of MWD untreated water, the BPP would be about 50% today. Your cities would then be purchasing 50% of your needed water supply at the $1,015/af MWD rate which would make your overall water supply cost more expensive and less reliable.

Over the past five years the RA has increased for other minor reasons. However, you should know the OCWD Board works closely with senior management to ensure our operations are efficient and effective as we protect and manage the local groundwater basin. One example of such is the District's employee retirement program. OCWD is not a CalPERS member but provides a defined contribution retirement plan to its employees. This has allowed the District to avoid the overall liability and employee benefit cost increases being experienced by many other California government agencies. Thus, a greater percentage of the District's revenues can be allocated to actual operations that improve the water reliability and security for the region.

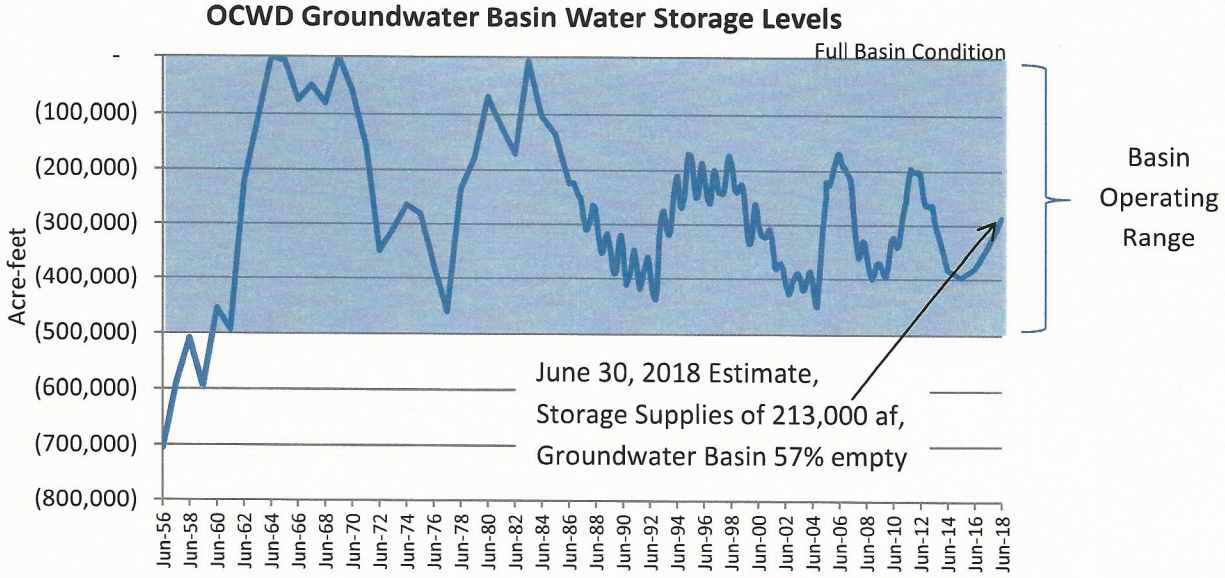
As you are aware, California recently experienced a historic five-year drought that was at least temporarily relieved due to the heavy rains the state experienced in FY2016-17. During this five-year period, sufficient water supplies were always available to our local residents and businesses as OCWD was able to maintain a 75% BPP. However, the groundwater basin, which is an underground reservoir, was over drafted as it should be during a drought period. In June 2016 the groundwater basin only had 121,000 acre-feet of available storage supplies and was considered 76% empty.

During the current fiscal year the District had the opportunity to take delivery of an additional 73,000 acre-feet of imported water from MWD to begin refilling the groundwater basin. The District negotiated a new Cyclic Storage Agreement with MWD during the summer of 2017 to allow this purchase to occur. Because of this action and despite the very dry conditions being experienced this fiscal year, we anticipate that available storage supplies in the groundwater basin will increase to about 213,000 acre-feet by the end of the fiscal year. Due to this action the groundwater basin is in better condition to withstand potential future dry years. However, the groundwater basin will still be about 57% empty as shown on the following figure.

The cost of the 73,000 acre-feet of MWD water received is approximately $51 million. The District needs to pay for this additional water over the next five years. The District has used its Commercial Paper debt program to fund 60,000 acre-feet of this water. This debt would be repaid over the next ten years which is resulting in minimal impact to the RA. The remaining 13,000 acre-feet of water would be paid for in FY2018-19 and FY2019-20 to keep OCWD cost low and to avoid future MWD rate increases.

The OCWD Board has begun meetings to review and ultimately approve the FY2018-19 budget. On March 7, 2018 the OCWD staff presented a recommended budget to the Board which included a recommendation to maintain the BPP at 75% and to increase

the RA from $445 to $472/acre-foot. This budget also included refilling the groundwater basin by about 38,000 acre-feet of water. Given the current condition of the groundwater basin a relatively conservative approach was recommended.



Your March 6, 2018 letter requested that the RA not be increased for FY2018-19. We hope with this letter you have a better understanding of the District's operations and the difficulty we would have in meeting your request given OCWD's primary role to adequately manage the groundwater basin to ensure sufficient water supplies are available.

However, over the next few weeks the District will be reviewing two options to not raise the RA and a third option to minimize any increase. OCWD would like your comments on these options which are described below:

1. Increase the BPP to 80% to generate additional water sales which will allow the RA to remain unchanged. This option would require OCWD to be less conservative in how the groundwater basin water supplies are managed. With a 75% BPP there is a good chance that water supplies in the groundwater basin will increase over the year. With an 80% BPP the chance of increasing water supplies in the basin becomes more of a 50/50 proposition. Additionally, if the region were to experience relatively dry years in FY2018-19 and FY2019-20, water supplies in the basin would fall to levels where current District policy calls for lowering the BPP.

2. Reduce purchases of MWD untreated water supplies to 35,000 acre-feet and correspondingly reduce the BPP to 66% which will allow the RA to remain unchanged. This option would increase your cities overall water supply cost as more expensive treated MWD water would need to be purchased. However, OCWD could continue to take a conservative approach to managing the groundwater basin; and

3. Defer payment of the remaining 13,000 acre-feet of water taken under the MWD Cyclic Storage Agreement to future years which will reduce the recommended RA increase to $457/acre-foot. This option provides some RA relief. However, as MWD rates are anticipated to increase at approximately 3% annually, delaying payment for this water by two years will increase the eventually cost of the water by about $700,000. This option also allows OCWD to take a more conservative approach in managing the groundwater basin.

OCWD plays a very important role in ensuring adequate water supplies are available to this region. The District works collaboratively with the 19 cities and retail water agencies within our service territory in determining how the groundwater basin should be managed. The District is seeking feedback from your cities on the three budget options that have been described in this letter along with any other comments or ideas you may have.

The District will be holding budget meetings over the next few weeks prior to formally considering establishment of the FY2018-19 RA and BPP on April 18. 2018. We welcome participation from your agency representatives in these meetings.

Sincerely,

Denis Bilodeau

Denis Bilodeau
Board President

cc: OCWD Board Members

OCWD FY2018-19 Budget

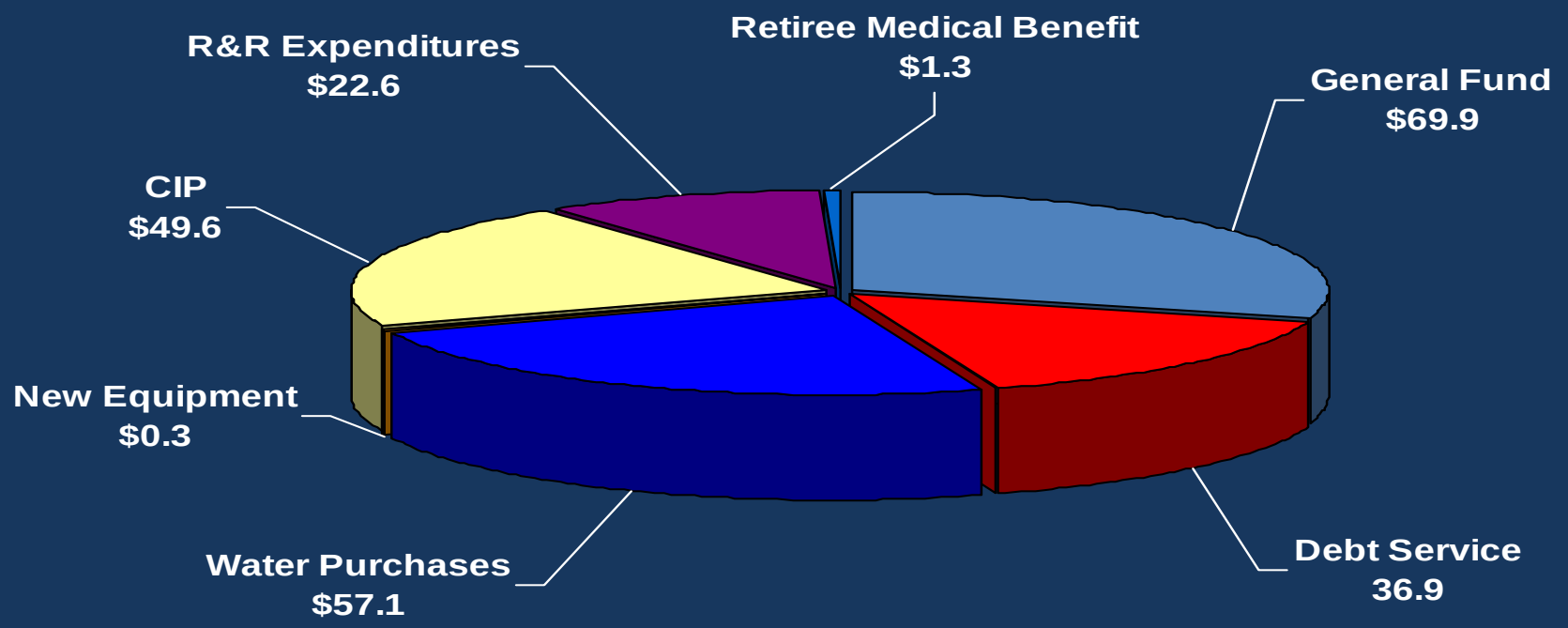
Board of Directors Meeting

April 4, 2018

Board Policies/Goals

- Maintain the BPP at 75% or higher
- Working towards filling the groundwater basin to an accumulated overdraft target of 100,000 to 150,000 af
- Prevent seawater intrusion
- Maintain AAA credit ratings
- Avoid RA spikes

Budget Components
Total Budget - $237.7 million



Proposed FY2018-19 Rates

- Maintain a 75% Basin Production Percentage
- Increase the Replenishment Assessment from $445/af to $472/af
  - Projected Replenishment Assessment provided in January 2018 was from $469 to $486/af

FY2018-19 RA Calculation

Items	FY17-18 (Millions)	FY18-19 (Millions)	Change In RA
General Fund	$66.1	$69.9	$13
Water Purchases	$49.7	$57.1	$24
Debt Service	$36.0	$36.9	$3
PAYGO Program for Capital Projects	$7.0	$8.0	$3
Retiree Medical Benefit	$1.3	$1.3	$0
Small Equipment	$0.2	$0.3	$0
R&R Fund Transfer	$15.6	$16.7	$4
Total Expenses	$175.9	$190.2	$47
Non-RA Revenues	$41.7	$42.2	$(2)
Net Expenses	$134.2	$148.0	$45
Expected Pumping	303,250 af	314,500 af	$(18)
Replenishment Assessment	$445/af	$472/af	$27

Paying for 73,000 AF of MWD In-Lieu Water Under the Cyclic Storage Agreement

73,000 af ($50 Million)

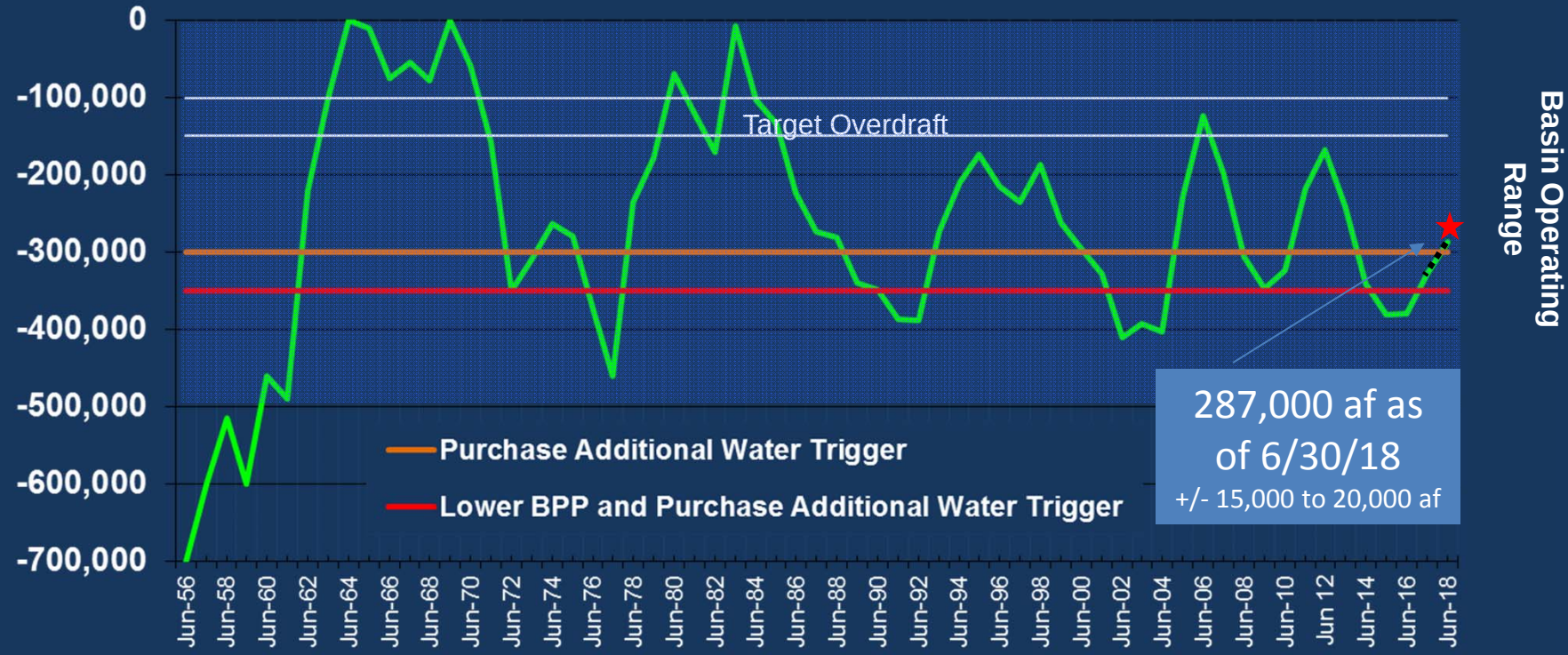
60,000 af

- Use $40 Million of Commercial Paper Program
- Paid 2017 $666/af Rate
- Added to existing CP Balance
- Repay over ten years
- Only $3/af impact RA

13,000 af

- Repay over next two years
- Increases RA by $15/af
- Have four years to pay for water

OCWD Groundwater Basin Accumulated Overdraft



FY 17-18 Groundwater Basin Water Balance

Water Source	Budgeted Figures	Projections
SAR Baseflow	62,500	65,000
SAR Stormflows	41,000	25,000
Incidental Recharge	52,000	30,000
GWR System	103,000	103,000
MWD Supplies	165,000	138,000
Other	2,000	2,000
Total Water Into Basin	425,500	363,000
Basin Pumping – 75%	303,000	321,000
Gain/Loss	122,000	42,000

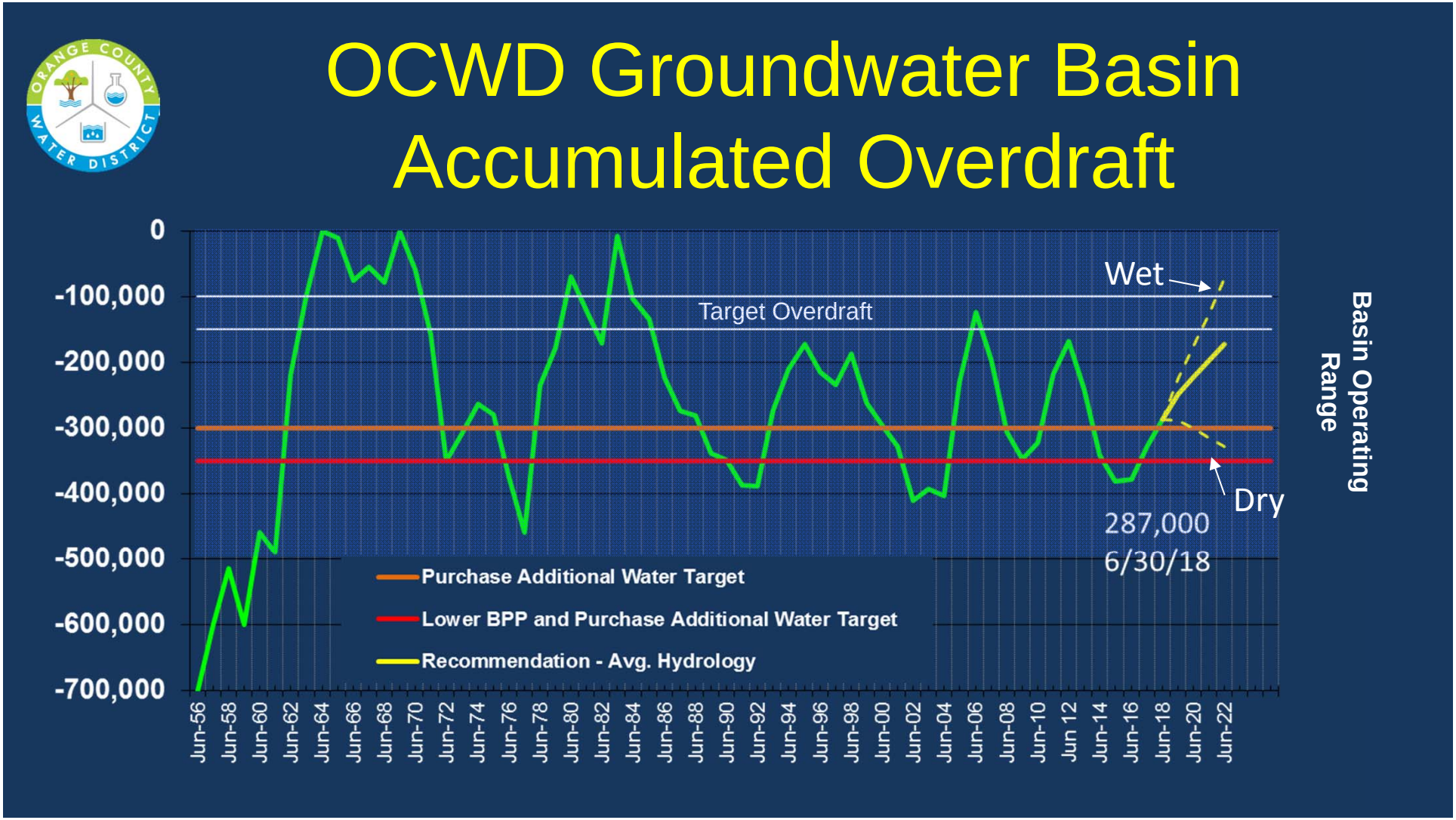
FY 18-19 Groundwater Basin Water Balance (afy) – 75% BPP

Water Source	Conservative Figures	Averages
SAR Baseflow	65,000	70,000
SAR Stormflows	41,000	51,000
Incidental Recharge	52,000	61,000
GWR System	103,000	103,000
MWD Supplies	65,000	65,000
Other	2,000	2,000
Total Water Into Basin	328,000	352,000
Basin Pumping – 75%	314,000	314,000
Gain/Loss	14,000	38,000

Why Use More Conservative Approach and a 75% BPP?

- Groundwater basin is only about 43% full
- Highly variable weather patterns
- Don’t want to fall below an accumulated overdraft of 350,000 af
- Good chance of increasing water storage levels in the basin (reducing the accumulated overdraft)
- If another dry year – the basin’s accumulated overdraft would only increase around max of 20,000 af

OCWD Groundwater Basin Accumulated Overdraft



Three Options to Avoid/Minimize Replenishment Assessment Increase

Option 1: Increase the BPP to 80% to generate additional water sales which will allow the RA to remain unchanged.

Option 2: Reduce purchases of Metropolitan Water District untreated water supplies to 35,000 acre-feet and correspondingly reduce the BPP to 66% which will allow the RA to remain unchanged;

Option 3: Defer payment of 13,000 acre-feet of in-lieu water taken under the MWD Cyclic Storage Agreement to future years which will reduce the recommended RA increase to $457/acre-foot.

Option 1

FY 18-19 Groundwater Basin Water Balance (afy) – 80% BPP

Water Source	Conservative Figures	Averages
SAR Baseflow	65,000	70,000
SAR Stormflows	41,000	51,000
Incidental Recharge	52,000	61,000
GWR System	103,000	103,000
MWD Supplies	65,000	65,000
Other	2,000	2,000
Total Water Into Basin	328,000	352,000
Basin Pumping – 80%	334,000	334,000
Gain/Loss	(6,000)	18,000

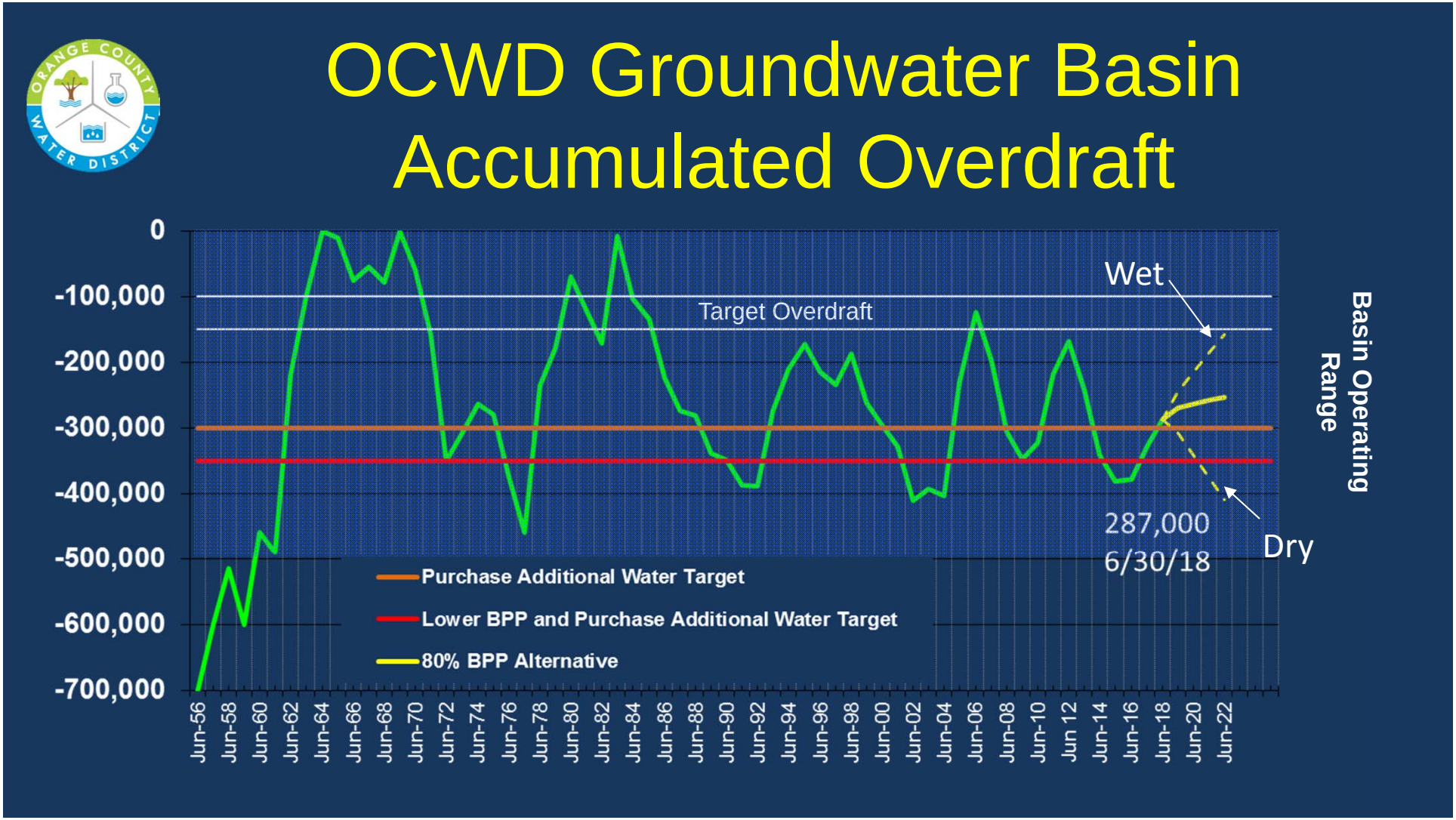
Option 1: Increase the BPP to 80% to Generate Additional Water Sales

Pros – No RA Increase/BPP increase

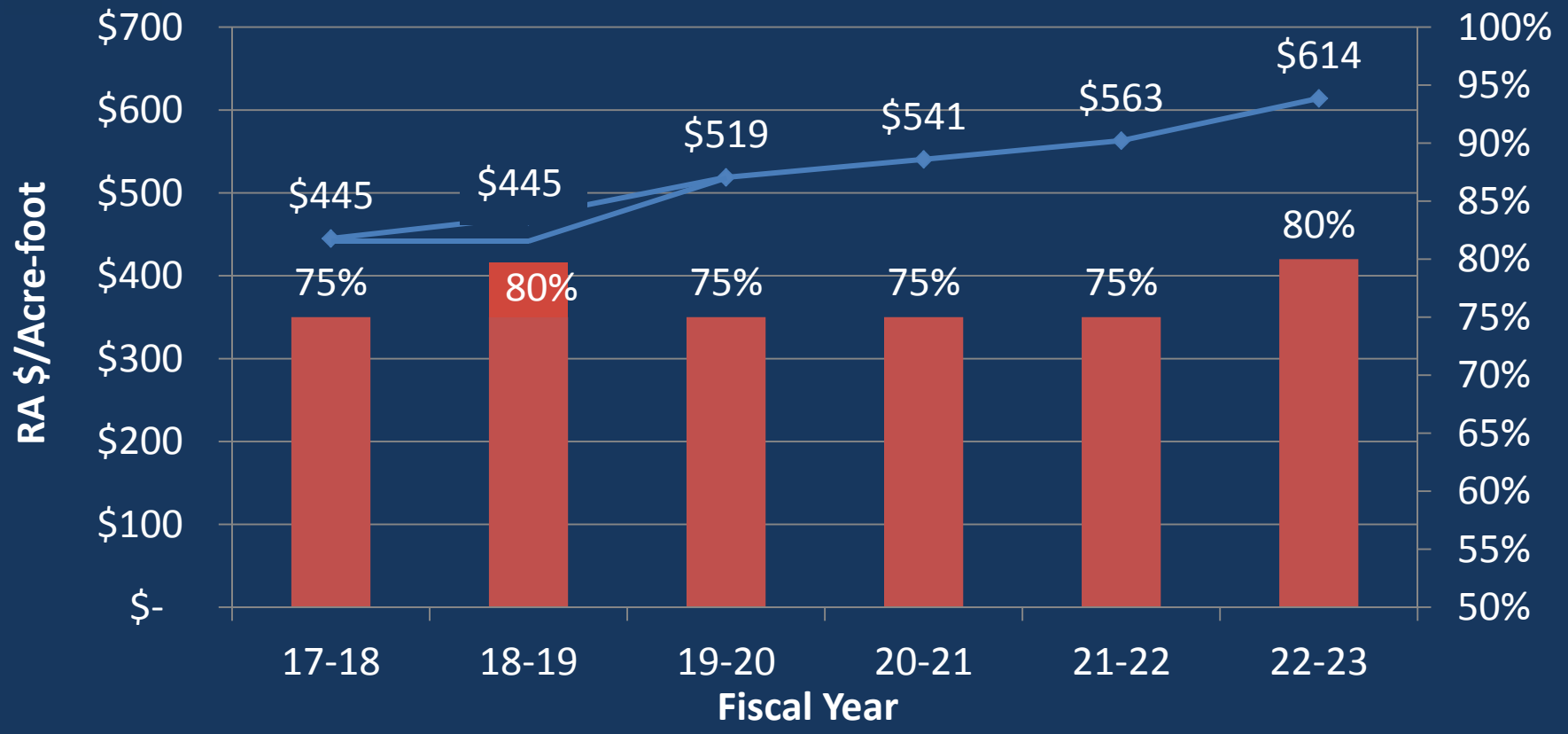
Cons – Less conservative/more exposure to mother nature

- Slower pace to refill the groundwater basin
- If can't sustain 80% BPP – large future RA Increase
- Greater chance of falling below 350,000 af accumulated overdraft amount
- Minor decrease to Coastal Pumping Transfer Program
- Can all Producers pump up to 80% BPP?

OCWD Groundwater Basin Accumulated Overdraft



Five Year RA & BPP Projection



Option 2

Option 2: Reduce Purchases of Metropolitan Water District Untreated Water Supplies to ~35,000 acre-feet and Correspondingly Reduce the BPP to 66%

Pros – No RA Increase

Continue conservative basin management approach

Cons – Producers water supply cost increases with having to purchase additional MWD treated full service water at $1,015/af

Option 3

Option 3: Defer payment of 13,000 acre-feet of in-lieu Water Taken Under the MWD Cyclic Storage Agreement to Future Years

- Staff proposed paying for water in FY18-19 and FY19-20; Defer to FY19-20 and FY20-21

Pros – RA Increase can be reduced to $12/af vs $27/af

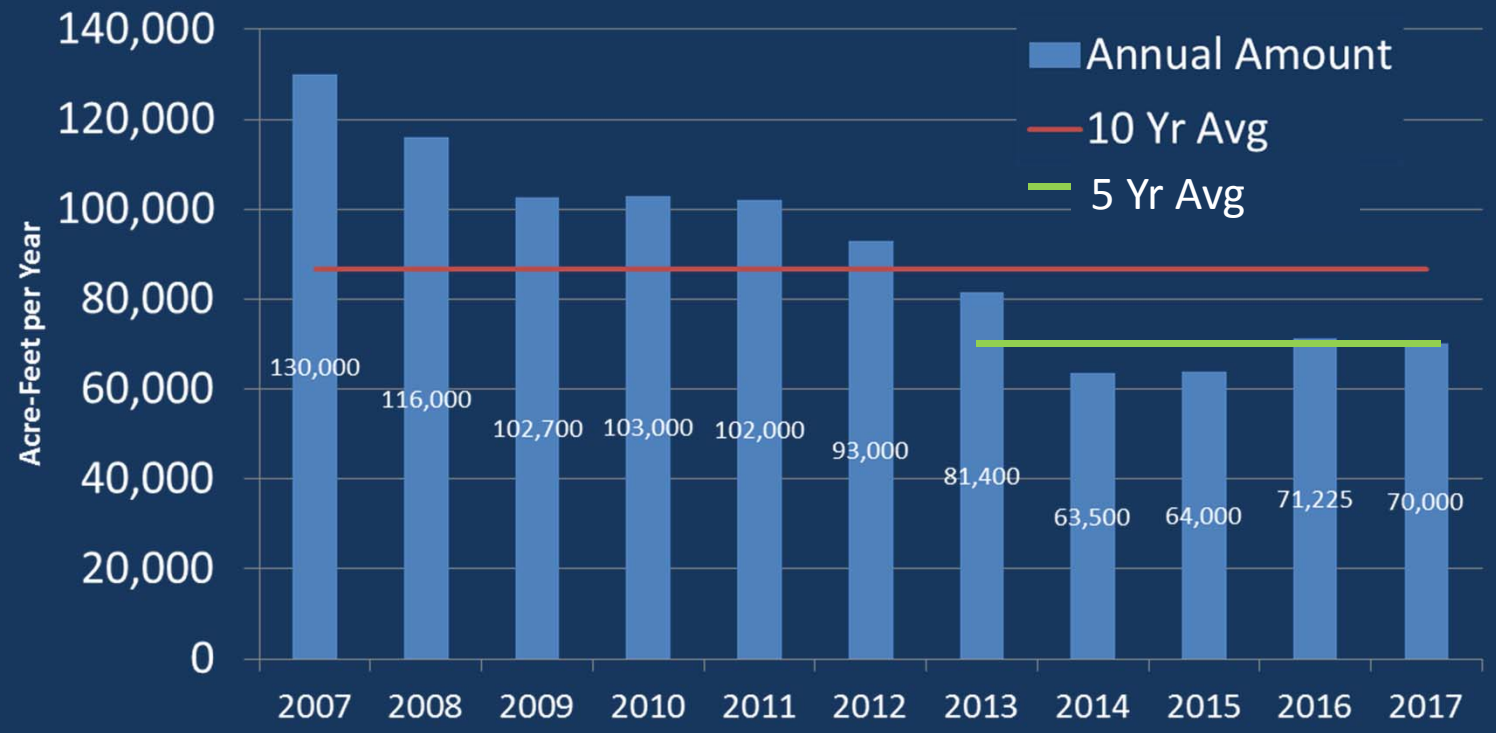
Maintain conservative basin approach

Cons – Cost of MWD water is increasing at ~ 3% annually;

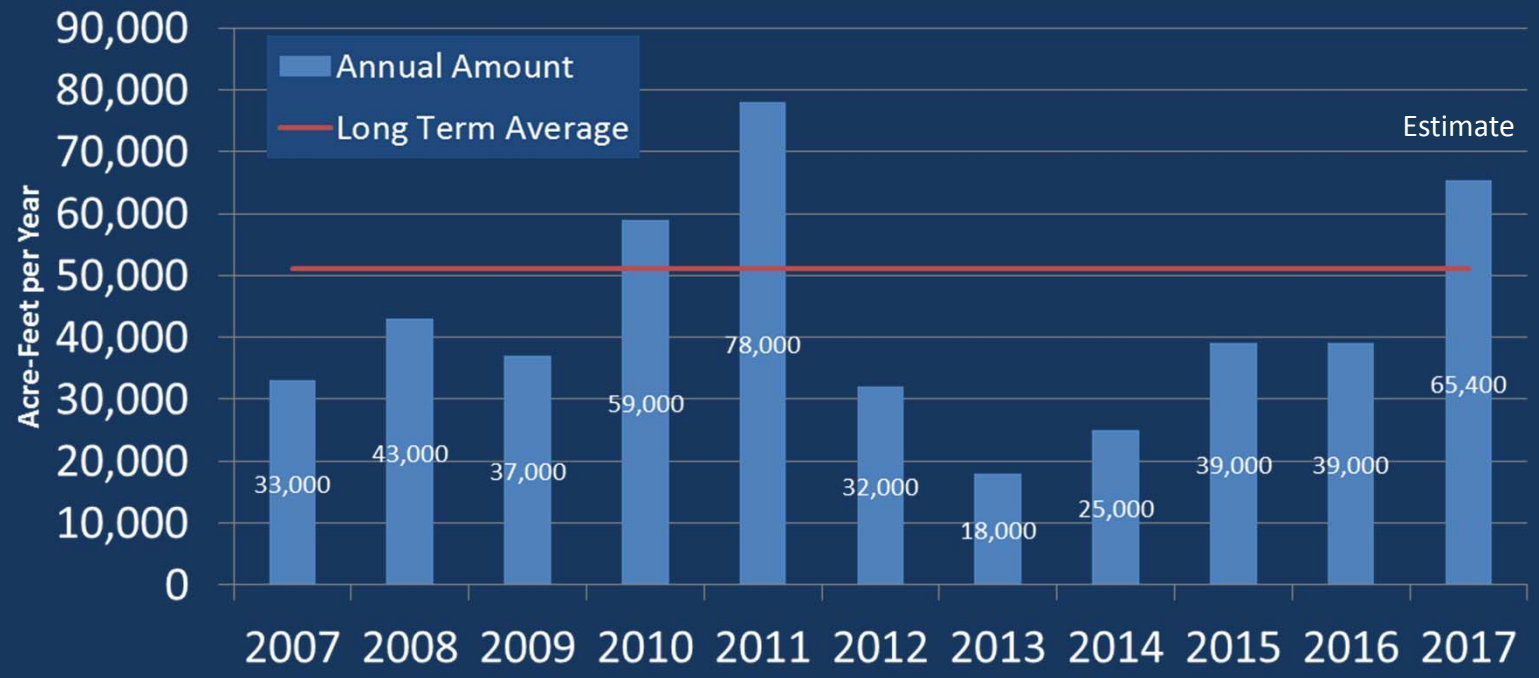
Water will cost additional $390,000 with delay

End of Presentation

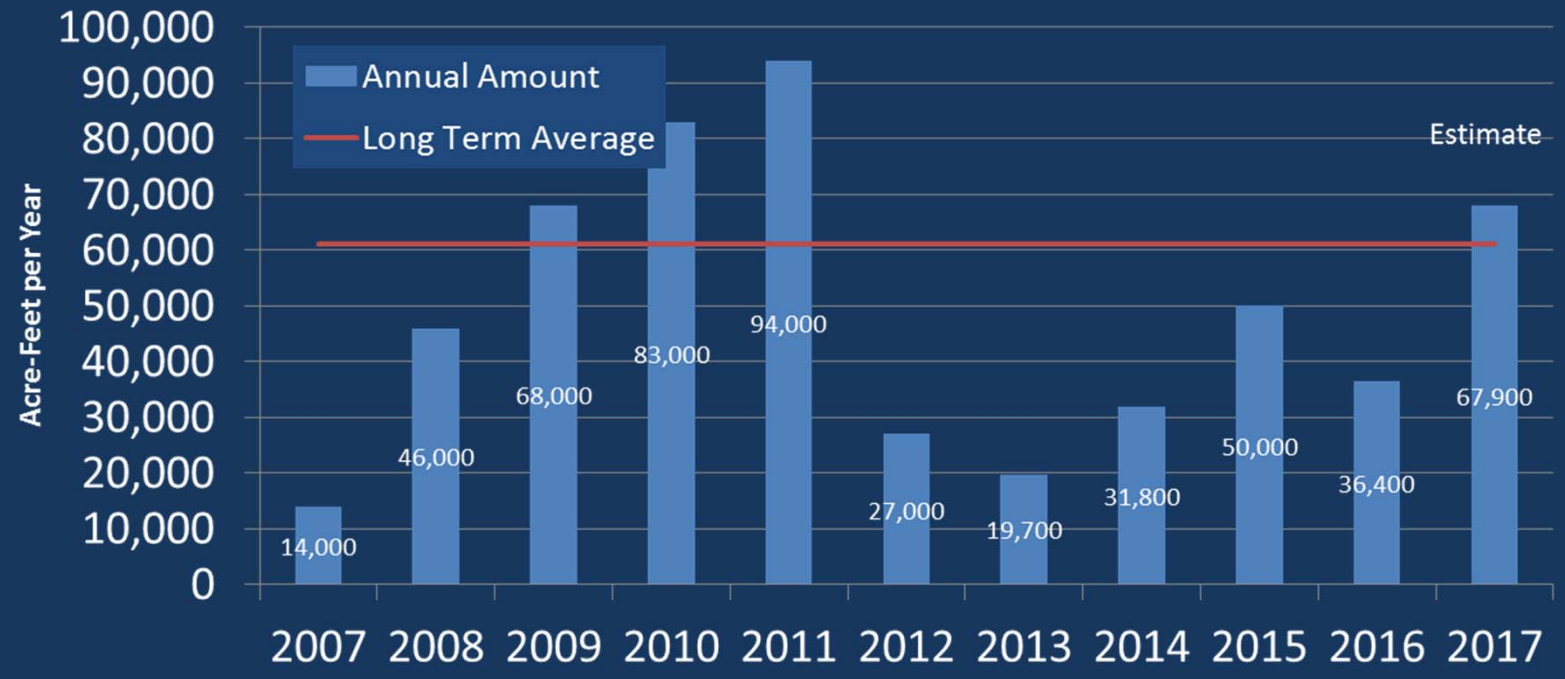
Captured SAR Base Flows



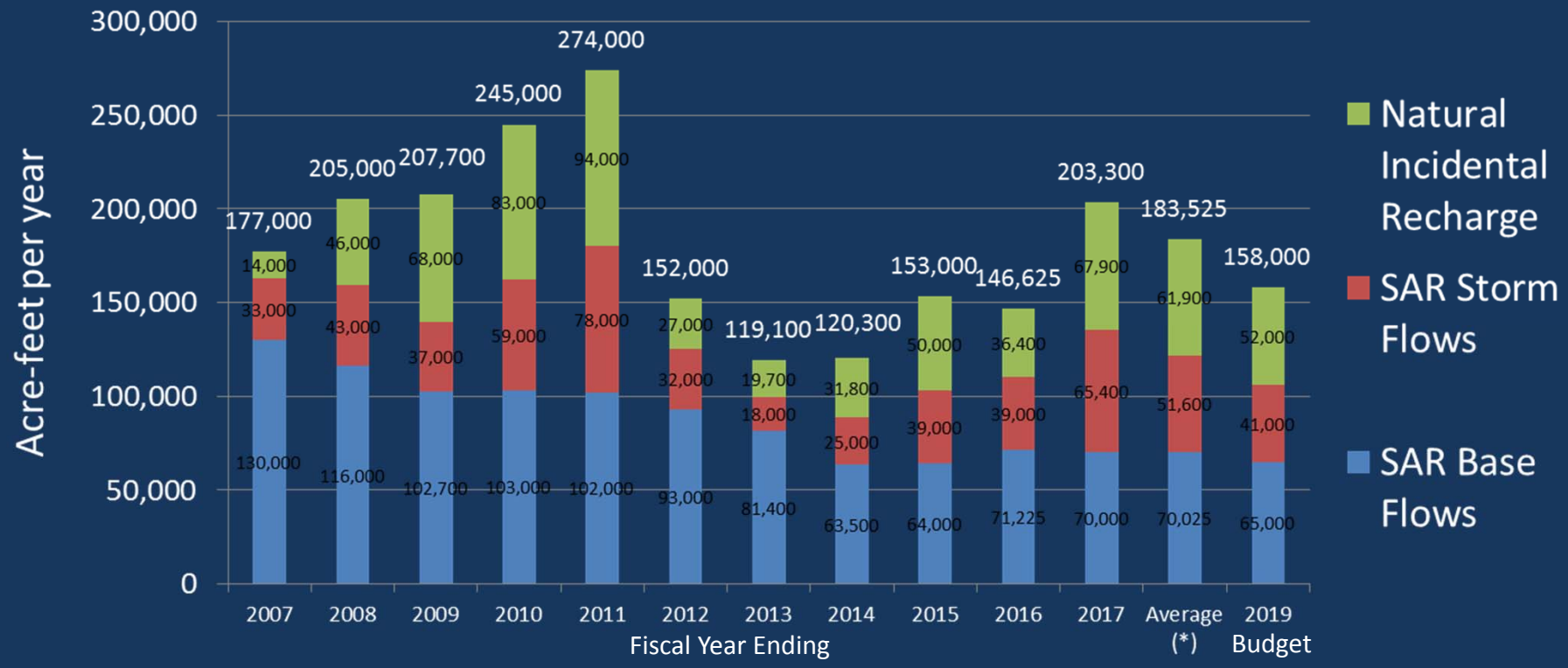
Captured SAR Storm Flows



Natural Incidental Recharge

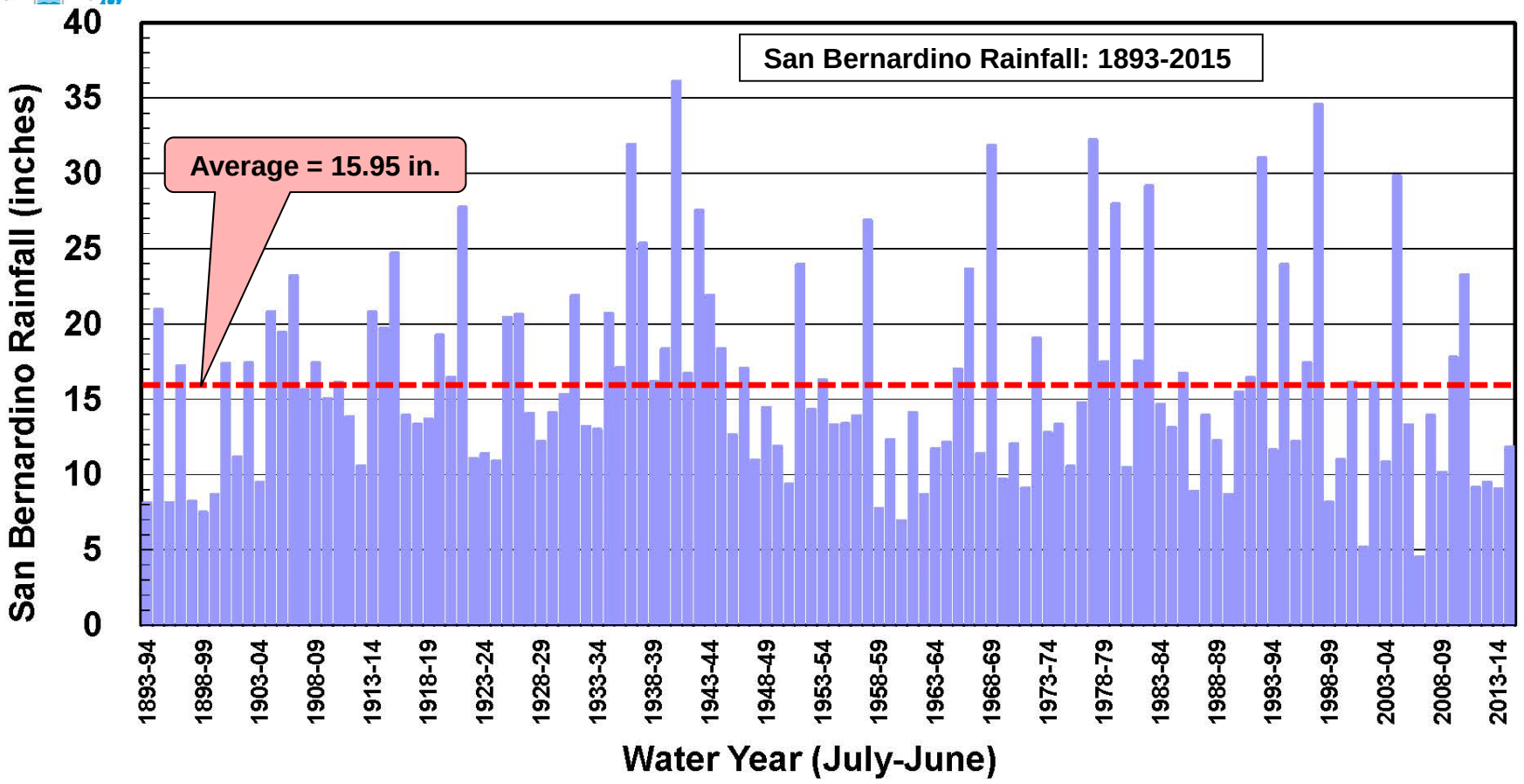


Historical SAR Base Flows, SAR Storm Flows & Natural Incidental Recharge

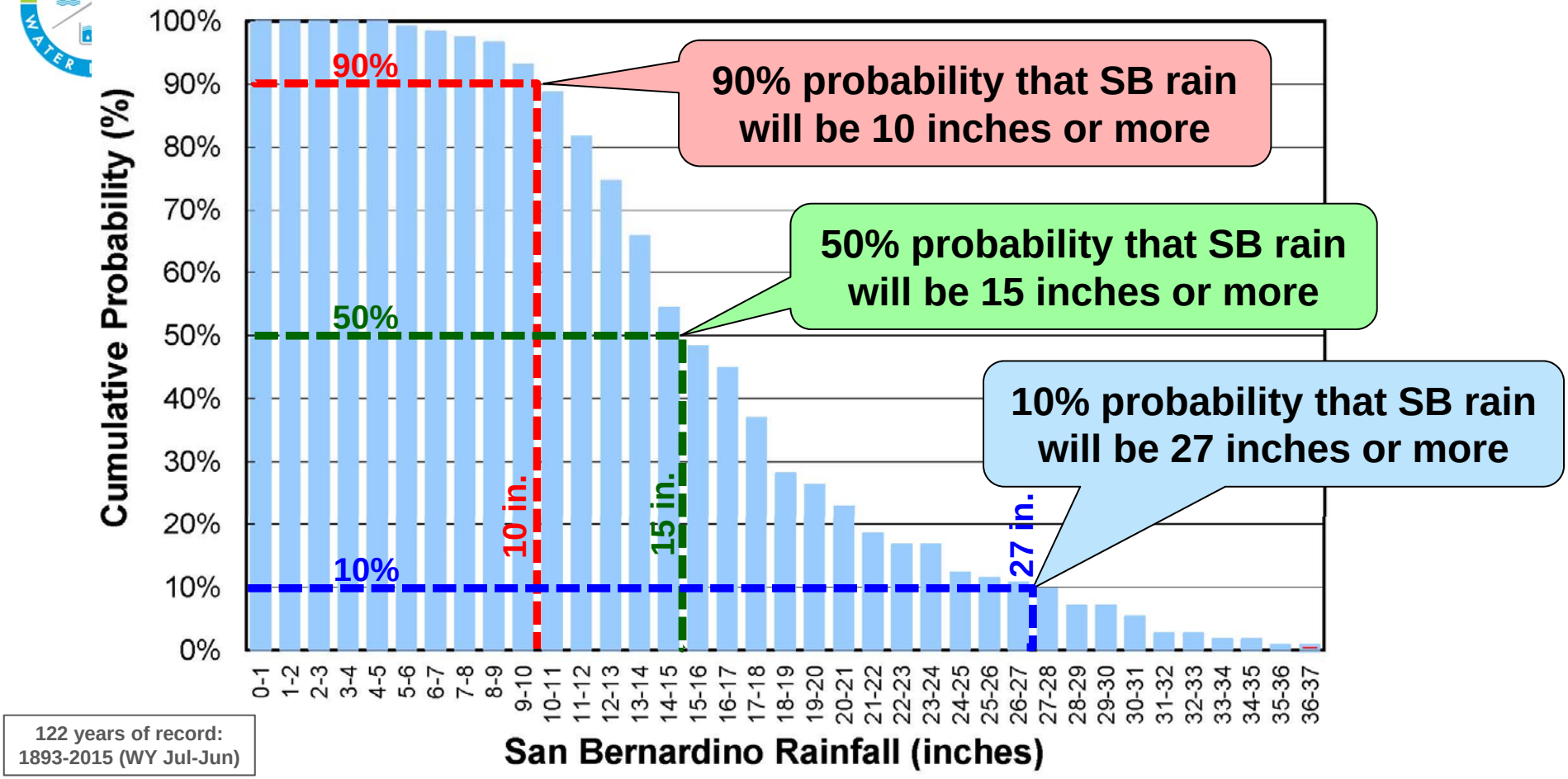


(*) Average for SAR Base flow is over past five years

122 years of San Bernardino rainfall used for probability analysis to correlate with SAR storm flows.

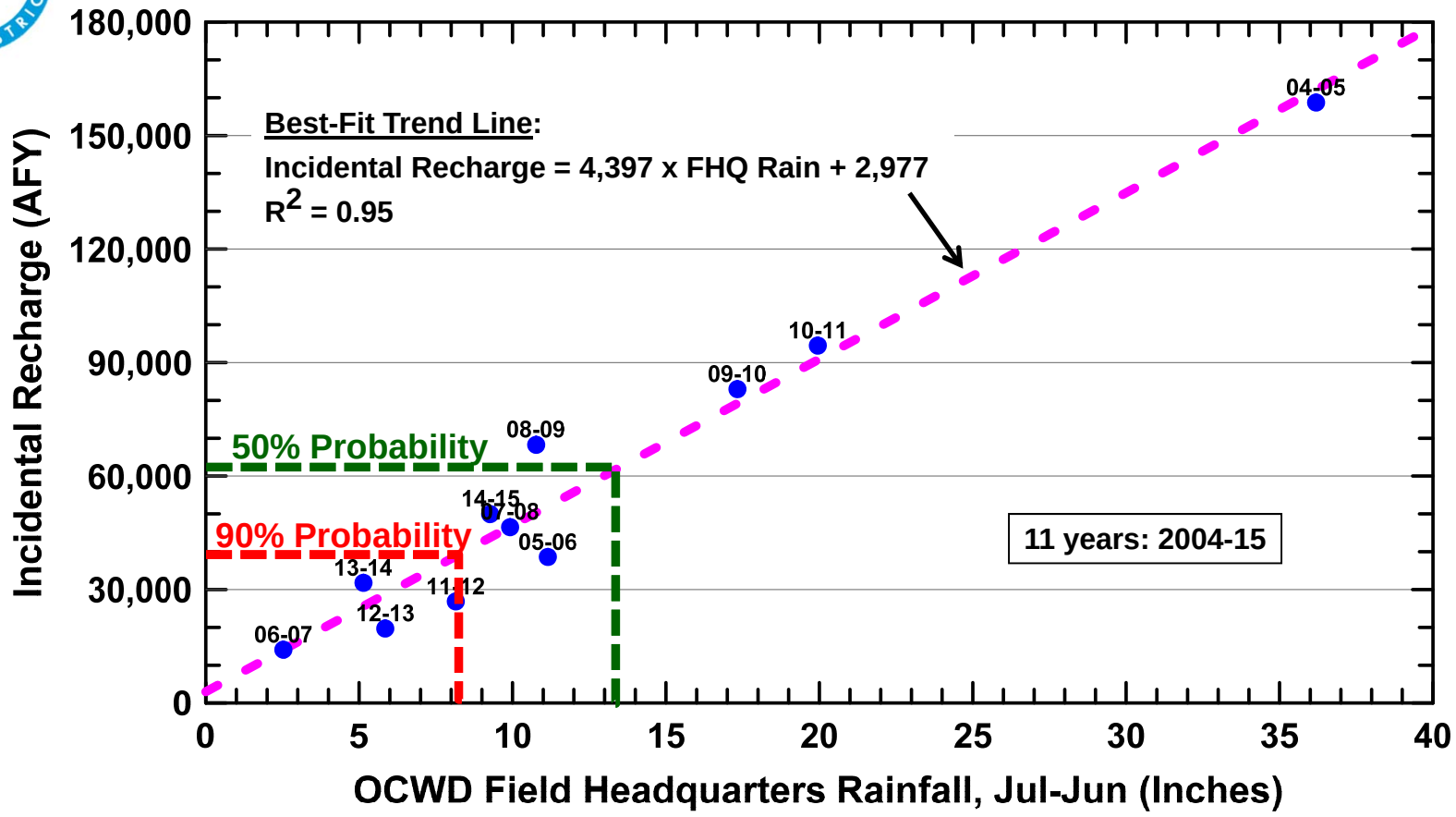


The cumulative probability function defines the statistical likelihood of exceeding the indicated rainfall amounts.

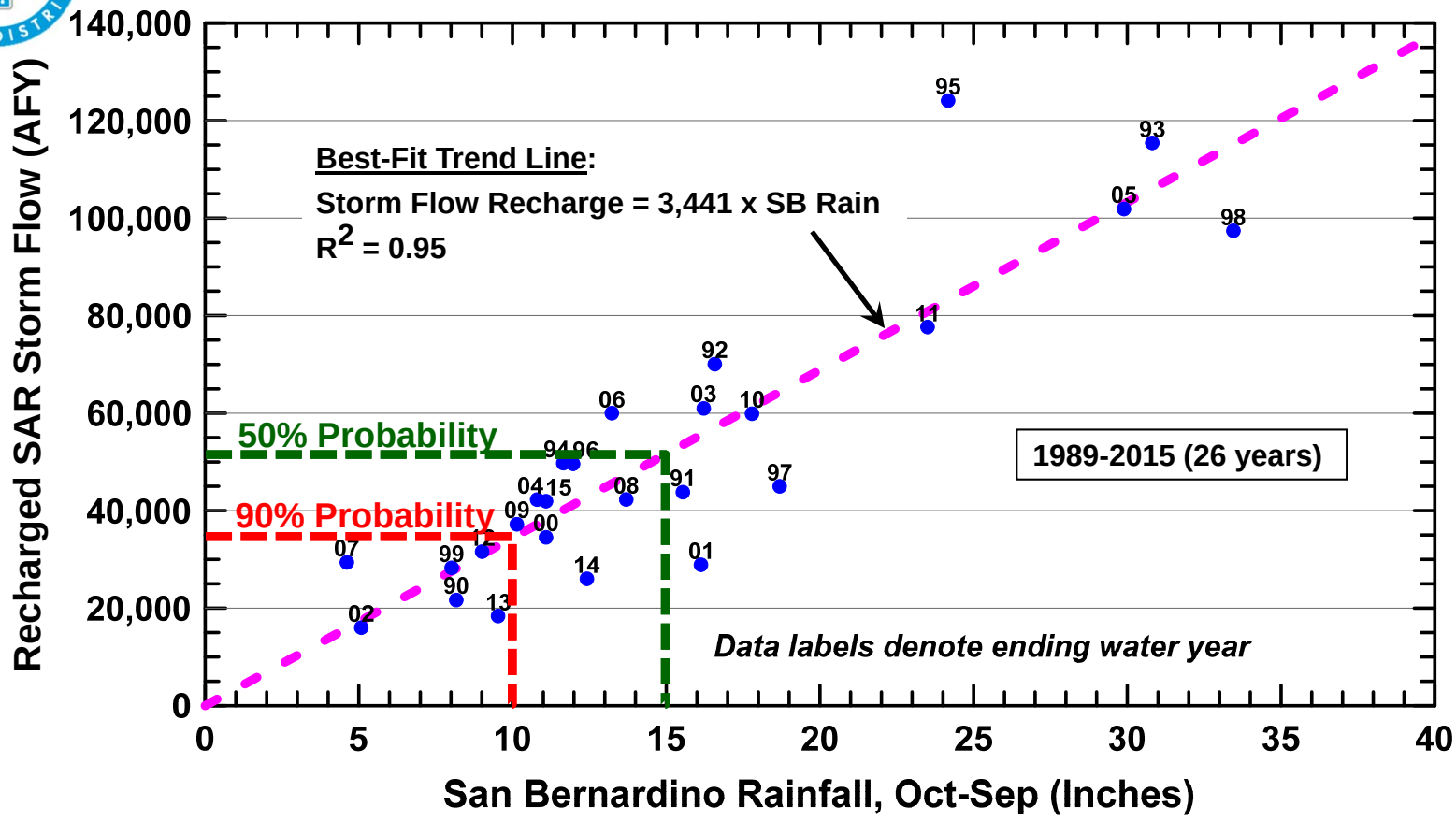


122 years of record:
1893-2015 (WY Jul-Jun)

Incidental Recharge estimated for different FHQ rainfall amounts based on their good fit.



SAR storm flow recharge estimated for different SB rainfall probabilities based on their historical correlation.



Incidental recharge and SAR storm flow recharge at various rainfall probabilities

Probability of Being Wetter	SB Rainfall (in)	FHQ Rainfall (in)	Incidental Recharge (AFY)	SAR Storm Flow Recharge (AFY)	Total (AFY)
90%	10	8.3	39,500	34,400	73,900
			52,000	41,000	
70%	13	11.4	53,100	44,700	97,800
50%	15	13.4	61,900	51,600	113,500
30%	18	16.5	75,500	61,900	137,400
10%	27	25.8	116,400	92,900	209,300

See slides 28-31 for greater detail

FY 2018-19 Budget Schedule

Date	Meeting	Topic
January 11, 2018	Admin/Finance Cte	Budget preparation overview and kick-off Provide preliminary BPP and RA estimates
March 7, 2018	Board	Present Draft Budget
March 14, 2018	Water Issues Cte	Review Water Budget Review Water Reserves
March 14, 2018	Producers	Present Draft Budget
March 15, 2018	Admin/Finance Cte	Review R&R Budget
April 11, 2018	Water Issues Cte	Review CIP Budget
April 12, 2018	Admin/Finance Cte	Review General Fund Budget
April 18, 2018	Board	Public Hearing to set RA & BPP Consideration to approve budget

FY2018-19 CIP Projects

Project	Amount
GWRS Final Expansion	$21,201,760
Mid Basin Injection	21,186,518
Prado Sediment Management	2,519,757
Prado Shooting Range Lead Remediation	1,527,939
North Basin RI Monitoring Wells	1,038,190
Sunset Gap Seawater Intrusion Monitoring Wells	1,000,000
Alamitos Seawater Barrier Improvements	554,838
West Orange County Wellfield (Design)	200,000
Burris Basin Outlet Tracer Study (Design)	150,000
Irrigation Connection to Yorba Linda WD Well 21	100,000
Continued	

FY2018-19 CIP Projects (Cont'd)

Project	Amount
Santa Ana River Infiltration System Piezometers	70,000
Conrock-Warner Transfer Tube (Design)	40,000
Total	$49,589,002

S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY

11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

REGULAR COMMISSION MEETING
TUESDAY, APRIL 3, 2018 – 9:30 A.M.

AGENDA

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE (Susan Lien Longville, Chair)

2. ROLL CALL

3. PUBLIC COMMENTS

Members of the public may address the Commission on items within the jurisdiction of the Commission; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

4. GOVERNMENT FINANCE OFFICERS ASSOCIATION (GFOA) ACHIEVEMENT AWARDS – FYE JUNE 30, 2017 | BIENNIUM BEGINNING JULY 1, 2017

- **Certificate of Achievement for Excellence in Financial Reporting**. This award is the highest form of recognition in governmental accounting and financial reporting, and its attainment represents a significant accomplishment by a government and its management.
- **Distinguished Budget Presentation Award.** This award represents a significant achievement by SAWPA. It reflects the commitment of SAWPA's governing body and staff in meeting the highest principles of governmental budgeting.

5. CONSENT CALENDAR

All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Commission by one motion as listed below.

A. APPROVAL OF MEETING MINUTES: MARCH 20, 2018
Recommendation: Approve as posted.

6. NEW BUSINESS

A. IMPLEMENTATION OF A PROPOSED WATERSHED SIGN SEARCH COMPETITION (CM#2018.35)
Presenter: Ian Achimore
Recommendation: Approve staff time and material costs of an amount not to exceed $9,000 associated with implementation of the proposed Santa Ana River Watershed Sign Search Competition.

B. UPDATE ON PA 22 COMMITTEE ACTIVITIES (CM#2018.36)
Presenter: Mark Norton
Recommendation: Receive and file.

7. INFORMATIONAL REPORTS

Recommendation: Receive for information.

A. UPDATE – BRINELINE OPERATIONS
Presenter: Carlos Quintero

B. CHAIR'S COMMENTS/REPORT

C. COMMISSIONERS' COMMENTS

D. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

8. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION PURSUANT TO GOVERNMENT CODE SECTION 54956.9(d)(1)
Name of Case: Spiniello Companies v. Charles King Company, Inc., Santa Ana Watershed Project Authority, The Ohio Casualty Insurance Company (Superior Court of Los Angeles BC616589)

B. PURSUANT TO GOVERNMENT CODE SECTION 54957.6 – CONFERENCE WITH LABOR NEGOTIATOR
SAWPA Designated Representative: General Manager Richard E. Haller
Non-Represented Employees: All SAWPA employees

9. ADJOURNMENT

Americans with Disabilities Act: If you require any special disability related accommodations to participate in this meeting, please call (951) 354-4230 or email kberry@sawpa.org. Notification at least 48 hours prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility for this meeting. Requests should specify the nature of the disability and the type of accommodation requested.

Materials related to an item on this agenda submitted to the Commission after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.org, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting
I, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Wednesday, March 28, 2018, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted at the SAWPA office, 11615 Sterling Avenue, Riverside, California.

/s/

Kelly Berry, CMC

2018 SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

(NOTE: Unless otherwise noticed, all Commission Workshops/Meetings begin at **9:30 a.m.**, and are held at SAWPA.)

January	**February**
1/2/18 ~~Commission Workshop~~ [cancelled] 1/16/18 Regular Commission Meeting	2/6/18 Commission Workshop 2/20/18 Regular Commission Meeting
March	**April**
3/6/18 Commission Workshop 3/20/18 Regular Commission Meeting	4/3/18 Commission Workshop 4/17/18 Regular Commission Meeting
May	**June**
5/1/18 Commission Workshop 5/8 – 5/11/18 ACWA Spring Conference, Sacramento 5/15/18 Regular Commission Meeting	6/5/18 Commission Workshop 6/19/18 Regular Commission Meeting
July	**August**
7/3/18 Commission Workshop 7/17/18 Regular Commission Meeting	8/7/18 Commission Workshop 8/21/18 Regular Commission Meeting
September	**October**
9/4/18 Commission Workshop 9/18/18 Regular Commission Meeting	10/2/18 Commission Workshop 10/16/18 Regular Commission Meeting
November	**December**
11/6/18 Commission Workshop 11/20/18 Regular Commission Meeting 11/27 – 11/30/18 ACWA Fall Conference, San Diego	12/4/18 Commission Workshop 12/18/18 Regular Commission Meeting

ACTION AGENDA
PROPERTY MANAGEMENT COMMITTEE MEETING
Friday, March 23, 2018, 12:00 p.m. Conference Room C-2

ROLL CALL	**ACTION**
Steve Sheldon James Vanderbilt Vicente Sarmiento (absent) Dina Nguyen Roger Yoh (absent) Alternates Phil Anthony (absent) Cathy Green Bruce Whitaker Shawn Dewane (absent) Denis Bilodeau	Quorum of Cte: Yes Quorum of Board: Yes
CONSENT CALENDAR (ITEMS NO. 1-2)	
1.MINUTES OF PROPERTY MANAGEMENT COMMITTEE MEETING HELD FEBRUARY 23, 2018 RECOMMENDATION: Approve minutes as presented	Approved
2. AGREEMENT WITH ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA) FOR THE ACQUISTION OF PROPERTY LOCATED AT THE EAST SIDE OF PACIFIC STREET AT SPENCER AVENUE FOR THE CALTRANS I-405 IMPROVEMENT PROJECT RECOMMENDATION: Agendize for April 4 Board meeting: Approve and authorize execution of Orange County Transportation Authority (OCTA) Right-Of-Way Contract, Grant Deed, and Temporary Construction Easement for the District's Deep Well 5 property located on the east side of Pacific Street at Spencer Avenue in Fountain Valley	Approved
END OF CONSENT CALENDAR	
MATTERS FOR CONSIDERATION	
3. GENTRY GOLF, INC. D.B.A THE ISLANDS GOLF CENTER AT BURRIS BASIN REQUEST TO RENEW LEASE RECOMMENDATION: Agendize for April 4 Board meeting: Direct staff as appropriate	**Committee Recommendation** **Direct staff to negotiate a one year lease extension with Gentry Golf, Inc. to commence when current lease expires**
4. CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) PROPERTY AT BURRIS BASIN AND GENTRY GOLF, INC. D.B.A. THE ISLANDS CENTER LEASEHOLD RECOMMENDATION: Agendize for April 4 Board meeting:	Approved
1) Authorize the General Manager to transmit a letter to Caltrans initiating the "decertification" process for studying the option of selling the 1.3 acres at Burris Basin;	
2) Approve an initial deposit of $35,000 to Caltrans to initiate the decertification process; and	
3) Approve additional funds of $10,000 for additional professional services, if required for the decertification process	

5. STATUS UPDATE ON THE GENERAL PLAN AMENDMENT AND ZONE CHANGE FOR THE BALL ROAD BASIN PROPERTY RECOMMENDATION: Agendize for April 4 Board meeting: Approve and authorize execution of agreement with Sagecrest Planning+Environmental for Land Entitlement and Government Relations Services to manage the entitlement process of Ball Road Basin for a fee not to exceed ~~$26,000~~	**Committee <u>Recommendation</u> Approve and authorize execution of agreement with Sagecrest Planning+Environmental for Land Entitlement and Government Relations Services to manage the entitlement process of Ball Road Basin for a fee not to exceed $5,000**
INFORMATIONAL ITEMS	
6. UNSOLICATED LETTER OF INTEREST FOR PROPERTY LOCATED AT 2424 N. BATAVIA STREET, ORANGE (SANDBAGGER LEASE PROPERTY)	Informational
7. DRAFT PROPERTY BOOK – "AT A GLANCE" SUMMARIES OF DISTRICT PROPERTIES	Informational
CHAIR DIRECTION AS TO ITEMS TO AGENDIZE AS MATTERS FOR CONSIDERATION AT THE APRIL 4 BOARD MEETING	**Consent: Item Nos. 2-5**
ADJOURNMENT	**12:45 p.m.**

ACTION AGENDA
MEETING OF THE RETIREMENT COMMITTEE
Tuesday, March 27, 2018 – 8:00 a.m.

ROLL CALL **DIRECTORS** Shawn Dewane Roger Yoh (absent) Phil Anthony (absent) **ALTERNATES** Bruce Whitaker James Vanderbilt (absent) Cathy Green (absent) Dina Nguyen (absent) Steve Sheldon (absent) Vicente Sarmiento (absent) Denis Bilodeau (absent) **STAFF MEMBERS** Jason Dadakis (absent) Phil Harrington **STAFF ALTERNATES** Dave Bolin (1st Alt) Vishav Sharma (2nd Alt) **EMPLOYEE ADVISORY COMMITTEE** John Bonsangue (absent) John Bruns Rita Hintlian Kevin O'Toole (absent) Jana Safarik Roy Herndon	**ACTIONS** Quorum of Cte: Yes Quorum of Board: No
ITEMS RECEIVED TOO LATE TO BE AGENDIZED	
CONSENT CALENDAR (ITEM NO. 1)	
1. MINUTES OF RETIREMENT COMMITTEE MEETING HELD ON JANUARY 23, 2018 RECOMMENDATION: Approve minutes as presented	Approved
END OF CONSENT CALENDAR	
MATTER FOR CONSIDERATION	
2. RETIREMENT COMMITTEE "EMPLOYEE" VACANCY APPOINTMENTS RECOMMENDATION: Agendize for April 4 Board Meeting: Approve the appointments of the following employees on the Retirement Committee: 1) Sitting Member – Vishav Sharma (appointed for a two year term); 2) First Alternate – Dave Bolin (re-appointed for a another one year term); and 3) Second Alternate – Kevin O'Toole (appointed for a one year term)	Approved
INFORMATIONAL ITEMS	
3.PRUDENTIAL 401(a) RETIREMENT AND 457(b) DEFERRED COMPENSATION PLAN SUMMARY REPORTS	Informational
4. PRUDENTIAL RETIREMENT PERFORMANCE INCENTIVE REVIEW	Informational
CHAIR DIRECTION AS TO WHICH ITEMS IF ANY TO BE AGENDIZED AS A CONSENT CALENDAR ITEM AT THE APRIL 4 BOARD MEETING	**Consent: Item No. 2**
ADJOURNMENT	**8:45 a.m.**