

# **Agenda**

## **Sacramento Suburban Water District Regular Board Meeting**

3701 Marconi Avenue, Suite 100  
Sacramento, California 95821

Monday, October 17, 2016  
6:30 p.m.

Where appropriate or deemed necessary, the Board may take action on any item listed on the agenda, including items listed as information items. Public documents relating to any open session item listed on this agenda that are distributed to all or a majority of the members of the Board of Directors less than 72 hours before the meeting are available for public inspection in the customer service area of the District's Administrative Office at the address listed above.

The public may address the Board concerning an agenda item either before or during the Board's consideration of that agenda item. Persons who wish to comment on either agenda or non-agenda items should fill out a Comment Card and give it to the General Manager. The President will call for comments at the appropriate time. Comments will be subject to reasonable time limits (3 minutes).

In compliance with the Americans with Disabilities Act, if you have a disability, and you need a disability-related modification or accommodation to participate in this meeting, then please contact Sacramento Suburban Water District Human Resources at 679.3972. Requests must be made as early as possible, and at least one full business day before the start of the meeting.

### **Call to Order**

### **Roll Call**

### **Announcements**

### **Public Comment**

This is the opportunity for the public to comment on non-agenda items within the Board's jurisdiction. Comments are limited to 3 minutes.

### **Consent Items**

The Board will be asked to approve all Consent Items at one time without discussion. Consent Items are expected to be routine and non-controversial. If any Board member, staff or interested person requests that an item be removed from the Consent Items, it will be considered with the action items.

1. Minutes of the September 16, 2016 Special Board Workshop  
*Recommendation: Approve subject minutes.*
  
2. Minutes of the September 19, 2016 Regular Board Meeting  
*Recommendation: Approve subject minutes.*

3. Facility Development Charge Setting Policy (PL – Fin 010)  
*Recommendation: Adopt subject policy.*
4. Employment Rules and Procedures Policy (PL – HR 001)  
*Recommendation: Adopt subject policy.*
5. Setting the Dates for January and February 2017 Regular Board Meetings  
*Recommendations: Schedule the January and February 2017 Regular Board Meeting to the fourth Monday of those months.*
6. Resolution No. 16-22 Amending District Conflict of Interest Code  
*Recommendation: Adopt subject resolution.*

#### **Items for Discussion and Action**

7. A Week in the Life of Field Services  
*Presentation on Field Services Department activities.*
8. Master Services Agreement 1 Year Extension For Main Replacements - Service Line Installation  
*Receive written staff report and direct staff as appropriate.*
9. Resolution No. 16-23 Opposition to Proposed Changes to County Paving Program  
*Recommendation: Adopt subject resolution.*
10. Resolution No. 16-24 Accepting Grant of Easement and Right of Way for 2701 – 2709 El Camino Avenue, APN 268-0280-056  
*Recommendation: Adopt subject resolution.*
11. Project Agreement with RWA for Grant Management Services for 2016 Prop 84 Sacramento Regional Water Efficiency Regional Water Conservation Measures Project  
*Receive written staff report and direct staff as appropriate.*
12. 2017 Budget and 2018 Forecast – Third Draft & Reserve Policy (PL – Fin 004)  
*Receive written staff report and direct staff as appropriate.*

#### **Information Items**

13. District Activity Report
  - a. Water Operations and Exceptions Report
  - b. Water Conservation and Regional Water Efficiency Program Report

- c. Customer Service Report
- d. Community Outreach Report
- 14. Engineering Report
  - a. Major Capital Improvement Projects
  - b. County and City Projects/Coordination
  - c. McClellan Business Park
  - d. Groundwater Quality Projects
  - e. Developer Projects
  - f. Planning Studies
  - g. Other
- 15. Financial Report
  - a. Financial Statements – September 2016
  - b. Investments Outstanding and Activity – September 2016
  - c. Cash Expenditures – September 2016
  - d. Credit Card Expenditures – September 2016
  - e. Directors Compensation and Expense Accounting – Through September 2016
  - f. Market Report Yields – January 2010 through September 2016
  - g. District Reserve Balances – September 2016
  - h. Information Required by Bond Agreement
- 16. Financial Markets Quarterly Report
- 17. Year-to-Date Interest Expense Quarterly Report
- 18. 2016 Lead and Copper Sampling Program

19. Well Efficiency Testing Annual Report
20. Supplemental CIP Funding Report
21. Human Resources Quarterly Report
22. CIP Projects Quarterly Report
23. Cal WaterFix Hearing Update
24. Legislative and Regulatory Update
25. General Manager's Report
  - a. 2017 Benefits Renewal Analysis for Vision, Dental and Life/Disability Insurance Plans
  - b. Wholesale Customer Increases from San Juan Water District
  - c. McClellan Update
  - d. Water Transfer – Bureau of Reclamation Update
  - e. Long Term Warren Act Contract Update
  - f. Drinking Water Fee Regulations Update
  - g. Local Agency Formation Commission (LAFCO) Application by SSWD and Carmichael Water District Report to Initiate Annexation/Detachment
26. Upcoming Policy Review
  - a. Debt Management Policy (PL – Fin 011)
27. Upcoming Water Industry Events

### **Committee Reports**

28. a. Facilities and Operations Committee (Director Locke)  
Notes from the September 30, 2016 Meeting.
- b. Finance and Audit Committee (Director Thomas)  
No report.

- c. Government Affairs Committee (Director Locke)  
No report.
- d. Ad Hoc Water Banking and Transfer Committee (Director Wichert)  
No report.

**Director's Reports (Per AB 1234, Directors will report on their meeting activities)**

- 29. a. Regional Water Authority (Director Thomas)  
No report.  
  
Regional Water Authority Executive Committee (General Manager Roscoe)  
No report.
- b. Sacramento Groundwater Authority (Director Schild)  
Agenda from the October 13, 2016 Meeting.
- c. Water Forum Successor Effort (General Manager Roscoe)  
No report.  
  
Carryover Storage Working Group Meetings  
No report.  
  
Water Forum Dry Year Conference Meeting  
No report.  
  
Water Caucus Meeting  
Agenda from the October 12, 2016 Meeting.
- d. Other Reports

**Miscellaneous Correspondence and General Information**

- 30. Correspondence received by the District
- 31. General Information

**Director's Comments/Staff Statements and Requests**

The Board and District staff may ask questions for clarification, and make brief announcements and comments, and Board members may request staff to report back on a matter, or direct staff to place a matter on a subsequent agenda.

**Closed Session (Closed Session Items are not opened to the public)**

None.

**Adjournment**

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**Upcoming Meetings**

Monday, November 21, 2016 at 6:30 p.m., Regular Board Meeting  
Friday, December 9, 2016 at 2:00 p.m., Facilities and Operations Meeting

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I certify that the foregoing agenda for the October 17, 2016 meeting of the Sacramento Suburban Water District Board of Directors was posted by October 12, 2016 in a publicly-accessible location at the Sacramento Suburban Water District office, 3701 Marconi Avenue, Suite 100, Sacramento, California, and was freely available to the public.

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Robert S. Roscoe  
General Manager/Secretary  
Sacramento Suburban Water District



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## Agenda Item: 14

**Date:** October 3, 2016

**Subject:** Engineering Report

**Staff Contact:** Mitchell S. Dion, Technical Services Director  
John E. Valdes, Engineering Manager

Described below are significant engineering department activities and milestones over the past month. The report is separated into the following sections: Major Capital Improvement Projects, County and City Projects/Coordination, McClellan Business Park, Groundwater Quality Projects, Developer Projects, Planning Studies and Other.

### A. Major Capital Improvement Projects

#### i. Production

##### **Rutland Well (#N39) Pumping Plant Construction**

With a "Temporary Authorization to Operate" letter dated September 9, 2016, the State Water Resources Control Board (SWRCB), Division of Drinking Water (DDW), gave the District approval to start pumping water into the system. All construction work is now completed with the exception of a couple of small change order items that came up during startup and some punch list items. Operator training was conducted on September 20, 2016. Startup of the well was anticipated that same day but there were a couple of control glitches that prevented this from happening. The control issues have now been resolved. The Notice of Completion will be filed once the punch list items are all resolved to the District's satisfaction. Note also that a neighbor to the well site has brought up an issue regarding site drainage. The neighbor is concerned that the new construction will alter historic drainage patterns. The site drainage design is currently being re-evaluated by the District's engineer, Wood Rodgers.

##### **Various Well Investigation and/or Rehabilitation Projects**

Some of the ongoing projects are discussed in more detail below:

Well #2A, El Prado/Park Estates – This project consists of raising an existing well pump/motor out of a below ground vault and other necessary improvements. General contractor Clyde G. Steagall, Inc. is under contract for this work. Actual on-site construction work began on September 19<sup>th</sup>. To date, the majority of the on-site demolition work has been completed which consisted of removal of the existing concrete vault (that houses the pump/motor), asphalt paving, and electrical equipment. The existing well pump has been pulled and the well has been videoed. The video will help determine if any well rehab work is required while the well is offline. The contractor has

also completed the well casing and gravel feed tube extensions. The contracted completion date for the project is January 12, 2017, although the majority of the work will be completed before the end of 2016.

Well #59A, Bainbridge/Holmes – The well is ready to be placed back into operation. However, District staff is waiting for a summary report from our engineer, Brown and Caldwell, on the well rehab work and modifications. In addition, a sound enclosure will need to be installed on the vertical turbine pump/motor to control noise.

Well #3A, Kubel/Armstrong – There has been no change in the status of this well. SMUD has initiated the upgrades to their system to support our planned work. A new 75 hp submersible pump has been delivered for this well. This well was scheduled to return to service in August 2016; however, SMUD has now rescheduled their work making it likely that this well will be returned to service in November.

Well #31A, Watt/Elkhorn – There has been no change in the status of this well. It is likely that the current source of sand is the result of high well entrance velocities caused by well screen perforation plugging. A recommendation on how to proceed has been obtained from the District's engineer, Brown and Caldwell. Because of the importance of this well and its location relative to existing storage and pumping facilities, a second opinion will be obtained.

Well #N8, Field – A consultant was selected and for oversight of the light rehab planned. The well will receive a brushing and flushing and new pump and motor installed. The well was taken out of service and required oil (food grade lubricating oil) was removed from casing. Over 200 gallons of pump oil were removed from the well. The motor and pump are not suited for returning to the well for even limited operations during balance of this summer.

Well #N15, Cabana – Levels of Trichloroethylene (TCE) above the maximum contaminant level (MCL) were detected. This contamination likely migrated only into the shallow aquifer from an as yet unidentified source. The District and consultant have surveyed State data base of known releases in the vicinity of the well without an apparent responsible party being identified. Continued effort will be pursued if design of renovation is pursued. Wood Rodgers provided a recommendation on possible rehabilitation and/or wellhead treatment. Price proposals were submitted to implement the recommended corrective measures. However, the high cost for restoration and possible unsatisfactory performance afterward mandates additional consideration of other alternatives.

Well #N25, Sutter – This well underwent rehab this summer and was provided a Variable Frequency Drive (VFD) which the District anticipated may cause additional noise for nearby home. A sound enclosure was order and has been installed on the vertical turbine pump/motor which significantly reduces noise. This is the second of this style enclosure deployed by the District to limit noise to acceptable levels on these small sites.



Well #13, Calderwood/Marconi – Recent complaints about noise from a residential neighbor resulted in a new sound enclosure being ordered. A new sound enclosure has now been installed to control noise from the vertical turbine pump/motor.

#### **Replacement Palm Well (#N6A)**

The District's consultant, Luhdorff and Scalmanini Consulting Engineers (LSCE), is providing design, bidding and construction management services for the construction of a replacement well at the District's Palm Well (#N6A) site. An Initial Study/Mitigated Negative Declaration to comply with the California Environmental Quality Act (CEQA) was adopted at a public hearing held at the August Board Meeting. The replacement well is anticipated to be constructed and operational by June 2017. A contract for drilling replacement well has been awarded to Roadrunner Drilling & Pump Company, Inc. A Notice to Proceed has been issued to Roadrunner with a start date of September 30<sup>th</sup>. Well drilling activities are scheduled to be completed by mid-November. Staff hosted a meeting with the neighbors on September 28<sup>th</sup> at the well site and is working to address noise, drainage and security issues. A culvert was installed to convey water along the frontage and avoiding the backup which was specifically cited as a concern by one neighbor.

### **ii. Distribution**

#### **Drayton Heights Phase 2 Main Replacement Project**

Doug Veerkamp General Engineering is down to the last 800 feet of pipe to be installed. They also have several tie-ins to complete after pipe testing is completed. To date, GM Construction has installed over 200 meters, over 250 service lines, and has completed 7 of the 10 construction phases. Overall, the construction work is approximately 80% complete (90% on main lines/65% on service lines). The project is currently on schedule and within budget.

#### **Keema Avenue Waterline Extension Project**

Construction work by Tetra-Tech is completed. Close-out documentation is underway.

#### **Edison Meadows Main Replacement Project**

This project has been put on hold until early 2017 due to the uncertainty of asphalt availability and weather conditions.

#### **Parkland Estates Main Replacement Project**

This project has been divided into two phases. The County of Sacramento intends to pave Eastern Avenue in the late spring of 2017. To avoid a pavement moratorium, the District will begin Phase 1 by installing approximately 3,000 feet of water mains in Eastern Avenue that will support the proposed water main project known as Parkland Estates, just east of Eastern Avenue. Work is anticipated to begin in mid to late-October and finish in December.

**Forensic Analysis of Failed PVC Pipe**

Final written reports have been received from Anamet, Inc. on the two samples of failed 12-inch PVC pipe that were shipped to them in July for forensic testing and analysis. Copies of these reports are available upon request.

**2016 Meter Retrofit WaterSMART Grant Project**

The District's contractor, Flowline Contractors, Inc. (Flowline), has completed this project. Construction work began on January 8, 2016. As of the end of September, all 896 services have been retrofitted with meters. Flowline's contract was for \$1,154,763 for the installation of the 896 meters.

**2016 Meter Retrofit CalFED Grant Project**

Flowline was awarded the contract in the amount of \$772,656 and the work is now completed. As of the end of September, all 614 scheduled services have been retrofitted with meters.

**B. County and City Projects/Coordination**

There is nothing to report this month.

**C. McClellan Business Park**

There is nothing to report this month.

**D. Groundwater Quality Projects**

**Local Groundwater Assistance Grant Project**

A final site inspection was conducted on September 15, 2016. During the final inspection, a couple of deficiencies were noted at the Eden/Root monitoring well that will require contractor (Roadrunner Drilling & Pump Company) to resolve. Staff and the District's consultant, Brown and Caldwell, continue to make progress on completing the required deliverables for this project per the Grant Funding Agreement with the Department of Water Resources (DWR).

**E. Developer Projects**

**General**

There are approximately 40 projects in various stages of the approval process within the District. The majority of these are commercial projects. Currently there are 22 projects approved by the District, 15 of which have started or are under construction, and 7 that are scheduled, but have not provided the required deliverables prior to start of construction.

During the month of September there were no projects approved for construction.

Total fees collected for CY 2016 are approximately \$312,391, of which Facilities Development Charges accounted for approximately \$242,083.

## **F. Planning Studies**

### **Water Master Plan Update**

Progress continues to be made by the District's consultant, Brown and Caldwell (B&C), on the Water Master Plan Update. The primary ongoing task is an evaluation of the District's future infrastructure needs. B&C has now prepared a Draft 15-year Capital Improvement Program (CIP). Based on the draft 15-year CIP, critical CIP needs include meter retrofits, an improved transmission main backbone system in the North Service Area (NSA) and consolidation of production campuses. B&C representatives made a presentation to the Facilities and Operations Committee on September 30, 2016. A Draft Water System Master Plan report is scheduled to be completed in November 2016.

## **G. Other**

### **Aerojet Superfund Issues Community Advisory Group Meeting**

A Community Advisory Group (CAG) meeting was held on September 21, 2016. Assistant General Manager, Dan York, and Engineering Manager, John Valdes, attended this meeting on behalf of the District. Director Kevin Thomas also attended the meeting. At this meeting, there was an Aerojet Community Update by Chris Fennessy of Aerojet; a review of the Operable Units (OU's) and Project Schedule by various attendees; a report on the status of the Environmental Protection Agency's (EPA) 5-Year Review by Julie Santiago-Ocasio and Lynn Keller, both with EPA; an update on the Area 40 Remedial Investigation by Chris Fennessy of Aerojet; and a Regional Board Aerojet Cleanup Overview by Alex MacDonald with the Central Valley Regional Water Quality Control Board (CVRWQCB). The next CAG meeting will be held on November 16, 2016.



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## Agenda Item: 15

**Date:** October 7, 2016

**Subject:** Financial Report

**Staff Contact:** Daniel A. Bills, Finance Director

Eight reports are attached for your information. They are:

- Financial Statements – September 2016
- Investments Outstanding and Activity – September 2016
- Cash Expenditures – September 2016
- Credit Card Expenditures – September 2016
- Directors Compensation and Expense Accounting – Through September 2016
- Market Report Yields – January 2010 through August 2016
- District Reserve Balances – September 2016
- Information Required by Bond Agreement

### Financial Statements

#### Balance Sheet:

District cash and cash equivalents increased to \$5.7 million as of September 30, 2016, up from \$3.1 million at year-end. Cash held in the District's bank accounts (\$4.2 million as of September 30) is held in accordance with state and federal regulations, which state that cash held in the District's bank accounts above the FDIC insured limits must be fully collateralized with government securities that are equal to or greater than 110% of the District's cash balance in the bank at any time.

Investments increased since year-end by \$0.7 million to a total of \$37.9 million, reflecting net unrealized market value gains and the reinvestment of interest received.

Capital assets grew \$13.3 million to \$442.2 million as of September 30, 2016, reflecting expenditures on distribution main replacement projects, well replacement projects, and meter retrofits. Capital assets are primarily funded by monthly remuneration from customers through "capital facilities charges," developer contributions, as well as grant funds, when available, and District reserves when necessary.

Net position stands at \$234.2 million as of September 30, 2016, compared to \$225.7 million at year-end for an increase of \$8.5 million.

Income Statement:

The net position increase of \$8.5 million in 2016, when compared to \$6.8 million for the same year-to-date period in 2015, shows:

1. Water Consumption Sales increased by \$1.4 million compared to the same period in 2015 due primarily to increased water deliveries as 23,805 acre-feet of water was delivered in the first nine months of 2016 compared to 21,831 acre-feet in 2015 for an increase of 9.0 percent. In addition to the increased income from water consumptions sale was a 4.0 percent rate increase that took effect at the beginning of 2016.
2. Capital Facility Charges increased by \$0.7 million in line with the 4.0 percent rate increase referred to above.
3. Operating expenses increased by \$2.0 million due primarily to the purchase of surface water in the North Service Area at a cost of \$1.8 million as surface water is available to the District this year. Partially offsetting the increased cost from purchasing surface water is a decrease of \$0.4 in groundwater pumping costs.
4. Interest and Investment income increased by \$0.2 million compared to the same period a year ago due primarily to the increase of unrealized market value gains on investments.
5. Facility Development Charges decreased by \$0.3 million compared to the same period a year ago as a large project in 2015 did not recur in 2016.
6. Increased developer contributions of \$0.3 million compared to the same period a year ago is attributable to the donations of water system infrastructure assets from many different developer sponsored projects.

Amended Budgets:

The District's operating and maintenance expenditures through September 2016 are less than the amended budget by \$0.5 million. Some of this positive variance is due to position vacancies as many positions have turned over during the year.

Operating capital project expenditures in September were \$10,519, bringing expenditures to-date of roughly \$0.4 million, with an additional \$0.3 million encumbered. The total amended budget for the year is \$1.0 million.

The District's amended capital improvement project (CIP) budget for 2016 is \$18.8 million. To date, \$12.1 million has been spent, while \$5.4 million is encumbered. Expenditures continue to be primarily in distribution system replacements, well improvements/replacements and meter retrofit projects.

#### Debt – September 2016

This report shows District activity in repaying its long-term debt obligations. Scheduled principal payments for 2016 are due in October. Total principal outstanding as of September 30, 2016 is \$89.6 million.

#### Investments Outstanding and Activity – September 2016

Reserve funds are invested in diverse investments that consist of corporate notes, Federal Agency bonds and discount notes, Supra-National Agency Bonds, U.S. Treasury bonds, notes and bills, collateralized mortgage obligations, commercial paper, municipal bonds, negotiable certificates of deposit, Asset-Backed Securities and LAIF (Local Agency Investment Fund). The District's investments are under the day-to-day management of PFM Asset Management, LLC (PFM). PFM manages the portfolio in compliance with the District's Investment Policy and provides monthly and quarterly reporting, analysis and proposes strategies for the District. The market portfolio is currently earning a rate of 1.38% per annum, while LAIF is earning 0.61% per annum. District staff monitors investment assets quarterly and reviews/approves the effective duration of the District's portfolio against its benchmark index on a quarterly basis as well.

During the month, the District purchased one US Treasury Note for \$0.7 million (par), one Agency Note for \$1.0 million (par) and one Asset-Backed Security for \$0.2 million (par) . The District sold one US Treasury Note for \$0.2 million (par), one Agency Note for \$0.9 million (par) and one Corporate Note for \$0.7 million (par). The District received principal paydowns on three Federal Agency Collateralized Mortgage Obligations of \$4,980 (par) and two Asset-Backed Security Obligations for \$18,859 (par). See "Investment Activity" section in the attached report for further details, including net gain (loss) on sale.

All investments are invested and accounted for in accordance with the District Investment Policy (PL - FIN 003) and Government Code.

#### Cash Expenditures – September 2016

During the month of September, the District made cash payments totaling \$3.4 million. The primary expenditures were – \$1.7 million for capital improvement projects, \$0.1 million for capital improvement and operating and maintenance inventory items, \$0.5 million for water costs including surface water costs, pumping and chemical costs, \$0.1 million for debt service, and \$0.7 million for payroll, pension and health benefits.

#### Purchasing Card Expenditures – September 2016

Per the District's Purchasing Card Policy (PL – FIN 006), a monthly report detailing each purchasing card transaction by cardholder is provided.

During the month, the District spent \$7,069 for various purchases on the six District purchasing cards. Details by vendor and purpose are included in this report.

#### Directors Compensation and Expense Accounting – September 2016

Director meetings attended during the month of September and expenses are attached in accordance with the District's Directors' Compensation and Expense Reimbursement Policy (PL

– BOD 003) and Government Code Section 53065.5. Directors who have not reported their meeting attendance to District staff are not included in this report and are expected to make an oral report at the Board meeting.

#### Market Report Yields – January 2010 through August 2016

The first page in this report shows current market rate data. The overall yield curve was increased compared to the prior month. The yield on 30-year Treasury Bonds increased 22 basis points compared to the prior month to 2.46% while short-term rate dropped 2 bps to 0.32%. The slope of the curve continues to remain steep in the 2 to 5 year range. Compared to one year ago, the 30-year Treasury bond yield was 2.90% while the short-term rate was at 0%. The Federal Reserve Target Rate increased by 25 basis points to 50 basis points compared to 25 basis points one year ago.

The second page in this section shows the holdings of the District's investment portfolio by maturity as a percentage of the total portfolio. The District's portfolio is compared to the Bank of America/Merrill Lynch UST Zero-to-5 year index (the District's benchmark index) for purposes of broadly illustrating the District's investment strategy in terms of its duration.

The final page shows the monthly (unannualized) returns of the District's portfolio relative to its benchmark index, as well as the annualized returns of the portfolio at month-end. This final page is an attempt to evaluate the District's portfolio strategy on a rate-return basis (as opposed to a total return or a risk basis) relative to the market.

#### District Reserve Fund Balances

The District's Reserve Policy, PL – Fin 004, requires the District to maintain a certain level of cash and investments on hand at any one time, as determined by the Board annually. Balances as of September 30, 2016 are \$47,144,634 compared to \$43,839,120 at December 31, 2015.

#### Information Required by Bond Agreement

Per Article 5.2 (b) of the 2009A COP Reimbursement Agreement with Sumitomo Mitsui Banking Corporation, year-to-date net revenues available for the payment of debt service costs and an estimate of debt service payments for the upcoming six months are provided.

**Financial Statements  
September 30, 2016**



**Sacramento Suburban Water District  
Balance Sheet**

As Of

	Month End 9/30/2016	Year End 12/31/15
<b>ASSETS</b>		
CURRENT ASSETS		
Cash and cash equivalents	\$5,705,428.12	\$3,107,756.76
Restricted Cash and cash equivalents	18,290.71	16,646.54
Accounts receivable, net of allowance for uncollectible accounts	2,326,237.63	2,303,487.73
Interest receivable	156,090.34	119,499.25
Restricted Interest receivable	8,031.96	10,807.97
Grants receivables	136,650.64	238,325.47
Other receivables		637,224.83
Inventory	475,196.77	484,946.83
Prepaid expenses and other assets	818,139.01	339,374.05
TOTAL CURRENT ASSETS	9,644,065.18	7,258,069.43
NONCURRENT ASSETS		
Investments	37,888,183.16	37,206,112.72
Restricted Investments	3,524,699.57	3,495,980.65
TOTAL NONCURRENT ASSETS	41,412,882.73	40,702,093.37
Property, plant and equipment	442,197,134.46	428,897,522.75
Accumulated depreciation	(157,974,519.28)	(149,076,072.93)
TOTAL CAPITAL ASSETS	284,222,615.18	279,821,449.82
<b>TOTAL ASSETS</b>	<b>335,279,563.09</b>	<b>327,781,612.62</b>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>		
Deferred amount on long-term debt refunding	7,481,995.13	7,964,338.07
Deferred outflow of effective swaps	765,224.00	765,224.00
Pension contribution subsequent to measurement date	414,789.00	546,726.00
<b>TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES</b>	<b>343,941,571.22</b>	<b>337,057,900.69</b>
<b>LIABILITIES</b>		
CURRENT LIABILITIES		
Current portion of long-term debt and capital leases	3,945,000.00	3,945,000.00
Accounts payable	495,906.46	2,341,285.19
Accrued interest	934,885.54	427,131.48
Deferred revenue and other liabilities	677,514.69	666,050.73
Accrued expenses	714,050.08	503,876.74
TOTAL CURRENT LIABILITIES	6,767,356.77	7,883,344.14
NONCURRENT LIABILITIES		
Long-term debt	94,664,250.98	95,148,711.88
Compensated absences	1,031,922.61	1,003,877.70
Net pension liability	5,722,018.00	5,722,018.00
Fair value of interest rate swaps	765,224.00	765,224.00
TOTAL NONCURRENT LIABILITIES	102,183,415.59	102,639,831.58
<b>TOTAL LIABILITIES</b>	<b>108,950,772.36</b>	<b>110,523,175.72</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>		
Employee pensions	798,534.00	798,534.00
<b>NET POSITION</b>		
Invested in capital assets, net of related debt	188,692,076.01	188,692,076.01
Restricted	3,523,435.16	3,523,435.16
Unrestricted	41,976,753.69	33,520,679.80
<b>TOTAL NET POSITION</b>	<b>234,192,264.86</b>	<b>225,736,190.97</b>
<b>TOTAL LIABILITIES, DEFERRED INFLOWS AND NET POSITION</b>	<b>343,941,571.22</b>	<b>337,057,900.69</b>

**Sacramento Suburban Water District  
Income Statement  
Period Ended**

	Month 9/30/2016	Year-To-Date 9/30/2016	Month 9/30/2015	Year-To-Date 9/30/2015
<b>OPERATING REVENUES</b>				
Water consumption sales	\$1,372,237.51	\$8,526,307.36	\$1,042,090.04	\$7,114,887.00
Water service charge	530,301.22	4,726,962.38	530,833.38	4,745,589.68
Capital facilities charge	1,882,682.44	16,644,084.00	1,805,489.84	15,953,814.17
Wheeling water charge	550.45	165,660.16	664.65	4,775.49
Other charges for services	85,058.35	725,995.62	79,711.84	744,119.23
<b>TOTAL OPERATING REVENUES</b>	<b>3,870,829.97</b>	<b>30,789,009.52</b>	<b>3,458,789.75</b>	<b>28,563,185.57</b>
<b>OPERATING EXPENSES</b>				
Source of supply	304,731.38	1,847,238.50	4,228.75	39,923.97
Pumping	343,350.90	2,807,316.02	342,400.29	3,191,398.01
Transmission and distribution	276,478.20	2,512,191.08	228,316.95	1,982,548.88
Water conservation	37,101.49	321,181.48	60,644.13	454,953.12
Customer accounts	113,745.75	847,989.60	89,048.14	851,744.29
Administrative and general	564,612.34	4,563,533.23	499,775.95	4,337,979.03
<b>TOTAL OPERATING EXPENSES</b>	<b>1,640,020.06</b>	<b>12,899,449.91</b>	<b>1,224,414.21</b>	<b>10,858,547.30</b>
Operating income before depreciation	2,230,809.91	17,889,559.61	2,234,375.54	17,704,638.27
Depreciation and amortization	(987,776.12)	(8,898,446.35)	(941,744.10)	(8,508,758.63)
<b>OPERATING INCOME</b>	<b>1,243,033.79</b>	<b>8,991,113.26</b>	<b>1,292,631.44</b>	<b>9,195,879.64</b>
<b>NON-OPERATING REV. (EXP.)</b>				
Rental income	15,330.55	194,145.25	21,610.09	191,858.59
Interest and investment income	50,441.81	788,434.35	154,373.84	555,213.49
Interest expense	(300,551.10)	(2,698,381.62)	(276,015.35)	(2,711,207.50)
Other non-operating revenues	572.57	7,971.32	9,642.84	30,283.82
Grant revenue pass-through to sub recipients		729,874.28		
Other non-operating expenses		6.33	1.00	(97.89)
Sub recipient grant expenses		(729,874.28)		
Gain(loss) on disposal of capital				6,251.53
<b>NON-OPERATING REV. (EXP.)</b>	<b>(234,206.17)</b>	<b>(1,707,824.37)</b>	<b>(90,387.58)</b>	<b>(1,927,697.96)</b>
<b>NET INCOME (LOSS) BEFORE</b>	<b>1,008,827.62</b>	<b>7,283,288.89</b>	<b>1,202,243.86</b>	<b>7,268,181.68</b>
<b>CAPITAL CONTRIBUTIONS</b>				
Facility development charges	2,050.00	249,420.00	8,322.00	532,258.00
Developer contributions		773,540.00	426,499.99	426,499.99
Federal, state and local capital grants		149,825.00		171,171.61
<b>TOTAL CAPITAL CONTRIBUTIONS</b>	<b>2,050.00</b>	<b>1,172,785.00</b>	<b>434,821.99</b>	<b>1,129,929.60</b>
<b>CHANGE IN NET POSITION</b>	<b>1,010,877.62</b>	<b>8,456,073.89</b>	<b>1,637,065.85</b>	<b>8,398,111.28</b>
Net position at beginning of period	233,181,387.24	225,736,190.97	227,082,971.01	220,321,925.58
<b>NET POSITION AT END OF PERIOD</b>	<b>\$234,192,264.86</b>	<b>\$234,192,264.86</b>	<b>\$228,720,036.86</b>	<b>\$ 228,720,036.86</b>

**Sacramento Suburban Water District  
Operations and Maintenance Budget  
Period Ended**

	<i>Month Of September</i>			<i>2016 YTD</i>		
	<u>Actual</u>	<u>Budget</u>	<u>Variance</u>	<u>Actual</u>	<u>Budget</u>	<u>Variance</u>
<b>BUDGETED OPERATING EXPENSES</b>						
Board of Directors	\$2,585.26	\$2,792.71	\$207.45	\$30,691.12	\$38,302.39	\$7,611.27
Administrative	178,987.64	199,424.95	20,437.31	1,444,452.54	1,502,236.55	57,784.01
Finance	87,105.06	78,257.47	(8,847.59)	761,778.20	790,117.23	28,339.03
Customer Services	113,745.75	105,902.88	(7,842.87)	847,989.60	890,775.92	42,786.32
Field Operations	42,880.65	33,067.85	(9,812.80)	281,290.53	302,610.65	21,320.12
Production	648,082.28	549,426.23	(98,656.05)	4,654,554.52	4,565,336.07	(89,218.45)
Distribution	149,523.72	216,178.65	66,654.93	1,529,551.90	1,673,807.85	144,255.95
4 Field Services	126,954.48	94,772.28	(32,182.20)	981,740.18	861,335.52	(120,404.66)
Maintenance	48,917.71	51,829.27	2,911.56	447,374.64	466,462.99	19,088.35
Water Conservation	37,101.49	46,493.98	9,392.49	321,181.48	390,945.82	69,764.34
Engineering	104,478.88	92,529.42	(11,949.46)	670,607.89	833,449.78	162,841.89
GIS/CAD	36,218.44	28,433.59	(7,784.85)	249,995.98	262,402.31	12,406.33
Human Resources	16,972.05	11,831.32	(5,140.73)	132,733.61	176,161.88	43,428.27
MIS	46,466.65	62,251.61	15,784.96	545,507.72	605,640.49	60,132.77
<b>TOTAL OPERATING EXPENSES</b>	<u><u>1,640,020.06</u></u>	<u><u>1,573,192.21</u></u>	<u><u>(66,827.85)</u></u>	<u><u>12,899,449.91</u></u>	<u><u>13,359,585.45</u></u>	<u><u>460,135.54</u></u>

SACRAMENTO SUBURBAN WATER DISTRICT  
OPERATING CAPITAL AMENDED BUDGET  
9/30/2016

Project Number	Project Name	Original Budget	Budget Amendments	Amended Budget	Current Month Expenditures	Expenditures Year-To-Date	Committed Year-To-Date	Remaining Balance
SF16-344	2015 URBAN MASTER PLAN	\$42,000.00		\$42,000.00		\$ 20,992.87		\$ 21,007.13
SF16-345	UPDATE WATER SYS MASTER PLAN	\$73,000.00	\$61,000.00 <sup>1</sup>	\$134,000.00 <sup>1</sup>		59,722.70	23,531.55	50,745.75
SF16-371	OFFICE FURNITURE SUITE 200	\$5,000.00		\$5,000.00		567.47		4,432.53
SF16-372	OFFICE FURNITURE WALNUT	\$10,000.00		\$10,000.00		8,842.62		1,157.38
SF16-373	BOARD ROOM WALL MAPS	\$5,000.00		\$5,000.00		-		5,000.00
SF16-374	NEW VEHICLE-FIELD SERVICE DEPT	\$45,000.00		\$45,000.00		-	46,191.00	(1,191.00)
SF16-375	VEH REPL/ RIGHT SIZE TRUCK#32	\$124,000.00	\$10,000.00 <sup>2</sup>	\$134,000.00 <sup>2</sup>		-	133,282.00	718.00
SF16-376	VEH REPL-TRUCK# 26	\$33,500.00		\$33,500.00		28,716.89		4,783.11
SF16-377	VEH REPL/RIGHT SIZE -TRUCK# 13	\$33,500.00		\$33,500.00		32,651.49		848.51
SF16-378	ASPHALT REPAIR/REPL-WELL SITES	\$35,500.00		\$35,500.00	10,065.00	35,035.07		464.93
SF16-379	PROD METERS REPL/MAGMETERS	\$15,000.00		\$15,000.00	454.41	11,437.89		3,562.11
SF16-380	NOMAD 360/AREA SPOTET LIGHT	\$4,000.00		\$4,000.00		3,658.18		341.82
SF16-381	METER VAULT LID RETROFIT	\$10,500.00		\$10,500.00		-		10,500.00
SF16-382	WATER CONSERV -MASTER PLAN	\$45,000.00	(\$45,000.00) <sup>2</sup>	\$0.00 <sup>2</sup>		-		-
SF16-383	REMODEL CUSTOMER SERV AREA	\$35,000.00	\$30,000.00 <sup>2</sup>	\$65,000.00 <sup>2</sup>		43,386.44	21,793.39	(179.83)
SF16-384	REPL EXT/GARAGE LIGHTING-LED	\$20,000.00	(\$3,000.00) <sup>3</sup>	\$17,000.00 <sup>3</sup>		14,486.47	1,648.53	865.00
SF16-385	IN STL 5 CAMERAS @ WALNUT	\$20,000.00	\$3,000.00 <sup>3</sup>	\$23,000.00 <sup>3</sup>		-	21,588.00	1,412.00
SF16-386	REPL CAMERAS @ MARCONI	\$6,000.00		\$6,000.00		-		6,000.00
SF16-387	HVAC/ROOF/BUILD REPAIRS	\$30,000.00		\$30,000.00		3,600.00	21,116.00	5,284.00
SF16-388	BUILD & STRUCTURES MAINTENANCE	\$95,000.00	\$5,000.00 <sup>2</sup>	\$100,000.00 <sup>2</sup>		71,520.00	27,180.00	1,300.00
SF16-389	HARDWARE REFRESH	\$170,000.00	(\$65,000.00) <sup>1</sup>	\$105,000.00 <sup>1</sup>		53,715.43	22,513.44	28,771.13
SF16-390	SOFTWARE ENHANCEMENTS/MODULES	\$115,000.00		\$115,000.00		20,720.00	13,560.00	80,720.00
SF16-391	TRIMBLE HANHELD COMPUTR-FIELD	\$6,000.00		\$6,000.00		4,650.00		1,350.00
SF16-392	WEB SITE UPGRAGE	\$35,000.00	(\$35,000.00) <sup>1</sup>	\$0.00 <sup>1</sup>		-		-
SF16-393	GPS ASSET LOCATION PROJECT	\$75,000.00	(\$75,000.00) <sup>1</sup>	\$0.00 <sup>1</sup>		-		-
		<b>\$ 1,088,000.00</b>	<b>\$ (114,000.00)</b>	<b>\$ 974,000.00</b>	<b>\$ 10,519.41</b>	<b>\$ 413,703.52</b>	<b>\$ 332,403.91</b>	<b>\$ 227,892.57</b>

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**Sacramento Suburban Water District  
Capital Improvement Project Amended Budget  
9/30/2016**

Project No.	Project Name	Original Budget	Amended Budget	Current Month Expenditures	Expenditures Year-To-Date	Committed Year-To-Date	Remaining Balance	
SC16-007	GROUNDWTR MONITORING/MODELING	\$50,000.00	\$200,000.00 <sup>1</sup>	\$ 220,449.81	\$ 242,221.29	\$ 8,717.71	\$(939.00)	
SC16-009	WELL REHAB/PUMP ST IMPROVEMENT	\$890,000.00	\$841,560.00 <sup>2,3,4</sup>	\$65,263.30	783,511.64	540,095.27	407,953.09	
SC16-010	SCADA RTU/COMMUN IMPROVEMENT	\$200,000.00	\$(88,000.00) <sup>3</sup>	6,385.00	69,847.81	37,158.00	4,994.19	
SC16-011	WELLHEAD TREATMENT/CHEM FEED	\$370,000.00	\$(100,000.00) <sup>3</sup>	3,046.99	71,332.23	180,503.77	18,164.00	
SC16-012	WELL REPLACEMENTS	\$2,600,000.00	\$420,000.00 <sup>4</sup>	33,494.90	2,308,886.41	563,910.75	147,202.84	
SC16-013	ELEC ARC FLASH MOD @ WELL SITES	\$330,000.00	\$330,000.00	-	134,132.76	54,485.24	141,382.00	
SC16-018	DISTRIBUTION MAIN REPLACEMENTS	\$8,420,000.00	\$173,500.00 <sup>2,6</sup>	849,527.64	5,476,446.78	3,096,178.15	20,875.07	
SC16-019	DIST MAIN IMPRV/EXT/INTERTIES	\$775,000.00	\$26,500.00 <sup>6</sup>	255,172.02	473,410.75	328,091.57	(2.32)	
SC16-022	LOWERING/RAISING VALVE BOXES	\$150,000.00	\$(24,000.00) <sup>2,3</sup>	29,763.26	106,667.01	17,523.74	1,809.25	
SC16-024	METER RETROFIT PROGRAM	\$1,900,000.00	\$(63,300.00) <sup>3</sup>	275,059.00	1,516,017.35	320,682.00	0.65	
SC16-024A	VOLUNTARY METER RETROFIT PROGRAM	\$75,000.00	\$75,000.00	3,963.32	26,022.65	3,700.00	45,277.35	
SC16-027	DISTRIB MAJOR REPAIRS	\$350,000.00	\$350,000.00	-	256,771.55	11,424.00	81,804.45	
SC16-028	DISTRIB SYSTEM IMPRV	\$375,000.00	\$(375,000.00) <sup>5</sup>	\$0.00	-	-	-	
SC16-034	RESERVIOR/TANK IMPROVMENT	\$200,000.00	\$200,000.00	-	36,759.54	61,062.00	102,178.46	
SC16-034A	CORROSION CONTRL/TRANSMISSION MAINT	\$450,000.00	\$(300,000.00) <sup>2</sup>	\$150,000.00	6,225.00	8,670.97	135,104.03	
SC16-035	PROFESSIONAL/SPECIAL PROJ	\$100,000.00	\$(10,560.00) <sup>3</sup>	\$89,440.00	54,291.70	-	35,148.30	
SC16-038	LARGE WTR METER >3" REPL	\$140,000.00	\$140,000.00	10,384.00	94,951.17	33,116.00	11,932.83	
SC16-039	FIRE HYDRANT REPL/REHAB/ADD	\$200,000.00	\$(200,000.00) <sup>5</sup>	\$0.00	-	-	-	
SC16-040	ENGINE GENERATOR COMPLIANCE	\$75,000.00	\$(20,700.00) <sup>3</sup>	\$54,300.00	53,091.93	1,205.00	3.07	
SC16-042	METER REPLACE/REPAIR - WMP	\$558,000.00	\$558,000.00	-	391,289.63	144,255.00	22,455.37	
SC16-044	CAPITAL IMPRV CTP(SJWD AGREEMENT)	\$7,000.00	\$7,000.00	-	-	-	7,000.00	
SC16-045	ENTERPRISE INTERTIE IMPROVEMENT	\$180,000.00	\$(79,000.00) <sup>1</sup>	\$101,000.00	-	-	101,000.00	
<b>Totals SSWD</b>		<b>\$ 18,395,000.00</b>	<b>\$ 401,000.00</b>	<b>\$ 18,796,000.00</b>	<b>\$ 1,752,509.24</b>	<b>\$ 12,101,877.20</b>	<b>\$ 5,410,779.17</b>	<b>\$ 1,283,343.63</b>

**Sacramento Suburban Water District  
Debt  
9/30/2016**

**Current Month**

	Series 2009A COP	Series 2009B COP	Series 2012A	Total
Beginning Balance	\$ 42,000,000	\$ 26,045,000	\$ 21,515,000	\$ 89,560,000
Additions:				-
Reductions: Payment	-			-
Ending Balance	<u>\$ 42,000,000</u>	<u>\$ 26,045,000</u>	<u>\$ 21,515,000</u>	<u>\$ 89,560,000</u>

**Year-To-Date**

	Series 2009A COP	Series 2009B COP	Series 2012A	Total
Beginning Balance	\$ 42,000,000	\$ 26,045,000	\$ 21,515,000	\$ 89,560,000
Additions:				-
Reductions: Payment	-	-	-	-
Ending Balance	<u>\$ 42,000,000</u>	<u>\$ 26,045,000</u>	<u>\$ 21,515,000</u>	<u>\$ 89,560,000</u>

**Investments Outstanding and Activity  
September 2016**

SACRAMENTO SUBURBAN WATER DISTRICT  
INVESTMENTS OUTSTANDING - OPERATING FUND

Detail of Securities Held:

MONTH END: September 30, 2016

SECURITY TYPE	CUSIP	DESCRIPTION	PAR	COUPON	MATURITY DATE	S&P RATING	TRADE DATE	SETTLE DATE	ORIGINAL COST	YTM AT COST	ACCRUED INTEREST	MARK - TO-MARKET	MARKET VALUE
SUPRA-NATIONAL AGENCY BOND	458182DX7	INTER-AMERICAN DEVELOPMENT BANK	525,000.00	1.000	5/13/2019	AAA	4/5/2016	4/12/2016	523,425.00	1.10	2,464.58	1,524.08	524,949.08
			525,000.00						523,425.00	1.10	2,464.58	1,524.08	524,949.08
CORPORATE NOTE													
	084664BS9	BERKSHIRE HATHAWAY FIN GLOBAL NOTE	350,000.00	2.300	5/15/2017	AA	1/8/2013	1/15/2013	354,987.50	1.26	2,115.56	(3,793.65)	351,193.85
	40434CAA3	HSBC USA INC	290,000.00	1.300	6/23/2017	A	6/16/2014	6/23/2014	289,559.20	1.35	1,026.28	327.99	289,887.19
	166764AA8	CHERVON CORP (CALLABLE) GOBAL NOTES	150,000.00	1.104	12/5/2017	AA-	11/29/2012	12/5/2012	150,811.50	0.99	533.60	(920.70)	149,890.80
	166764AA8	CHERVON CORP (CALLABLE) GOBAL NOTES	220,000.00	1.104	12/5/2017	AA-	11/28/2012	12/5/2012	220,000.00	1.10	782.61	(160.16)	219,839.84
	459200HK0	IBM CORP GLOBAL NOTES	485,000.00	1.250	2/8/2018	AA-	2/5/2013	2/8/2013	482,778.70	1.35	892.53	2,806.21	485,584.91
	084670BH0	BERKSHIRE HATHAWAY GLOBAL NOTE (EX-CALL)	525,000.00	1.550	2/9/2018	AA	1/29/2013	2/11/2013	524,270.25	1.58	1,175.42	3,774.23	528,044.48
	30231GAL6	EXXON MOBIL CORP NOTES	800,000.00	1.305	3/6/2018	AA+	3/4/2015	3/6/2015	800,000.00	1.31	725.00	2,420.80	802,420.80
	36962G6W9	GENERAL ELEC DAP CORP GLOBAL NOTES	500,000.00	1.625	4/2/2018	AA+	4/10/2013	4/15/2013	501,285.00	1.57	4,039.93	3,818.50	505,103.50
	037833AJ9	APPLE INC GLOBAL NOTES	475,000.00	1.000	5/3/2018	AA+	4/30/2013	5/3/2013	473,247.25	1.08	1,952.78	1,090.60	474,337.85
	06406HDB2	BANK OF NEW YORK MELLON CORP	400,000.00	1.600	5/3/2018	A	5/22/2015	5/29/2015	399,964.00	1.60	2,293.33	2,420.80	402,384.80
	166764AE0	CHERVON CORP GOBAL NOTES	680,000.00	1.718	6/24/2018	AA-	6/17/2013	6/24/2013	680,000.00	1.72	3,147.76	5,992.84	685,992.84
	17275RAR3	CISCO SYSTEM INC GLOBAL NOTES	375,000.00	2.125	3/1/2019	AA-	8/29/2014	9/4/2014	378,562.50	1.90	664.06	3,772.88	382,333.38
	38141GVT8	GOLMAN SACHS GRP INC CORP INT (CALLABLE)	50,000.00	2.000	4/25/2019	BBB+	4/20/2016	4/25/2016	49,861.00	2.10	433.33	472.00	50,333.00
	38141GVT8	GOLMAN SACHS GRP INC CORP INT (CALLABLE)	325,000.00	2.000	4/25/2019	BBB+	4/21/2016	4/26/2016	324,792.00	2.02	2,816.67	2,372.50	327,164.50
	172967KS9	CITI INC CORP NOTES	145,000.00	2.050	6/7/2019	BBB+	6/2/2016	6/9/2016	144,924.60	2.07	924.78	1,179.43	146,104.03
	02665WAH4	AMERICAN HONDA FINANCE GLOBAL NOTES	800,000.00	2.250	8/15/2019	A+	9/4/2014	9/9/2014	798,520.00	2.29	2,300.00	21,329.60	819,849.60
	12189TBC7	BURLINGTON NRTH CORP	200,000.00	4.700	10/1/2019	A	6/3/2016	6/8/2016	220,780.00	1.48	4,700.00	(980.60)	219,799.40
	46625HK7	JPMORGAN CHASE & CO (CALLABLE)	500,000.00	2.250	1/23/2020	A-	10/1/2015	10/6/2015	496,400.00	2.43	2,125.00	10,169.00	506,569.00
	94974BGF1	WELLS FARGO & COMPANY	400,000.00	2.150	1/30/2020	A	2/2/2015	2/5/2015	402,796.00	2.00	1,457.22	114.80	402,910.80
	89236TCF0	TOYOTA MOTOR CORP NOTES	250,000.00	2.150	3/12/2020	AA-	3/23/2015	3/27/2015	252,220.00	1.96	283.68	3,070.00	255,290.00
	46625HLW8	JPMORGAN CHASE & CO CORP NT (CALLABLE)	300,000.00	2.000	3/15/2020	A-	9/1/2015	9/4/2015	301,491.00	2.64	2,245.83	7,224.90	308,715.90
	94974BGM6	WELLS FARGO & COMPANY NOTES	375,000.00	2.600	7/22/2020	A	9/1/2012	9/4/2015	377,103.75	2.48	1,868.75	5,505.00	382,608.75
	06406FAA1	BANK OF NEW YORK MELLON CORP	375,000.00	2.500	4/15/2021	A	5/16/2016	5/16/2016	383,617.50	2.00	5,781.25	1,774.50	385,392.00
	0258MOEB1	AMERICAN EXPRESS CREDIT CORP NOTES	225,000.00	2.250	5/5/2021	A-	5/25/2016	5/31/2016	224,478.00	2.30	2,053.13	3,973.50	228,451.50
	05531FAV5	BRANCH BANKING & TRUST CORP NOTE	200,000.00	2.050	5/10/2021	A-	5/10/2016	5/16/2016	199,868.00	2.06	1,605.83	2,220.60	202,088.60
	857477AV5	STATE STREET CORP NOTES	110,000.00	1.950	5/19/2021	A	5/19/2016	5/24/2016	109,532.50	2.04	786.50	1,307.24	110,839.74
			9,505,000.00						9,541,850.25	1.78	48,730.83	81,282.81	9,623,133.06
FED AGY BOND NOTE													
	3137EADH9	FREDDIE MAC GLOBAL NOTES	65,000.00	1.000	6/29/2017	AA+	8/11/2014	8/13/2014	65,076.05	0.96	166.11	107.06	65,183.11
	3137EADH9	FREDDIE MAC GLOBAL NOTES	500,000.00	1.000	6/29/2017	AA+	8/11/2014	8/13/2014	500,477.00	0.97	1,277.78	931.50	501,408.50
	3130A8PK3	FHLB NOTE	690,000.00	0.625	8/7/2018	AA+	8/11/2016	8/11/2016	687,405.60	0.82	646.88	(95.22)	687,310.38
	3135GOYT4	FANNIE MAE GOLBAL NOTES	260,000.00	1.625	11/27/2018	AA+	10/22/2014	10/23/2014	262,470.00	1.39	1,455.28	1,730.04	264,200.04
	3135GOYT4	FANNIE MAE GOLBAL NOTES	650,000.00	1.625	11/27/2018	AA+	6/16/2014	6/19/2014	650,019.50	1.62	3,638.19	10,480.60	660,500.10
	3135GOJ53	FNMA BENCHMARK NOTE	555,000.00	1.000	2/26/2019	AA+	2/19/2016	2/23/2016	553,690.20	1.08	539.58	2,097.35	555,787.55
	3137EADG1	FREDDIE MAC NOTES	400,000.00	1.750	5/30/2019	AA+	12/1/2014	12/3/2014	404,544.00	1.49	2,352.78	3,808.40	408,352.40
	3135GON33	FNMA BENCHMARK NOTE	880,000.00	0.875	8/2/2019	AA+	7/29/2016	8/2/2016	878,521.60	0.93	1,261.94	(1,943.04)	876,578.56
	3137A8Y22	FHLB GLOBAL NOTE	500,000.00	0.875	8/5/2019	AA+	8/3/2016	8/4/2016	499,040.00	0.94	692.71	(888.00)	498,152.00
	3135GOP49	FNMA NOTE	950,000.00	1.000	8/28/2019	AA+	8/31/2016	9/2/2016	948,518.00	1.05	765.28	1,045.00	949,563.00
	3137A8OS5	FHLB GLOBAL NOTE	975,000.00	1.125	7/14/2021	AA+	7/14/2016	7/15/2016	969,071.03	1.25	2,346.09	(1,233.38)	967,837.65
	3135GON82	FNMA NOTES	130,000.00	1.125	8/17/2021	AA+	8/17/2016	8/19/2016	129,555.27	1.32	189.58	129,647.96	129,647.96
	3135GON82	FNMA NOTES	420,000.00	1.125	8/17/2021	AA-	8/17/2016	8/19/2016	418,299.00	1.33	612.50	563.64	418,862.64
			6,975,000.00						6,966,687.25	1.14	15,944.70	16,696.64	6,983,383.89
MUNICIPAL BOND NOTE													
	13017HAD8	CA EARTHQUAKE AUTH TXBL REV BONDS	215,000.00	1.824	7/1/2017	NR	10/29/2014	11/6/2014	215,000.00	1.82	980.40	1,023.40	216,023.40
	13063CF09	CA ST TXBL GO BONDS	750,000.00	1.750	11/1/2017	AA-	10/22/2013	11/5/2013	752,677.50	1.66	5,468.75	3,112.50	755,790.00
	91412GS29	UNIV OF CAL TXBL REV BONDS	695,000.00	2.054	5/15/2018	AA	9/26/2013	10/2/2013	695,000.00	2.05	5,392.89	12,134.70	707,134.70
	20727ZJK1	CT ST TXBL GO BONDS	230,000.00	1.974	3/15/2019	AA-	3/16/2015	3/25/2015	230,646.30	1.90	201.79	2,948.60	233,594.90
			1,890,000.00						1,893,323.80	1.85	12,043.83	19,219.20	1,912,543.00
FEDERAL AGENCY COLLATERALIZED MORTGAGE OBLIGATION													
	3136ANJY4	FNMA SERIES 2015-M7 ASQ2	185,000.00	1.550	4/1/2018	AA-	4/15/2015	4/30/2015	186,849.33	0.83	238.96	(1,169.95)	185,679.38
	3136AMMC0	FNMA SERIES 2015-M3 FA	121,851.48	0.652	6/1/2018	AA-	2/12/2015	2/27/2015	121,819.63	0.39	66.22	36.40	121,856.03
	3136AMTM1	FNMA SERIES M4 FA	112,368.05	0.642	9/1/2018	AA+	3/12/2015	3/31/2015	112,339.26	0.38	66.79	20.58	112,359.84
	3136AOSW1	FNMA SERIES 2015-M15 ASQ2	170,000.00	1.899	11/1/2019	AA+	11/6/2015	11/30/2015	171,699.98	1.20	268.89	(290.66)	171,409.32
	3136AOD00	FANNIE MAE SERIES 2015-M13 ASQ2	355,000.00	1.646	9/1/2019	AA+	10/7/2015	10/30/2015	358,554.93	1.08	486.94	(1,794.98)	356,759.95
	3136AP3Z3	FNMA SERIES 2015-M12 F4	368,365.54	0.772	4/1/2020	AA+	9/10/2015	9/30/2015	368,232.95	0.54	237.01	495.61	368,728.56
			1,312,585.07						1,319,496.08	0.79	1,364.81	(2,703.00)	1,316,793.08



SACRAMENTO SUBURBAN WATER DISTRICT  
INVESTMENTS OUTSTANDING - OPERATING FUND

Detail of Securities Held:

MONTH END: September 30, 2016

SECURITY TYPE	CUSIP	DESCRIPTION	PAR	COUPON	MATURITY DATE	S&P RATING	TRADE DATE	SETTLE DATE	ORIGINAL COST	YTM AT COST	ACCRUED INTEREST	MARK - TO-MARKET	MARKET VALUE	
<b>CERTIFICATE OF DEPOSIT</b>														
	13606JYY9	CANADIAN IMPERIAL BANK NY YCD	PFM	800,000.00	1.010	4/6/2017	A-1	4/6/2015	4/10/2015	800,000.00	1.01	3,927.78	(1,000.00)	799,000.00
	21684BXH2	RABOBANK NEDERLAND NV NY CD	PFM	1,000,000.00	1.070	4/21/2017	A-1	4/22/2015	4/27/2015	1,000,000.00	1.07	4,755.56	(507.00)	999,493.00
	05574BRW5	BMO HARRIS BANK NA CD	PFM	800,000.00	1.000	4/24/2017	A-1	10/22/2015	10/23/2015	800,000.00	1.01	7,644.44	1,370.40	801,370.40
	65558LFA5	NORDEA BANK FINLAND NY CD	PFM	800,000.00	1.150	5/26/2017	AA-	5/27/2015	5/29/2015	800,000.00	1.15	3,271.11	(368.00)	799,632.00
	89113ESN7	NORDEA BANK FINLAND NY CD	PFM	825,000.00	1.240	6/16/2017	AA-	6/16/2015	6/19/2015	825,000.00	1.25	2,926.92	387.75	825,387.75
	86958DH54	SSVENSKA HANDELSBANKEN NY FLT CD	PFM	750,000.00	0.832	8/24/2017	A-1+	11/20/2015	11/24/2015	750,000.00	0.84	983.15	1,702.50	751,702.50
	06417GAS7	BANK OF NOVA SCOTIA HOUSTON CD	PFM	750,000.00	1.560	11/6/2017	A-1	11/6/2015	11/9/2015	750,000.00	1.55	4,712.50	2,501.25	752,501.25
	83050FBG5	SKANDINAVISKA ENSKILDA BANKEN NY CD	PFM	750,000.00	1.480	11/16/2017	A-1	11/16/2015	11/17/2015	750,000.00	1.48	9,835.83	1,125.00	751,125.00
	40428AR41	HSBC BANK USA NA FLOATING CD	PFM	750,000.00	0.954	11/17/2017	A-1+	11/17/2015	11/18/2015	750,000.00	0.97	1,306.98	1,695.00	751,695.00
	78009NZZ2	ROYAL BANK OF CANADA NY CD	PFM	750,000.00	1.700	3/9/2018	AA-	3/11/2016	3/15/2016	750,000.00	1.69	779.17	3,543.75	753,543.75
				7,975,000.00					7,975,000.00	1.19	40,143.44	10,450.65	7,985,450.65	
<b>ASSET-BACKED SECURITY</b>														
	8923WAB4	TOYOTA AUTO RECEIVABLES OWNER ABS NOTES	PFM	2,451.37	0.710	7/15/2017	AAA	2/24/2015	3/4/2015	2,451.35	0.71	0.77	(0.25)	2,451.10
	43813NAC0	HAROT 2015-2 A3	PFM	285,000.00	1.040	2/21/2019	AAA	5/13/2015	5/20/2015	284,956.25	1.05	82.33	153.02	285,109.27
	89237CAD3	TOYOTA ABS 2015-B A3	PFM	385,000.00	1.270	5/15/2019	AAA	6/10/2015	6/17/2015	384,979.17	1.27	217.31	919.65	385,898.82
	14314EAB7	CARMAX ABS 2016-3 A2 (EX-CALLABLE)	PFM	325,000.00	1.170	8/15/2019	AAA	7/14/2016	7/20/2016	324,973.48	1.18	169.00	303.26	325,276.74
	65477UAC4	NISSAN AUTO RECEIVABLE OWNER 2015-A	PFM	295,000.00	1.050	10/15/2019	NR	4/7/2015	4/14/2015	294,937.99	1.06	137.67	307.45	295,245.44
	34530VAD1	FORDO 2015-B A3	PFM	200,000.00	1.160	11/15/2019	NR	5/19/2015	5/26/2015	199,981.50	1.16	103.11	311.26	200,292.76
	6547WAD0	NISSAN ABS 2015-B A3	PFM	195,000.00	1.340	3/16/2020	NR	7/15/2015	7/22/2015	194,984.50	1.34	116.13	736.24	195,720.74
	47788NAC2	JOHN DEERE ABS 2016-B A3	PFM	80,000.00	1.250	6/15/2020	NR	7/19/2016	7/27/2016	79,993.63	1.25	44.44	129.36	80,122.99
	02007LAC6	ALLY ABS 2016-3 A3	PFM	130,000.00	1.440	3/16/2020	NR	7/15/2015	7/22/2015	129,987.38	1.44	83.20	698.58	130,685.96
	44930UAD8	HYUNDAI ABS 2016-A A3	PFM	70,000.00	1.560	9/15/2020	AAA	3/22/2016	3/30/2016	69,986.42	1.57	48.53	499.38	70,485.80
	05522RCU0	BANK OF AMER CREDIT CARD TR 2015-A2	PFM	280,000.00	1.360	9/15/2020	AAA	10/28/2015	10/29/2015	280,404.69	1.30	169.24	730.51	281,135.20
	34532EAD7	FORD ABS 2016S-B A3	PFM	85,000.00	1.330	10/15/2020	NR	4/19/2016	4/26/2016	84,991.94	1.33	50.24	260.09	85,252.03
	44891EAC3	HYUNDAI AUTO REC VBL TRUST	PFM	195,000.00	1.290	4/15/2021	AAA	9/14/2016	9/21/2016	194,973.75	1.30	69.88	280.00	195,253.75
				2,527,451.37					2,527,602.05	1.23	1,291.85	5,328.55	2,532,930.60	
<b>US TSY BOND/NOTE</b>														
	912828A34	US TREASURY NOTES	PFM	235,000.00	1.250	11/30/2018	AA+	6/2/2014	6/3/2014	233,356.84	1.41	987.19	3,809.63	237,166.47
	912828A75	US TREASURY NOTES	PFM	175,000.00	1.500	12/31/2018	AA+	12/29/2014	12/31/2014	174,829.10	1.53	663.38	2,789.08	177,618.18
	912828UQ1	US TREASURY NOTES	PFM	275,000.00	1.250	9/2/2020	AA+	9/3/2015	9/3/2015	272,411.13	1.47	294.37	5,070.20	277,481.33
	912828UQ1	US TREASURY NOTES	PFM	275,000.00	1.250	9/2/2020	AA+	10/8/2015	10/9/2015	274,226.56	1.32	294.37	3,254.77	277,481.33
	912828J84	US TREASURY NOTES	PFM	100,000.00	1.375	3/31/2020	AA+	6/22/2016	6/27/2016	101,226.56	1.04	3.78	82.04	101,308.60
	912828J84	US TREASURY NOTES	PFM	140,000.00	1.375	3/31/2020	AA+	6/22/2016	6/27/2016	141,782.81	1.03	5.29	49.23	141,832.04
	912828J84	US TREASURY NOTES	PFM	309,000.00	1.375	3/31/2020	AA+	6/23/2016	6/28/2016	312,512.46	1.07	11.67	531.11	313,043.57
	912828VP2	US TREASURY NOTES	PFM	650,000.00	2.000	7/31/2020	AA+	12/1/2015	12/4/2015	662,263.67	1.58	2,190.22	10,663.78	672,927.45
	912828VV9	US TREASURY NOTES	PFM	675,000.00	2.125	8/31/2020	AA+	12/28/2015	12/30/2015	686,680.66	1.74	1,228.33	15,609.59	702,290.25
	912828WC0	US TREASURY NOTES	PFM	1,000,000.00	1.750	10/31/2020	AA+	2/1/2016	2/3/2016	1,018,515.63	1.35	7,323.37	7,773.37	1,026,289.00
	912828PC8	US TREASURY NOTES	PFM	500,000.00	2.625	11/15/2020	AA+	5/3/2016	5/6/2016	531,015.62	1.21	4,957.54	(214.62)	530,801.00
	912828A42	US TREASURY NOTES	PFM	525,000.00	2.000	11/30/2020	AA+	3/2/2016	3/4/2016	539,991.21	1.35	3,528.69	4,203.84	544,195.05
	912828A83	US TREASURY NOTES	PFM	625,000.00	2.375	12/31/2020	AA+	3/30/2016	3/31/2016	656,396.48	1.28	3,751.27	1,269.77	657,666.25
	912828B90	US TREASURY NOTES	PFM	625,000.00	2.000	2/28/2021	AA+	7/6/2016	7/8/2016	655,566.41	0.92	1,070.44	(7,348.91)	648,217.50
	912828WN6	US TREASURY NOTES	PFM	675,000.00	2.000	5/31/2021	AA+	9/1/2016	9/2/2016	699,257.81	1.22	4,536.89	1,423.92	700,681.73
				6,784,000.00					6,960,032.95	1.35	30,846.80	48,966.80	7,008,999.75	
<b>US TSY BOND/NOTE</b>														
				37,494,036.44					37,707,417.38	1.38	152,830.84	180,765.73	37,888,183.11	
<b>TOTAL INVESTMENT PORTFOLIO</b>														
<b>CASH EQUIVALENTS</b>														
<b>US TSY MONEY MKT</b>														
	431114503	US TREASURY MONEY MARKET	U.N. BANK	73,552.77		OVERNIGHT			73,552.77	0.00	-	-	73,552.77	
	9034005	LOCAL AGENCY INVESTMENT FUND	STATE POO	2,151,232.31		OVERNIGHT			2,151,232.31	0.61	3,259.50	16.52	2,151,248.83	
				39,718,821.52					39,932,202.46		156,090.34	180,782.25	40,112,984.71	
<b>TOTAL CASH EQUIVALENTS</b>														

**Investment Activity  
September 2016**



**Managed Account Security Transactions & Interest**

For the Month Ending **September 30, 2016**

**SACRAMENTO SUBURBAN WATER DISTRICT - 76850100**

Transaction Type	Trade	Settle	Security Description	CUSIP	Par	Principal Proceeds	Accrued Interest	Total	Realized G/L Cost	Realized G/L Amort Cost	Sale Method
<b>BUY</b>											
	08/31/16	09/02/16	FNMA NOTES DTD 09/02/2016 1.000% 08/28/2019	3135G0P49	950,000.00	(948,518.00)	0.00	(948,518.00)			
	09/01/16	09/02/16	US TREASURY NOTES DTD 06/02/2014 2.000% 05/31/2021	912828WN6	675,000.00	(699,257.81)	(3,467.21)	(702,725.02)			
	09/14/16	09/21/16	HYUNDAI AUTO RECEIVABLES TRUST DTD 09/21/2016 1.290% 04/15/2021	44891EAC3	195,000.00	(194,973.75)	0.00	(194,973.75)			
<b>Transaction Type Sub-Total</b>					<b>1,820,000.00</b>	<b>(1,842,749.56)</b>	<b>(3,467.21)</b>	<b>(1,846,216.77)</b>			
<b>INTEREST</b>											
	09/01/16	09/01/16	CISCO SYSTEMS INC GLOBAL NOTES DTD 03/03/2014 2.125% 03/01/2019	17275RAR3	375,000.00	0.00	3,984.38	3,984.38			
	09/01/16	09/01/16	MONEY MARKET FUND	MONEY0002	0.00	0.00	0.73	0.73			
	09/01/16	09/25/16	FNMA SERIES 2015-M15 ASQ2 DTD 11/01/2015 1.898% 01/01/2019	3136AOSW1	170,000.00	0.00	268.89	268.89			
	09/01/16	09/25/16	FNMA SERIES M4 FA DTD 03/01/2015 0.642% 09/01/2018	3136AMTM1	112,476.79	0.00	67.15	67.15			
	09/01/16	09/25/16	FNMA SERIES 2015-M12 FA DTD 09/01/2015 0.772% 04/01/2020	3136AP3Z3	370,716.15	0.00	262.82	262.82			
	09/01/16	09/25/16	FANNIE MAE SERIES 2015-M13 ASQ2 DTD 10/01/2015 1.646% 09/01/2019	3136AOD00	355,000.00	0.00	486.94	486.94			
	09/01/16	09/25/16	FNMA SERIES 2015-M3 FA DTD 02/01/2015 0.652% 06/01/2018	3136AMMC0	124,372.46	0.00	75.32	75.32			
	09/01/16	09/25/16	FNMA SERIES 2015-M7 ASQ2 DTD 04/01/2015 1.550% 04/01/2018	3136ANJY4	185,000.00	0.00	238.96	238.96			
	09/06/16	09/06/16	EXXON MOBIL CORP NOTES DTD 03/06/2015 1.305% 03/06/2018	30231GAL6	800,000.00	0.00	5,220.00	5,220.00			
	09/09/16	09/09/16	ROYAL BANK OF CANADA NY CD DTD 03/15/2016 1.700% 03/09/2018	78009NZZ2	750,000.00	0.00	6,162.50	6,162.50			
	09/12/16	09/12/16	TOYOTA MOTOR CORP NOTES DTD 03/12/2015 2.150% 03/12/2020	89236TCF0	250,000.00	0.00	2,687.50	2,687.50			
	09/15/16	09/15/16	HONDA ABS 2015-1 A2 DTD 01/28/2015 0.700% 06/15/2017	43814KAB7	5,680.18	0.00	3.31	3.31			
	09/15/16	09/15/16	FORD ABS 2016-B A3 DTD 04/26/2016 1.330% 10/15/2020	34532EAD7	85,000.00	0.00	94.21	94.21			





**Managed Account Security Transactions & Interest**

For the Month Ending **September 30, 2016**

**SACRAMENTO SUBURBAN WATER DISTRICT - 76850100**

Transaction Type	Trade	Settle	Security Description	CUSIP	Par	Principal Proceeds	Accrued Interest	Total	Realized G/L Cost	Realized G/L Amort Cost	Sale Method
<b>INTEREST</b>											
	09/15/16	09/15/16	CARMAX ABS 2016-3 A2 DTD 07/20/2016 1.170% 08/15/2019	14314EAB7	325,000.00	0.00	316.88	316.88			
	09/15/16	09/15/16	FORD ABS 2015-B A3 DTD 05/26/2015 1.160% 11/15/2019	34530VAD1	200,000.00	0.00	193.33	193.33			
	09/15/16	09/15/16	BANK OF AMER CREDIT CARD TR 2015-A2 DTD 04/29/2015 1.360% 09/15/2020	05522RCU0	280,000.00	0.00	317.33	317.33			
	09/15/16	09/15/16	NISSAN ABS 2015-A A3 DTD 04/14/2015 1.050% 10/15/2019	65477UAC4	295,000.00	0.00	258.13	258.13			
	09/15/16	09/15/16	JOHN DEERE ABS 2016-B A3 DTD 07/27/2016 1.250% 06/15/2020	47788NAC2	80,000.00	0.00	133.33	133.33			
	09/15/16	09/15/16	ALLY ABS 2016-3 A3 DTD 05/31/2016 1.440% 08/15/2020	02007LAC6	130,000.00	0.00	156.00	156.00			
	09/15/16	09/15/16	NISSAN ABS 2015-B A3 DTD 07/22/2015 1.340% 03/15/2020	65475WAD0	195,000.00	0.00	217.75	217.75			
	09/15/16	09/15/16	TOYOTA ABS 2015-A A2 DTD 03/04/2015 0.710% 07/15/2017	89236WAB4	15,629.72	0.00	9.25	9.25			
	09/15/16	09/15/16	TOYOTA ABS 2015-B A3 DTD 06/17/2015 1.270% 05/15/2019	89237CAD3	385,000.00	0.00	407.46	407.46			
	09/15/16	09/15/16	CT ST TXBL GO BONDS DTD 03/25/2015 1.974% 03/15/2019	20772JZK1	230,000.00	0.00	2,270.10	2,270.10			
	09/15/16	09/15/16	HYUNDAI ABS 2016-A A3 DTD 03/30/2016 1.560% 09/15/2020	44930UAD8	70,000.00	0.00	91.00	91.00			
	09/21/16	09/21/16	HONDA ABS 2015-2 A3 DTD 05/20/2015 1.040% 02/21/2019	43813NAC0	285,000.00	0.00	247.00	247.00			
	09/30/16	09/30/16	US TREASURY NOTES DTD 03/31/2015 1.375% 03/31/2020	912828J84	100,000.00	0.00	687.50	687.50			
	09/30/16	09/30/16	US TREASURY NOTES DTD 03/31/2015 1.375% 03/31/2020	912828J84	140,000.00	0.00	962.50	962.50			
	09/30/16	09/30/16	US TREASURY NOTES DTD 03/31/2015 1.375% 03/31/2020	912828J84	309,000.00	0.00	2,124.38	2,124.38			
<b>Transaction Type Sub-Total</b>					<b>6,622,875.30</b>	<b>0.00</b>	<b>27,944.65</b>	<b>27,944.65</b>			

**PAYDOWNS**





**Managed Account Security Transactions & Interest**

For the Month Ending **September 30, 2016**

**SACRAMENTO SUBURBAN WATER DISTRICT - 76850100**

Transaction Type	Trade	Settle	Security Description	CUSIP	Par	Principal Proceeds	Accrued Interest	Total	Realized G/L Cost	Realized G/L Amort Cost	Sale Method
<b>PAYDOWNS</b>											
09/01/16	09/25/16		FNMA SERIES M4 FA DTD 03/01/2015 0.642% 09/01/2018	3136AMTM1	108.74	108.74	0.00	108.74	0.03	0.00	
09/01/16	09/25/16		FNMA SERIES 2015-M3 FA DTD 02/01/2015 0.652% 06/01/2018	3136AMMC0	2,520.98	2,520.98	0.00	2,520.98	0.66	0.00	
09/01/16	09/25/16		FNMA SERIES 2015-M12 FA DTD 09/01/2015 0.772% 04/01/2020	3136AP3Z3	2,350.61	2,350.61	0.00	2,350.61	0.85	0.00	
09/15/16	09/15/16		HONDA ABS 2015-1 A2 DTD 01/28/2015 0.700% 06/15/2017	43814KAB7	5,680.18	5,680.18	0.00	5,680.18	0.30	0.00	
09/15/16	09/15/16		TOYOTA ABS 2015-A A2 DTD 03/04/2015 0.710% 07/15/2017	89236WAB4	13,178.35	13,178.35	0.00	13,178.35	0.13	0.00	
<b>Transaction Type Sub-Total</b>					<b>23,838.86</b>	<b>23,838.86</b>	<b>0.00</b>	<b>23,838.86</b>	<b>1.97</b>	<b>0.00</b>	
<b>SELL</b>											
08/31/16	09/02/16		FANNIE MAE GLOBAL NOTES DTD 07/20/2012 0.875% 08/28/2017	3135G0MZ3	900,000.00	901,629.00	87.50	901,716.50	(603.00)	1,176.30	SPEC LOT
09/01/16	09/02/16		JOHN DEERE CAPITAL CORP NOTES DTD 06/12/2014 1.125% 06/12/2017	24422ESN0	670,000.00	670,636.50	1,675.00	672,311.50	951.40	719.14	SPEC LOT
09/14/16	09/21/16		US TREASURY NOTES DTD 12/31/2013 1.500% 12/31/2018	912828A75	150,000.00	152,267.58	507.47	152,775.05	2,414.06	2,351.95	SPEC LOT
<b>Transaction Type Sub-Total</b>					<b>1,720,000.00</b>	<b>1,724,533.08</b>	<b>2,269.97</b>	<b>1,726,803.05</b>	<b>2,762.46</b>	<b>4,247.39</b>	
<b>Managed Account Sub-Total</b>						<b>(94,377.62)</b>	<b>26,747.41</b>	<b>(67,630.21)</b>	<b>2,764.43</b>	<b>4,247.39</b>	
<b>Total Security Transactions</b>						<b>(94,377.62)</b>	<b>\$26,747.41</b>	<b>(\$67,630.21)</b>	<b>\$2,764.43</b>	<b>\$4,247.39</b>	



**Cash Expenditures  
September 2016**

**Sacramento Suburban Water District  
Cash Expenditures  
September-16**

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
<b>CIP EXPENSES</b>				
	Affinity Engineering	5	CIP Project Engineering Services	\$ 15,571.00
	Area West Engineers	2	Engineering & Consulting CIP Services	1,710.00
	Brown & Caldwell	2	Well Rehabilitation & Monitoring	39,690.81
	County of Sacramento Public Works	11	Inspection Fees	6,237.22
	County of Sacramento	1	Marconi Generator Fees	7,355.76
	DCM Group	2	Labor Compliance/Rutland	5,017.25
	Domenichelli & Associates	1	Engineering & Consulting CIP Services	18,820.00
	Doug Veerkamp Engineering	1	Main Replacement Projects 2016	484,362.50
	ERC Contracting	2	Location Verification Services	16,586.09
	Flowline	2	Meter Installation Project	262,740.00
	GM Construction	1	Drayton Heights Main Replacement	295,203.20
	GM Construction	1	Large Water Meter Replacements	10,384.00
	Koch & Koch	1	Project Retention Release - Rutland Well	13,328.12
	Luhdorff & Scalmanini	4	Palm Well N6A/ El Prado Estates Engineering	34,565.78
	Paragon Geotechnical	1	Geotechnical Services	2,443.00
	Peterson Brustad	1	Design Support Chlorination Systems	1,335.19
	Roadrunner Drilling and Pump Co	3	Monitoring Wells	203,119.20
	S E Ahlstrom Inspection	1	Inspection Services	11,840.00
	Tetra Tech	4	System Improvements	292,785.76
	Wood Rodgers Engineering	1	Consulting Services - Rutland	8,798.60
	W.M. Lyles Company	1	Retention Release	4,357.65
	Well Rehab Company	1	59A Patch Well Casing	8,818.00
<b>INVENTORY AND CIP SUPPLIES</b>				
	Corix	2	Inventory/CIP Supplies	2,436.48
	Ferguson/DBA Groeniger	12	Inventory/CIP Supplies	17,368.74
	HD Supply/Whitecap	2	Inventory/CIP Supplies	1,303.79
	MCCrometer	3	Inventory/CIP Supplies	10,209.26
	National Meter and Automation	9	Inventory/CIP Supplies	37,392.80
	Pace Supply	3	Inventory/CIP Supplies	2,617.14
	R & B Company	2	Meter Supplies	11,853.63
<b>OPERATING CAPITAL EXPENSES</b>				
	CDWG	2	Servers/Computer Equipment	574.90
	Sac ICE LLC	1	Modular Ice Machine	4,634.12
<b>WATER COSTS</b>				
	PG&E	3	Gas Service Buildings & P.S.	28.70
	Placer County Water Agency	3	Water	327,242.39
	Sierra Chemical	2	Water Quality Services/Chemicals	22,996.13
	SMUD	3	Electrical Utilities	119,957.15
<b>OPERATIONS &amp; MAINTENANCE</b>				
	A & A Stepping Stone	1	Top Soil Materials	82.62
	ABF Freight Systems	1	Shipping Services	316.54
	Accountemps	5	Accounting Temp	6,071.87
	Advanced Integrated Pest Management	3	Pest Control Services	225.50
	Airgas USA LLC	2	Field Supplies	494.90
	All Pro Backflow	3	Backflow Services	4,773.00

Sacramento Suburban Water District  
Cash Expenditures  
September-16

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
<b>OPERATIONS &amp; MAINTENANCE</b>				
	Answernet/Signius Inv Corp	1	Monthly After Hours Answering Service	614.89
	AT&T Calnet3	5	Phone Service	14,985.11
	Atlas Disposal	2	Waste Disposal Services	316.73
	Automatic Door Systems	1	Door Repair	246.70
	Backflow Distributors	2	Backflow Services	632.89
	Backflow Technologies	1	Backflow Services	14,232.92
	Badger Meter	2	Service Renewal	616.56
	Brian Henson	2	Backflow Services	3,979.00
	Brower Mechanical	2	HVAC Maintenance	825.00
	BSK Associates	7	Water Lab Services	1,875.00
	Bud's Tri County Tree Service	2	Tree Removal	650.00
	Burt's Lawn & Garden Service	1	Pump Site Maintenance	5,317.50
	CA NV Section AWWA	1	WFP 2016 Water Slam	500.00
	Calif Urban Water Conservation	1	Annual Membership/Dues	1,650.00
	California Surveying and Drafting	1	GIS/CAD Supplies	408.24
	Cell Energy	2	Equipment Batteries	695.35
	Central Valley Engineering & Asphalt	2	District Paving Repairs	29,890.00
	CINTAS	9	Uniforms and Janitorial Supplies - Walnut	1,199.34
	Citrus Heights Saw & Mower	2	Small Equipment Repair	204.62
	City of Sacramento	2	Utilities	25.54
	Clear Vision Window Cleaning	1	Building Maintenance	225.00
	Cody Scott	1	Safety Footwear Reimbursement	240.95
	Comcast	2	Cable	27.37
	Consolidated Communications	1	Telephone Services - Antelope	415.48
	Coughran Mechanical	1	Pump Site Maintenance	1,052.89
	County of Sac Utilities	2	Monthly Utilities	109.70
	Culligan	1	Water System - Walnut	68.75
	Customer Rebates	3	Rebate Programs	500.00
	Customer Refunds	31	Customer Refunds	6,395.34
	Dan York	1	Out of Pocket Expenses - Mileage/Parking	170.16
	Department of Toxic Substance Control	1	Production Permits	165.00
	Doug cater	1	Safety Footwear Reimbursement	237.57
	DST Output	13	Billing Production Processing & Postage	20,112.79
	Eaton Pump and Sales Service	1	Production Supplies	260.00
	Emigh Hardware	9	Field Supplies	272.45
	Employee Relations Network	1	HR Services	187.95
	Express Office Products	1	Office Supplies	170.88
	Fastenal Company	4	Field Supplies	291.16
	Federal Express Corporation	1	Express Mail Service	170.88
	Feld Entertainment	1	Hydrant Deposit Refunds	2,186.70
	Fleet Wash	1	Vehicle Maintenance	357.00
	Glissman Excavating	1	Hydrant Deposit Refunds	2,229.30
	GM Construction	5	System Repairs	10,850.00
	Government Finance Officers Association	2	Annual Membership/Dues	210.00
	Griffin's Janitorial	2	Janitorial Services	3,408.20
	H2H Properties	1	Parking Lease	1,197.00
	Harrington Plastics	6	Field Supplies	3,607.00
	Harrold Ford	9	Vehicle Maintenance	491.50



Sacramento Suburban Water District  
Cash Expenditures  
September-16

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
<b>OPERATIONS &amp; MAINTENANCE</b>				
	Headsets.com	1	Customer Service Phone Set	358.00
	Herburger Publications	1	Community Outreach	300.00
	Innovyze	1	Licensing Renewal	3,750.00
	Instrument Technology Corp	1	Maintenance Supplies	24.00
	Labor Ready	5	Temp Employee Services	3,581.72
	Lake Vue Electric	1	Building Maintenance	208.50
	Les Schwab Tire Center	11	Vehicle Maintenance	2,457.29
	Messenger Publishing Group	1	Conservation Ad	415.00
	Michael Phillips Landscape Corp	7	Landscape Maintenance Various Locations	11,125.00
	Mitch Dion	1	Conference Reimbursement	410.64
	Neopost	1	Folding Machine for Internal Mailings	3,124.44
	Normac	1	Field Supplies	324.70
	Northern California Water Association	1	Annual Membership/Dues	6,011.18
	Office Team	2	Temp Employee Services	1,499.19
	Panatrack	2	Inventory Maintenance Supplies	131.25
	Pitney Bowes Leases	1	Postage Meter Lease	554.75
	Pitney Bowes - Postage	1	Postage Replenishment	18,000.00
	RAH Environmental Inc	1	Hydrant Deposit Refunds	1,985.00
	Ramos Oil	1	Pump Site Maintenance	75.15
	Ray Morgan	2	Printer/Copier Monthly Lease	544.45
	River City Painting	1	Painting Services	290.00
	Ryan Wenker	1	Safety Footwear Reimbursement	230.95
	Safety Center	1	Employee Training	375.00
	Shawn Chaney	1	Certification Renewal Reimbursement	60.00
	Robert Half Management Resources	1	Employee Temp Services	792.96
	Robert Roscoe	1	Reimburse Out of Pocket Expenses	543.18
	Sophos Solutions	1	Systems Maintenance	5,680.00
	Sutter Medical Foundation	1	Preemployment Physicals	215.00
	Think Inc	1	Community Outreach	7,833.70
	Tina Lynn Design	6	Product Design Services	712.50
	Todd Artrip	1	Certification Renewal Reimbursement	64.60
	Tom Dickinson	1	Certification Renewal Reimbursement	60.00
	US Bank Corporate Payment Systems	1	Calcard	7,080.83
	USA Fence Company	2	Fence Repairs	693.20
	Vantiv Integrated Systems	1	Payment Systems	416.94
	Verizon Wireless	2	Cell Service	2,862.80
	Vision Technology Solutions LLC	1	Web Site Monthly Fees	233.05
	Vivax/Metrotech	2	Equipment Supplies	267.62
	Voyager Fleet Systems	1	Fuel	7,070.51
	Waste Management	4	Garbage Service	544.04
	Waterwise Consulting	2	Waterwise Audits	4,750.00
<b>DEBT SERVICE EXPENSES</b>				
	Wells Fargo Swap	1	COP Payments	90,209.38
	Sumitomo Mitsui Banking Corp.	1	COP Payments	23,786.07
<b>LEGAL &amp; AUDIT</b>				
	Bartkiewicz, Kronick & Shanahan	1	Legal	
<b>PAYROLL , PENSION &amp; BENEFITS</b>				
	ADP	3	September Payroll	546,779.69

Sacramento Suburban Water District  
Cash Expenditures  
September-16

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
	ACWA/JPIA Insurance/EAP	1	Employee Assistance Program	136.30
	ADP	3	Payroll Processing Fees	2,605.45
	Ameritas/Vision	1	Vision Insurance	1,701.72
	CIGNA - Dental Insurance	2	Dental Insurance	10,542.84
	CIGNA Healthcare	1	Life/LTD	3,368.57
	PERS Health	1	PERS Health Insurance	85,389.90
	PERS Pension	3	September Contributions	65,252.39
<b>BANK CHARGES</b>				
	Brinks	2	Courier Fees	540.18
	Westamerica Analysis Fees	1	Analysis Charge and Card Processing	7.23
	Westamerica Card Processing Fees	1	Monthly Card Processing Fee	4,385.49
	Wells Fargo Statement & Notices	1	Monthly Statement	13,026.04
<b>EMPLOYEE RETENTION/MORALE FUND</b>				
<b>Total Cash Expenditures</b>				<u><u>\$ 3,393,513.59</u></u>

**Credit Card Expenditures  
September 2016**

Sacramento Suburban Water District  
 US Bank Purchasing Card Program  
 CalCard Expenditures  
 September-16

Type	Vendor	Purpose	Cost
<b>CIP/OCB Expenses</b>			
<b>OPERATIONS &amp; MAINTENANCE</b>			
	Performance Mobile Detail	Detail District Vehicles	590.00
	Air Resources Board	Portable Equipment Permit	570.00
	Global Industrial	Rack Guards	60.65
	Amazon.com	Wireless Charger	91.96
	Plumbing Supply	Building Maintenance	106.39
	Flashpoint Studios	Messages on Hold	79.00
	Rakuten.com	Publication	4.37
	CWEA	Employment Ad	285.00
	Brown & Caldwell	Employment Ad	200.00
	Office Depot	Office Supplies	41.50
	Boxwood Technology	Employment Ad	295.00
	Boxwood Technology	Employment Ad	100.00
	Transitalent.com	Employment Ad	145.00
	CWEA	Employment Ad	285.00
	Smart & Final	Kitchen Restock	129.59
	Pollard Water	Wood Plugs	95.04
	Pollard Water	Wood Plugs	93.00
	Leatherman.com	Leatherman Replacement	54.01
	Four Points Sheraton	Conference Travel	352.21
	Southwest	Conference Travel	263.96
	Fred Pryor Seminars	Employee Training	199.00
	Southwest	Conference Travel	151.96
	Home Depot	Storage Boxes	98.87
	Southwest	Conference Travel	300.96
	USPS	Postage	8.64
	ACWA	Region 1 Spring Event	25.00
	ACWA	Conference Registration	480.00
	Southwest	Conference Travel	207.96
	Govt Finance Officers	Employee Training	85.00
	New Pig Corp	Generator Inspections	160.09
	Hach Company	Colorimeter Anlyzer	1,058.33
	Spec-Tech	Digital Display	451.66
	<b>Employee Morale Fund</b>		<b><u>7,069.15</u></b>

**Directors Compensation and Expense Accounting –  
Through September 2016**

Sacramento Suburban Water District  
Board of Directors Meetings Attended (1)  
Pay Rate per Diem is \$100.00  
September 2016

Director Locke:

09/01/2016 Facilities and Operations Committee  
09/19/2016 SSWD Regular Board Meeting  
09/21/2016 CSDA – CEQA Training  
09/30/2016 Facilities and Operations Committee

Director Schild:

09/01/2016 Facilities and Operations Committee  
09/12/2016 Meeting with Dan York/Budget (no pay)  
09/13/2016 Attend Dedication FRO2035  
09/14/2016 Tour SSWD Facilities/Main Replacement  
09/14/2016 San Juan Water District Board Mtg (no pay)  
09/16/2016 SSWD Budget Workshop  
09/19/2016 SSWD Regular Board Meeting  
09/21/2016 ACWA Federal Affairs Committee Mtg  
09/24/2016 Carmichael Founders Day  
09/29/2016 Tour of McClellan Park (no pay)  
09/30/2016 Facilities and Operations Committee

Director Wichert:

5 (Meetings Attended Reported Verbally)

Director Gayle:

09/15/2016 McClellan Restoration Meeting  
09/16/2016 SSWD Budget Workshop  
09/19/2016 SSWD Regular Board Meeting

Director Thomas:

09/06/2016 Meeting with Dan York  
09/07/2016 Brown Bag Conference – Drought  
09/08/2016 RWA Meeting  
09/16/2016 SSWD Budget Workshop  
09/19/2016 Meeting with Dan Bills  
09/21/2016 Aeroject CAG Meeting  
09/22/2016 Meeting with Dan York  
09/24/2016 Carmichael Founders Day

(1) Meetings attended during the current month as reported by individual directors.

This report meets the reporting requirements of Government Code section 53065.5. This information will be included with the agenda materials for each regular monthly Board of Directors meeting.

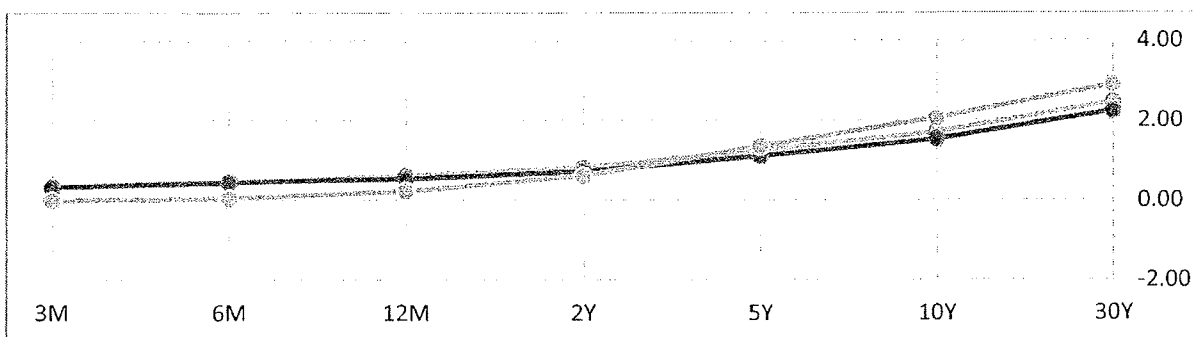


**Market Report Yields -  
January 2010 through August 2016**



**Sacramento Suburban Water District**  
**United States Treasury and Federal Reserve Yields/Rates**  
**As of: October 7, 2016**  
**(Source: Bloomberg Market Data)**

## US Treasury Yields



NAME	COUPON	PRICE	YIELD	1 MONTH	1 YEAR	TIME (EDT)
3 Month	0.00	0.31	0.32%	-2	+32	4:25 PM
6 Month	0.00	0.45	0.45%	-2	+39	4:25 PM
12 Month	0.00	0.62	0.63%	+8	+39	4:24 PM
2 Year	0.75	99.84	0.83%	+10	+21	4:25 PM
5 Year	1.13	99.34	1.26%	+14	-11	4:25 PM
10 Year	1.50	97.98	1.72%	+18	-35	4:25 PM
30 Year	2.25	95.64	2.46%	+22	-44	4:25 PM

Change shown in basis points

## Federal Reserve Rates

Rate	Current	1 Year Prior	Rate	Current	1 Year Prior
Fed Funds Rate	0.29	0.13	Fed Reserve Target	0.50	0.25
Prime Rate	3.50	3.25			

**Sacramento Suburban Water District  
District Maturities Compared to Average Market Maturities  
(Market is Merrill-Lynch 0-5 Year U.S. Treasury Index)**

<u>8/31/2016</u>	<u>SSWD Holdings</u>	<u>ML 0-5 Year UST Index</u>
Under 6 Months	0.0%	13.9%
6 - 12 Months	18.7%	12.1%
1 - 2 Years	25.7%	22.9%
2 - 3 Years	22.6%	20.4%
3 - 4 Years	14.5%	15.8%
4 - 5 Years	18.5%	15.0%
<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>

**Sacramento Suburban Water District**  
**District Monthly Yield and Return Compared to Average Market**  
**(Market is Merrill-Lynch 0-5 Year U.S. Treasury Index)**

	Unannualized Monthly Returns		Yield to Maturity at Cost SSWD Operating Fund
	SSWD	ML 0-5 Year UST Index	
1/31/2010	0.65%	0.87%	2.41%
2/28/2010	0.27%	0.25%	2.41%
3/31/2010	-0.24%	-0.38%	2.45%
4/30/2010	0.45%	0.38%	2.36%
5/31/2010	0.47%	0.63%	2.18%
6/30/2010	0.67%	0.67%	2.17%
7/31/2010	0.51%	0.49%	2.09%
8/31/2010	0.32%	0.39%	2.06%
9/30/2010	0.24%	0.22%	1.96%
10/31/2010	0.38%	0.31%	1.95%
11/30/2010	-0.35%	-0.33%	1.84%
12/31/2010	-0.49%	-0.52%	1.84%
1/31/2011	0.22%	0.27%	1.85%
2/28/2011	-0.08%	-0.18%	1.82%
3/31/2011	-0.01%	-0.05%	1.79%
4/30/2011	0.68%	0.59%	1.79%
5/31/2011	0.47%	0.57%	1.73%
6/30/2011	-0.01%	0.03%	1.69%
7/31/2011	0.52%	0.59%	1.57%
8/31/2011	0.43%	0.62%	1.43%
9/30/2011	-0.12%	-0.11%	1.41%
10/31/2011	0.14%	0.09%	1.40%
11/30/2011	0.01%	0.12%	1.30%
12/31/2011	0.19%	0.13%	1.29%
1/31/2012	0.48%	0.25%	1.28%
2/29/2012	0.07%	-0.24%	1.19%
3/31/2012	-0.09%	-0.16%	1.19%
4/30/2012	0.26%	0.39%	1.19%
5/31/2012	0.03%	0.16%	1.18%
6/30/2012	0.06%	-0.07%	1.18%
7/31/2012	0.38%	0.33%	1.18%
8/31/2012	0.10%	0.04%	1.09%
9/30/2012	0.06%	0.01%	1.09%
10/31/2012	-0.02%	-0.10%	1.08%
11/30/2012	0.19%	0.18%	0.98%
12/31/2012	-0.03%	-0.03%	0.91%
1/31/2013	-0.03%	-0.10%	0.90%
2/28/2013	0.20%	0.19%	0.87%
3/31/2013	0.05%	0.04%	0.86%
4/30/2013	0.21%	0.19%	0.81%
5/31/2013	-0.34%	-0.41%	0.79%
6/30/2013	-0.42%	-0.32%	0.80%
7/31/2013	0.25%	0.19%	0.80%
8/31/2013	-0.30%	-0.22%	0.81%
9/30/2013	0.36%	0.41%	0.83%
10/31/2013	0.22%	0.19%	0.87%
11/30/2013	0.15%	0.09%	0.89%
12/31/2013	-0.27%	-0.37%	0.88%
1/31/2014	0.41%	0.34%	0.88%
2/28/2014	0.18%	0.12%	0.88%
3/31/2014	-0.21%	-0.24%	0.87%
4/30/2014	0.25%	0.20%	0.89%
5/31/2014	0.29%	0.32%	0.90%
6/30/2014	-0.02%	-0.08%	0.92%
7/31/2014	-0.11%	-0.17%	0.95%
8/31/2014	0.23%	0.28%	0.98%
9/30/2014	-0.14%	-0.14%	0.97%
10/31/2014	0.32%	0.39%	0.97%
11/30/2014	0.24%	0.25%	0.98%
12/31/2014	-0.19%	-0.27%	1.02%
1/31/2015	0.71%	0.81%	1.03%
2/28/2015	-0.21%	-0.40%	1.06%
3/31/2015	0.28%	0.34%	1.10%
4/30/2015	0.09%	0.03%	1.10%
5/31/2015	0.06%	0.08%	1.12%
6/30/2015	-0.13%	-0.07%	1.14%
7/31/2015	0.17%	0.15%	1.15%
8/31/2015	-0.05%	-0.01%	1.15%
9/30/2015	0.38%	0.43%	1.18%
10/31/2015	0.02%	-0.18%	1.28%
11/30/2015	-0.12%	-0.24%	1.28%
12/31/2015	-0.23%	-0.11%	1.32%
1/31/2016	0.68%	0.86%	1.32%
2/29/2016	0.14%	0.20%	1.35%
3/31/2016	0.44%	0.20%	1.35%
4/30/2016	0.08%	0.01%	1.36%
5/31/2016	-0.04%	-0.12%	1.38%
6/30/2016	0.69%	0.78%	1.38%
7/31/2016	0.05%	-0.03%	1.38%
8/31/2016	0.17%	-0.24%	1.38%

**District Reserve Balances  
September 30, 2016**

**Sacramento Suburban Water District  
Reserve Fund Balance**

	<u>September 30, 2016</u>	<u>December 31, 2015</u>
Debt Service Reserve	\$ 3,551,022	\$ 3,523,427
Facilities Reimbursement	-	21,873
Emergency/Contingency	10,387,000	10,758,000
Operating	6,490,750	6,468,857
Rate Stabilization	5,630,000	5,870,000
Interest Rate Risk	-	-
Grant	1,068,000	654,000
Capital Asset	20,017,861	16,542,963
<b>TOTAL</b>	<u><u>\$ 47,144,634</u></u>	<u><u>\$ 43,839,120</u></u>

**Cash and Investments  
Per District Balance Sheet  
(Provided for Reconciliation Purposes)**

	<u>September 30, 2016</u>	<u>December 31, 2015</u>
Cash and cash equivalents	\$ 5,705,428	\$ 3,109,581
Investments	37,888,183	37,206,113
Restricted assets	3,551,022	3,523,427
<b>TOTAL</b>	<u><u>\$ 47,144,634</u></u>	<u><u>\$ 43,839,120</u></u>

## **Information Required by Bond Agreement**

**Sacramento Suburban Water District  
Schedule of Net Revenues**

	<i>As Of</i>	<i>Amended Budget</i>
	<i>Actual Year-To-Date 9/30/2016</i>	<i>Year-To-Date 9/30/2016</i>
<b>REVENUES</b>		
Water sales charges	\$14,144,925.52	\$14,425,253.00
Capital facilities charge	16,644,084.00	16,523,251.00
Facility development charges	249,420.00	374,994.00
Interest and investment income	788,434.35	510,003.00
Rental & other income	201,791.57	225,000.00
<b>TOTAL REVENUES</b>	<b>32,028,655.44</b>	<b>32,058,501.00</b>
<b>EXPENSES</b>		
Source of supply	1,847,238.50	1,689,014.97
Pumping	2,807,316.02	2,876,321.10
Transmission and distribution	2,512,191.08	2,535,143.37
Water conservation	321,181.48	390,945.82
Customer accounts	847,989.60	890,775.92
Administrative and general	4,563,526.90	4,977,384.27
<b>TOTAL EXPENSES</b>	<b>12,899,443.58</b>	<b>13,359,585.45</b>
<b>NET REVENUE</b>	<b>19,129,211.86</b>	<b>18,698,915.55</b>

Sacramento Suburban Water District  
6 - Months Debt Service Schedule  
9/30/2016

Month	Principal	Total SSWD Debt Service			Debt Service
		Interest Adjustable/Fixed/Swap	Facility Fee	Remarketing	
Oct-16	\$3,945,000.00	\$ 1,227,885.32	\$ -	\$ -	\$5,172,885.32
Nov-16	-	106,022.32	-	-	106,022.32
Dec-16	-	106,022.32	47,250.00	13,125.00	166,397.32
Jan-17	-	106,022.32	-	-	106,022.32
Feb-17	-	106,022.32	-	-	106,022.32
Mar-17	-	106,022.32	-	-	106,022.32

Month	Principal	Series 2012A Fixed Rate Bonds (\$23,440,000.00)			Debt Service
		Interest - Fixed 4.25%	Facility Fee	Remarketing	
Oct-16	\$1,995,000.00	\$ 461,613.00	\$ -	\$ -	\$2,456,613.00
Nov-16	-	-	-	-	-
Dec-16	-	-	-	-	-
Jan-17	-	-	-	-	-
Feb-17	-	-	-	-	-

Month	Principal	Series 2009A Adjustable Rate COPs (\$42,000,000.00)			Debt Service
		Interest, Adjustable 0.82%	Facility Fee 0.450%	Remarketing 0.125%	
Oct-16	\$ -	\$ 28,700.00	\$ -	\$ -	\$ 28,700.00
Nov-16	-	28,700.00	-	-	28,700.00
Dec-16	-	28,700.00	47,250.00	13,125.00	89,075.00
Jan-17	-	28,700.00	-	-	28,700.00
Feb-17	-	28,700.00	-	-	28,700.00
Mar-17	-	28,700.00	-	-	28,700.00

Month	Principal	Series 2009B Fixed Rate COPs (\$27,915,000)			Debt Service
		Interest - Fixed 5.00%	Facility Fee	Remarketing	
Oct-16	\$1,950,000.00	\$ 660,250.00	\$ -	\$ -	\$2,610,250.00
Nov-16	-	-	-	-	-
Dec-16	-	-	-	-	-
Jan-17	-	-	-	-	-
Feb-17	-	-	-	-	-
Mar-17	-	-	-	-	-

Month	Principal	2012 SWAP Interest, Net (\$33,000,000.00)			Debt Service
		Interest, Swap Net (3.283-0.31661-0.18)%	Facility Fee	Remarketing	
Oct-16		\$ 77,322.32	-	-	77,322.32
Nov-16		\$ 77,322.32	-	-	77,322.32
Dec-16		\$ 77,322.32	-	-	77,322.32
Jan-17		\$ 77,322.32	-	-	77,322.32
Feb-17		\$ 77,322.32	-	-	77,322.32
Mar-17		\$ 77,322.32	-	-	77,322.32





## Agenda Item: 16

**Date:** October 10, 2016

**Subject:** Financial Markets Quarterly Report

**Staff Contact:** Daniel A. Bills, Finance Director

**Summary of District's Debt Portfolio:**

Debt	Original Par	Outstanding	Issuance	Credit Enhancement	Final Maturity
2009A	\$ 42,000,000	\$ 42,000,000	Adjustable Rate Revenue COP's	Sumitomo Bank*	11/1/2034
2009B	\$ 36,155,000	\$ 26,045,000	Fixed Rate Revenue COP's		11/1/2028
2012A	\$ 29,200,000	\$ 21,515,000	Fixed Rate Revenue Bond		11/1/2027
	<u>\$107,355,000</u>	<u>\$ 89,560,000</u>			

\* Credit enhancement expires 6/30/2018

**Current Status of District's Variable-Rate Debt Portfolio:**

Debt	Outstanding	Credit Enhancement	Bank Owned	Sold in Market	Market Rate
2009A	\$42,000,000	Sumitomo Bank LOC	None	\$42,000,000	0.82%
	Notional Amount	Counterparty	FMV	Receive Rate	Fixed Rate
Swap	\$33,300,000	Wells Fargo Bank, N.A.	(\$9,773,552)	0.497%	3.283%

**Current Status of District's Investment Portfolio (September 30, 2016):**

Fair Market Value	Security Type	Yield
\$ 2,151,249	LAIF	0.61%
524,949	Supra-National Agency Bond	1.10%
7,985,451	Certificates of Deposit	1.19%
9,623,133	Corporate Notes	1.78%
6,983,384	Agency Securities Bonds/Notes	1.14%
1,912,543	Municipal Bonds	1.85%
7,009,000	Treasury Bonds/Notes	1.35%
1,316,793	Agency Collateralized Mortgage Obligation	0.79%
<u>2,532,931</u>	Asset-Backed Securities/CMOs	<u>1.23%</u>
<u>\$40,039,433</u>		<u>1.34%</u>

**Market:**

Listed below is the most recent market summary provided by the District's Investment Portfolio Advisor (PFM Asset Management):

**Current Bond Markets**

- Treasury yields remained low in September, and most fell modestly. But the yield curve steepened as the yield between 2-year and 30-year Treasuries widened by 17 basis points (bps). The Fed's reluctance to raise rates put downward pressure on short- and intermediate-term rates, while the perception of a modest rise in labor costs and increases in commodity prices pressured long-term maturity yields upward.
- Most Treasury benchmarks had positive returns for the month. The exception was long-maturity benchmarks, which were negative, but these had provided double-digit year-to-date (YTD) returns through August.
- Federal agency spreads drifted tighter throughout September. As a result, agency benchmarks slightly outperformed those of similar-duration Treasuries for the third month in a row.
- Investment-grade corporate yield spreads widened modestly during the month from their lowest levels of the year. Corporate bonds underperformed comparable-maturity Treasuries for the first time since Britain's "Brexit" vote to leave the European Union, but retained significant excess returns YTD.
- Asset-backed securities (ABS) and mortgage-backed securities (MBS) outperformed comparable-maturity Treasuries as modest changes in interest rates kept prepayment risk muted.
- Yields on money market securities with maturities of threemonths and longer rose to their highest levels of the year as we approached the October implementation date for significant reform to money market fund rules.

**PFM Outlook**

- The economy surprised a bit on the upside in August and a bit on the weak side in September, but overall there is nothing to challenge the "lower for longer" view that has informed our strategy in recent months. The pace of growth is slow when compared with other recent business cycles, inflation is weak, and interest rates in developed markets remain very low.
- The U.S. presidential election remains a source of uncertainty, with most observers holding the view that a Donald Trump win would trigger market volatility.
- Although the Fed passed on raising short-term rates in September, the likelihood of a post-election rate hike in December has strengthened. Outside the U.S., central banks continue to administer accommodative monetary policy, keeping rates low globally and supporting elevated asset prices.
- Portfolios are positioned close to benchmark durations in an effort to protect them from unpredictable rate moves and market volatility.
- As investment-grade corporate yield spreads have tightened further, the incremental return potential for the corporate bond sector has declined. Despite tighter spreads and robust issuance, market demand has been strong. We are maintaining allocations to the credit sectors, while being more selective and not increasing the allocations.
- We believe money market reform has created exceptional opportunities in shorter-term credit instruments like commercial paper and negotiable bank certificates of deposit (CDs). In some cases, short-term credit securities offer yields higher than much longer term Treasuries and agencies. We expect the forces that have created these opportunities to persist after the reform

takes effect on October 14 and anticipate that liquid assets may be directed into high-quality credit instruments.

(Source: PFMAM September 2016 Monthly Market Review).

**Debt Portfolio:**

The District's debt portfolio is now primarily fixed-rate debt, with such issuances representing 53% of the District's portfolio. While the District's exposure to market conditions has been reduced, the District is exposed to interest rate risk primarily on the un-hedged portion of its variable-rate COP, representing \$8.7 million. Such risk is managed by the District through adherence to the District's Reserve Policy that addresses the management of interest rate risk through prudent investing of reserves in short-term variable-rate securities in an amount at least equal to the un-hedged debt exposure.

**Investment Portfolio:**

In this market environment, the investment objective is to position portfolio durations modestly short of benchmarks while emphasizing intermediate maturities and underweighting longer maturities thus shortening the portfolio.



## Agenda Item: 17

**Date:** October 7, 2016

**Subject:** Year-to-Date Interest Expense Quarterly Report

**Staff Contact:** Daniel A. Bills, Finance Director

Interest expense consists of: 1) interest paid to bondholders, 2) letter-of-credit facility fees, 3) remarketing fees, 4) arbitrage rebate liabilities, and 5) net SWAP interest.

Year-to-date, the District has incurred interest expense of \$2,698,382 versus a forecast of \$2,795,000 or a \$96,618 positive variance. The combination of the municipal bond markets continuing to remain stable with debt trading at or near historic lows and the “receive-rate” on the interest rate swap exceeding interest expense on variable-rate debt have led to the positive results. However, latest trends indicate a rise in variable-rate debt.

**Sacramento Suburban Water District  
Interest Expense  
2016**

	<u>A</u> 2016	<u>B</u> 2016	<u>A - B</u> 2016	2016
	Debt Interest FORECAST	Actual Debt Service Cost	DIFFERENCE	CUMULATIVE YTD DIFFERENCE
<b>2016</b>				
January	\$ 321,666	\$ 296,274	\$ 25,392	\$ 25,392
February	321,667	264,179	57,488	82,880
March	321,667	331,256	(9,589)	73,291
April	321,666	272,503	49,163	122,454
May	321,667	269,860	51,807	174,261
June	321,667	342,934	(21,267)	152,994
July	288,333	282,210	6,123	159,117
August	288,333	338,615	(50,282)	108,835
September	288,334	300,551	(12,217)	96,618
October				
November				
December				
<b>TOTAL 2015</b>	<u>\$ 2,795,000</u>	<u>\$ 2,698,382</u>	<u>\$ 96,618</u>	



## Agenda Item: 18

**Date:** October 10, 2016

**Subject:** 2016 Lead and Copper Sampling Program

**Staff Contact:** Jim Arenz, Operations Manager

The State Water Resources Control Board, Division of Drinking Water (DDW) enforces the Lead and Copper Rule, which follows the U.S. Environmental Protection Agency's (EPA's) Lead and Copper Rule, and is used to protect the public's drinking water from metals that can adversely affect public health. The Lead and Copper Rule requires water systems to monitor lead and copper levels at the consumers' taps. If action levels for lead (0.015 mg/L) or copper (1.3 mg/L) are exceeded, installation or modifications to corrosion control treatment is required. If the action level for lead is exceeded, public notification is required.

In accordance with state regulations, the District has completed its 2016 Lead and Copper Sampling Program (Program). To improve the efficacy of the Program, before monitoring began Environmental Compliance staff worked very diligently to conduct a system-wide search for Tier 1 locations (single family residences built between 1983 and 1988 that have copper pipe with lead solder) and then compared the results of that search with existing monitoring locations. Where appropriate, existing locations were replaced in instances where revised locations were determined to better represent Tier 1 requirements and provide improved overall system coverage.

The District is required to procure samples from a minimum of fifty locations over the entire service area. To ensure an adequate response, letters were sent to more than 100 customers resulting in 62 responses. In a very short time frame, from August 1, 2016 to September 5, 2016, staff coordinated with District customers to procure all 62 samples collected by customers for the 2016 sampling program. Fifty-five of the sixty-two locations monitored in 2016 meet the Tier 1 requirements as single-family residences that have service lines with lead solder and/or copper plumbing with lead solder that were built between 1983 and 1988 when all states were to have adopted USEPA's 1986 lead (solder) ban. Also, the distribution of the sites monitored during the 2016 Program reduces sample cluster and provides better system coverage overall.

The District is required to report sampling results to participating customers within 30 days of laboratory reporting to the District. The District met this requirement completing the required reporting to customers on September 16, 2016. Customers were informed of their lead and

## 2016 Lead and Copper Sampling Program

October 10, 2016

Page 2 of 2

copper sampling results as well as the 90th percentile lead and copper results for the system overall.

The results of the sampling and other required documentation were reported to DDW on September 21, 2016 (see Exhibit 1). The sampling results show that the 90th percentile was ND (none detected) for lead and 0.230 mg/L for copper, both well below the action levels noted above.

The District is committed to delivering a safe, reliable source of drinking water to all customers. Part of that commitment includes monitoring water quality to ensure that it meets state and federal drinking water standards. While lead and copper sampling comprises only a small portion of the District's overall water quality monitoring program, the results from the 2016 Program, as well as historical results, indicate that lead and copper levels remain consistently below their respective action level.

General Manager

Robert S. Roscoe, P. E.

Exhibit 1



Board of Directors

President - Kevin M. Thomas  
Vice President - Robert P. Wichert  
Frederick A. Gayle  
Craig M. Locke  
Neil W. Schild

September 21, 2016

Mr. Ali R. Rezvani, P.E.  
Sacramento District Engineer  
Division of Drinking Water  
Sacramento District Office  
1001 I Street, 13th Floor  
Sacramento, CA 95814

**SUBJECT: Sacramento Suburban Water District 2016 Lead and Copper Sampling Program (PWS No. 3410001)**

Dear Mr. Rezvani:

Enclosed with this letter are the requisite documents that summarize the details associated with Sacramento Suburban Water District's (District) 2016 Lead and Copper Sampling Program. Sixty-two samples were collected by District customers between August 1, 2016, and September 5, 2016. The District completed reporting to customers on September 16, 2016, whereby customers were informed of their lead and copper sampling results as well as the 90<sup>th</sup> percentile lead (none detected) and copper (0.230 mg/L) results for the system overall. The District completed reporting those results to customers within 30 days of laboratory reporting to the District.

Before monitoring began, the District conducted a system-wide search for Tier 1 locations (single family residences built between 1983 and 1988 that have copper pipe with lead solder) and compared that list with existing monitoring locations. Where appropriate, existing locations were replaced in instances where revised locations were determined to better represent Tier 1 requirements and provide overall system coverage.

Documents attached to this letter include:

- USEPA Form 141-A Sample Site Identification and Certification
- A list of the 2016 lead and copper monitoring locations
- A list of monitoring locations that were replaced
- Sampling instructions and sample information card provided to customers
- 90<sup>th</sup> percentile calculations for lead and copper
- A sample of a letter reporting results and other requisite information to customers
- Lead and copper laboratory reports



Should you have any questions or concerns with the District's 2016 Lead and Copper Sampling Program, or with any of the documents enclosed, please feel free to contact me at (916) 679-2880, or via email at [jarenz@sswd.org](mailto:jarenz@sswd.org).

Sincerely,

A handwritten signature in black ink, appearing to read "James Arenz", written in a cursive style.

James Arenz  
Operations Manager

Attachments: As stated above

### SAMPLE SITE IDENTIFICATION AND CERTIFICATION

System's Name: Sacramento Suburban Water District System Type:  CWS  NTNCWS

Address: 3701 Marconi Ave. Ste. 100 Number of People Served:

Sacramento, CA 95821

>100,000  501 to 3,300

10,001 to 100,000  101 to 500

3,301 to 10,000  ≤ 100

System ID #: 3410001

Contact Person: James Arenz Telephone number: 916-679-2880

### CERTIFICATION OF SAMPLING SITES

#### LEAD SOLDER SITES

# of single-family structures with copper pipes with lead solder installed after 1982 or lead pipes and/or lead service lines (Tier 1)	<u>55</u>
# of multi-family structures with copper pipes with lead solder installed after 1982 or lead pipes and/or lead service lines (Tier 1)	<u>0</u>
# of buildings containing copper pipes with lead solder installed after 1982 or lead pipes and/or lead service lines (Tier 2)	<u>2</u>
# of sites that contain copper pipes with lead solder installed before 1983 (Tier 3)	<u>4</u>
# of sites that do not meet Tier 1, 2, or 3 criteria (to be used only if other conditions have been exhausted)	<u>1</u>
<b>TOTAL</b>	<b><u>62</u></b>

The following sources have been explored to determine the number of structures which have interior lead pipe or copper pipe with lead solder.

- Plumbing and/or building codes
- Plumbing and/or building permits
- Contacts within the building department, municipal clerk's office, or State regulatory agencies for historical documentation of the service area development
- Water Quality Data

#### Other Resources Which PWS May Utilize

- Interviews with building inspectors
- Survey of service area plumbers about when and where lead solder was used from 1982 to present
- Survey residents in sections of the service area where lead pipe and/or copper pipe with lead solder is suspected to exist
- Interviews with local contractors and developers

Explanation of Tier 2 and Tier 3 sites (attach additional pages if necessary) All Tier 3 are multi-family housing on the former McClellan AFB; Non-tier is from a 1985 home that was re-plumbed in 2013.

**SAMPLE SITE IDENTIFICATION AND CERTIFICATION**

**CERTIFICATION OF SAMPLING SITES**

**LEAD SERVICE LINE SITES**

# of samples required to be drawn from lead service line sites	<u>0</u>
# of samples actually drawn from lead service line sites	<u>0</u>
Difference (explain differences other than zero)	<u>0</u>

The following sources have been explored to determine the number of lead service lines in the distribution system.

- Distribution system maps and record drawings
- Information collected for the presence of lead and copper as required under the Code of Federal Regulations (CFR), 40 CFR 141.42.
- Capital improvement plans and/or master plans for distribution system development
- Current and historical standard operating procedures and/or operation and maintenance (O&M) manuals for the type of materials used for service connections
- Utility records including meter installation records, customer complaint investigations and all historical documentation which indicate and/or confirm the location of lead service connections
- Existing water quality data for indications of "troubled areas"

**Other Sources Which PWS Utilized**

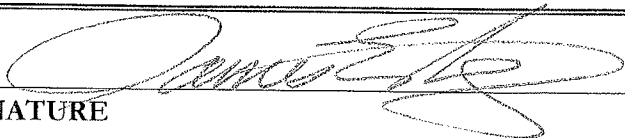
- Interviews with senior personnel
- Conduct service line sampling where lead service lines are suspected to exist but their presence is not confirmed
- Review of permit files
- Community survey
- Review of USGS maps and records
- Interviews with pipe suppliers, contractors, and/or developers

Explanation of fewer than 50% LSL sites identified (attach additional pages if necessary): SSWD has no records indicating that LSLs exist or have been used. Also, staff have never encountered LSLs in the field.

**CERTIFICATION OF COLLECTION METHODS**

I certify that:

- Each first draw tap sample for lead and copper is 1 liter in volume and has stood motionless in the plumbing system of each sampling site for at least 6 hours.
- Each first draw sample collected from a single-family residence has been collected from the cold water kitchen tap or bathroom sink tap.
- Each first draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.
- Each first-draw sample collected during an annual or triennial monitoring period has been collected in the months of June, July, August, or September or in the alternate period specified by the State.
- Each resident who volunteered to collect tap water samples from his or her home has been properly instructed by [insert water system's name] Sacramento Suburban Water District in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results. Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of the residents who performed sampling.

SAMPLE SITE IDENTIFICATION AND CERTIFICATION			
RESULTS OF MONITORING			
<b>THE RESULTS OF LEAD AND COPPER TAP WATER SAMPLES MUST BE ATTACHED TO THIS DOCUMENT</b>			
# of samples required	<u>50</u>	# of samples submitted	<u>62</u>
90th Percentile Pb	<u>ND</u>	90th Percentile Cu	<u>0.230</u> ppm
<i>Note: If the State has informed you that it will calculate your 90<sup>th</sup> percentile levels, you do not need to submit the 90<sup>th</sup> percentile calculations. However, you must still provide your sample results to the State by the deadline that they have specified.</i>			
<b>THE RESULTS OF WATER QUALITY PARAMETER SAMPLES MUST BE ATTACHED TO THIS DOCUMENT</b>			
# of WQP tap samples required	<u>0</u>	# of WQP tap samples submitted	<u>    </u>
# of entry point samples required	<u>0</u>	# of entry point samples submitted	<u>    </u>
CHANGE IN SAMPLING SITES			
Original site address:	<u>See attached</u>		
New site address:	<u>See attached</u>		
Distance between sites (approximately):	<u>Various</u>		
Targeting Criteria: NEW:	<u>Tier 1 &amp; system coverage</u>	OLD:	<u>Unknown</u>
Reason for change (attach additional pages if necessary) <u>55 of the 62 locations monitored this round are single- family residences that have service lines with lead solder and/or copper plumbing with lead solder that were built between 1983 and 1988 when all States were to have adopted USEPA's 1986 lead (solder) ban. Also, the distribution of the sites monitored reduces sample cluster and provides better system coverage overall</u>			
<div style="text-align: center;">  </div>			
<b>SIGNATURE</b>	<u>James Arenz</u>	<u>Operations Manager</u>	<u>9/21/2016</u>
<b>PRINTED NAME</b>	<b>TITLE</b>	<b>DATE</b>	

**Note:** The 2000 LCRM no longer requires you to complete the certification of sampling sites, or certification of collection methods. A modified version of Form 141-A is provided below. This revised form deletes those certifications that are no longer required under the 2000 LCRM. Please check with your State before using the revised Form 141-A.

**SACRAMENTO SUBURBAN WATER DISTRICT  
LEAD AND COPPER MONITORING**

**2016 MONITORING LOCATIONS<sup>1</sup>**

<b>Address</b>	<b>Street</b>	<b>City</b>	<b>Zip</b>
7041	34th St	N. Highlands	95660
7101	34th St	N. Highlands	95660
2870	Azalea Rd	Sacramento	95864
3131	Becerra Way	Sacramento	95821
6007	Broken Arrow Ct	Citrus Heights	95621
7930	Cook Riolo Rd	Antelope	95843
7931	Cook Riolo Rd	Antelope	95843
7945	Cook Riolo Rd	Antelope	95843
7990	Cook Riolo Rd	Antelope	95843
3813	Country Haven	Sacramento	95821
3815	Edison Ave	Sacramento	95821
5840	Garfield Ave., Apt #19	Sacramento	95841
6412	Indian River Dr	Citrus Heights	95621
3241	James Way	McClellan	95652
1433	Kingsford Dr	Carmichael	95608
1517	Kingsford Dr	Carmichael	95608
7259	La Tour Drive	Sacramento	95842
5709	Luce Ave	McClellan	95652
1830	Maple Glen Rd	Sacramento	95864
1950	Maple Glen Rd	Sacramento	95864
5647	Markos Court	Sacramento	95841
4210	Mason Ln	Sacramento	95821
7120	Minoress Way	Sacramento	95842
7160	Minoress Way	Sacramento	95842
7164	Minoress Way	Sacramento	95842
3407	Mitchell St	McClellan	95652
7834	Mohican Way	Antelope	95843
3509	Navaho Dr	McClellan	95652
4000	Pima Way	Antelope	95843
4008	Riding Club Ln	Sacramento	95864
540	Rodante Way	Sacramento	95864
2814	Roxburgh Ln	Sacramento	95864
3021	Sand Dollar Way	Sacramento	95821
3029	Sand Dollar Way	Sacramento	95821
3077	Sand Dollar Way	Sacramento	95821
3081	Sand Dollar Way	Sacramento	95821

## SACRAMENTO SUBURBAN WATER DISTRICT LEAD AND COPPER MONITORING

### 2016 MONITORING LOCATIONS<sup>1</sup>

Address	Street	City	Zip
4824	Savant Drive	Sacramento	95842
6500	Shadow Hawk Dr	Citrus Heights	95621
6504	Shadow Hawk Dr	Citrus Heights	95621
6512	Shadow Hawk Dr	Citrus Heights	95621
6520	Shadow Hawk Dr	Citrus Heights	95621
5001	Strasbourg Way	Sacramento	95842
5011	Strasbourg Way	Sacramento	95842
4940	Sudbury Way	Carmichael	95608
5038	Surle Court	Sacramento	95842
4871	Thousand Oaks Ct	Carmichael	95608
5607	Verner Oak Ct	Sacramento	95841
5624	Verner Oak Ct	Sacramento	95841
5628	Verner Oak Ct	Sacramento	95841
5640	Verner Oak Ct #1	Sacramento	95841
5714	Verner Oak Ct	Sacramento	95841
545	Wilhaggin Dr	Sacramento	95864
1020	Wilhaggin Park Ln	Sacramento	95864
1031	Wilhaggin Park Ln	Sacramento	95864
1064	Wilhaggin Park Ln	Sacramento	95864
1092	Wilhaggin Park Ln	Sacramento	95864
1093	Wilhaggin Park Ln	Sacramento	95864
1097	Wilhaggin Park Ln	Sacramento	95864
4818	Winding Ridge Ct	Sacramento	95841
4839	Winding Ridge Ct	Sacramento	95841
3978	Woodpointe Circle	Sacramento	95821
3982	Woodpointe Circle	Sacramento	95821

<sup>1</sup>: Includes pre-2016 monitoring locations and 2016 replacement/additional monitoring locations.

**SACRAMENTO SUBURBAN WATER DISTRICT  
LEAD AND COPPER MONITORING**

**REPLACED (PRE- 2016) MONITORING LOCATIONS**

<b>Address</b>	<b>Street</b>	<b>City</b>	<b>Zip</b>
3901	Aberdeen	Sacramento	95821
3916	Aberdeen	Sacramento	95821
3930	Aberdeen	Sacramento	95821
3905	Adelheid Way	Sacramento	95821
3910	Adelheid Way	Sacramento	95821
3915	Adelheid Way	Sacramento	95821
4081	Alta Lorraine Way	N. Highlands	95660
4090	Alta Lorraine Way	N. Highlands	95660
4049	Bruce Way	N. Highlands	95660
6317	Doncrest Ln	N. Highlands	95660
6340	Doncrest Ln	N. Highlands	95660
6344	Doncrest Ln	N. Highlands	95660
6345	Doncrest Ln	N. Highlands	95660
6348	Doncrest Ln	N. Highlands	95660
6364	Doncrest Ln	N. Highlands	95660
4070	Farmer Way	N. Highlands	95660
4074	Farmer Way	N. Highlands	95660
4082	Farmer Way	N. Highlands	95660
4521	Garfield Ave.	Carmichael	95608
4205	Glascow Drive	N. Highlands	95660
3801	Hillcrest Ln	Sacramento	95821
3905	Hillcrest Ln	Sacramento	95821
4828	Jela Way	N. Highlands	95660
7553	Mountain Oak Way	N. Highlands	95660
7557	Mountain Oak Way	N. Highlands	95660
7564	Mountain Oak Way	N. Highlands	95660
3439	Whitnor Ct	Sacramento	95821
5217	Whitney Avenue	Carmichael	95608



Sacramento Suburban Water District  
Lead and Copper  
Water Sampling Instructions

**Please follow the directions carefully:**

- **Collect sample after 6 to 12 hours of no inside or outside water use**
- **Collect sample from a routinely-used drinking water faucet (i.e. kitchen or bathroom sink)**
- **Make sure there are no point-of-use treatment devices (i.e. filter or softener)**
- **Hold the bottle directly under the faucet before turning on the water**
- **Do not rinse the bottle and avoid splashing**
- **Collect sample from the cold water tap**
- **Fill bottle to the line at the top then cap the bottle tightly**
- **Fill out all of the information on the back of this form**
- **Call our office at (916) 679-2899 to schedule your pick up**
- **Leave the bottle outside your front door so we may pick it up without disturbing you**

**Please collect your sample by:**

---

**Call our office at (916) 679-2899  
to schedule your pick up once the  
sample is collected.**

If you have any questions regarding these instructions please call us at (916) 679-2899. You will receive the results of the tests in approximately 6-8 weeks. Thank you for your cooperation.



***Please Complete All Fields on this Side of the Form***

Sample Date: \_\_\_\_\_

Sample Time: \_\_\_\_\_

Sample Location (remember to use the cold water tap):

Kitchen

Bathroom

Other

Print Name: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, and Zip Code: \_\_\_\_\_

I have read the Water Sampling Instructions and have taken a tap sample in accordance with these instructions.

Signature: \_\_\_\_\_

**2016 SSWD LEAD and COPPER MONITORING  
90TH PERCENTILE LEAD**

	Address	Street	Sample Date	Pb Result (µg/L)
1	7041	34th St	9/5/2016	ND
2	7101	34th St	9/2/2016	ND
3	2870	Azalea Rd	8/8/2016	ND
4	3131	Becerra Way	8/3/2016	ND
5	6007	Broken Arrow Ct	8/3/2016	ND
6	7930	Cook Riolo Rd	8/4/2016	ND
7	7931	Cook Riolo Rd	8/17/2016	ND
8	7945	Cook Riolo Rd	8/14/2016	ND
9	7990	Cook Riolo Rd	8/17/2016	ND
10	3813	Country Haven Ct	8/10/2016	ND
11	3815	Edison Ave	8/16/2016	ND
12	5840	Garfield Ave., Apt #19	8/3/2016	ND
13	6412	Indian River Dr	8/4/2016	ND
14	3241	James Way	8/10/2016	ND
15	1433	Kingsford Dr	8/15/2016	ND
16	1517	Kingsford Dr	8/10/2016	ND
17	7259	La Tour Drive	8/8/2016	ND
18	5709	Luce Ave	8/2/2016	ND
19	1830	Maple Glen Rd	8/17/2016	ND
20	1950	Maple Glen Rd	8/2/2016	ND
21	5647	Markos Court	8/15/2016	ND
22	4210	Mason Ln	8/4/2016	ND
23	7120	Minoress Way	8/11/2016	ND
24	7160	Minoress Way	8/18/2016	ND
25	7164	Minoress Way	8/15/2016	ND
26	3407	Mitchell St	8/22/2016	ND
27	7834	Mohican Way	8/22/2016	ND
28	3509	Navaho Dr	8/23/2016	ND
29	4000	Pima Way	8/23/2016	ND
30	4008	Riding Club Ln	8/16/2016	ND
31	540	Rodante Way	8/8/2016	ND
32	2814	Roxburgh Ln	8/3/2016	ND
33	3021	Sand Dollar Way	8/1/2016	ND
34	3029	Sand Dollar Way	8/4/2016	ND
35	3077	Sand Dollar Way	8/2/2016	ND
36	4824	Savant Drive	8/4/2016	ND
37	6500	Shawdow Hawk Dr	8/2/2016	ND
38	6504	Shawdow Hawk Dr	8/12/2016	ND
39	6512	Shawdow Hawk Dr	8/8/2016	ND
40	6520	Shawdow Hawk Dr	8/2/2016	ND
41	5001	Strasbourg Way	8/10/2016	ND
42	5011	Strasbourg Way	8/23/2016	ND
43	4940	Sudbury Way	8/2/2016	ND
44	5038	Surle Court	8/3/2016	ND
45	4871	Thousand Oaks Ct	8/24/2016	ND
46	5607	Verner Oak Ct	8/16/2016	ND
47	5624	Verner Oak Ct	8/11/2016	ND

**2016 SSWD LEAD and COPPER MONITORING  
90TH PERCENTILE LEAD**

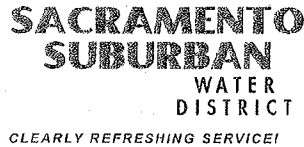
	<b>Address</b>	<b>Street</b>	<b>Sample Date</b>	<b>Pb Result (µg/L)</b>
48	5628	Verner Oak Ct	8/10/2016	ND
49	5640	Verner Oak Ct #1	8/8/2016	ND
50	5714	Verner Oak Ct	8/10/2016	ND
51	545	Wilhaggin Dr	8/7/2016	ND
52	1020	Wilhaggin Park Ln	8/2/2016	ND
53	1031	Wilhaggin Park Ln	8/7/2016	ND
54	1064	Wilhaggin Park Ln	8/10/2016	ND
55	1092	Wilhaggin Park Ln	8/9/2016	ND
56	1093	Wilhaggin Park Ln	8/7/2016	<b>ND</b>
57	1097	Wilhaggin Park Ln	8/8/2016	ND
58	4818	Winding Ridge Ct	8/2/2016	ND
59	4839	Winding Ridge Ct	8/3/2016	ND
60	3978	Woodpointe Circle	8/4/2016	ND
61	3982	Woodpointe Circle	8/25/2016	ND
62	3081	Sand Dollar Way	8/4/2016	5.8
			Number of Samples=	62
			90th Percentile Number=	56
			90th Percentile Result=	<b>ND</b>

**2016 SSWD LEAD and COPPER MONITORING  
90TH PERCENTILE COPPER**

Number	Address	Street	Sample Date	Cu Result (mg/L)
1	7041	34th St	9/5/2016	ND
2	7101	34th St	9/2/2016	ND
3	6007	Broken Arrow Ct	8/3/2016	ND
4	7930	Cook Riolo Rd	8/4/2016	ND
5	7931	Cook Riolo Rd	8/17/2016	ND
6	7945	Cook Riolo Rd	8/14/2016	ND
7	3813	Country Haven Ct	8/10/2016	ND
8	5840	Garfield Ave., Apt #19	8/3/2016	ND
9	6412	Indian River Dr	8/4/2016	ND
10	3241	James Way	8/10/2016	ND
11	1433	Kingsford Dr	8/15/2016	ND
12	7259	La Tour Drive	8/8/2016	ND
13	5709	Luce Ave	8/2/2016	ND
14	5647	Markos Court	8/15/2016	ND
15	4210	Mason Ln	8/4/2016	ND
16	7120	Minoress Way	8/11/2016	ND
17	7160	Minoress Way	8/18/2016	ND
18	7164	Minoress Way	8/15/2016	ND
19	4000	Pima Way	8/23/2016	ND
20	4824	Savant Drive	8/4/2016	ND
21	6500	Shawdow Hawk Dr	8/2/2016	ND
22	6504	Shawdow Hawk Dr	8/12/2016	ND
23	6520	Shawdow Hawk Dr	8/2/2016	ND
24	5001	Strasbourg Way	8/10/2016	ND
25	4940	Sudbury Way	8/2/2016	ND
26	5038	Surle Court	8/3/2016	ND
27	5607	Verner Oak Ct	8/16/2016	ND
28	5624	Verner Oak Ct	8/11/2016	ND
29	5628	Verner Oak Ct	8/10/2016	ND
30	5640	Verner Oak Ct #1	8/8/2016	ND
31	5714	Verner Oak Ct	8/10/2016	ND
32	4008	Riding Club Ln	8/16/2016	0.051
33	6512	Shawdow Hawk Dr	8/8/2016	0.053
34	545	Wilhaggin Dr	8/7/2016	0.053
35	4839	Winding Ridge Ct	8/3/2016	0.054
36	1517	Kingsford Dr	8/10/2016	0.064
37	1830	Maple Glen Rd	8/17/2016	0.067
38	2870	Azalea Rd	8/8/2016	0.068
39	2814	Roxburgh Ln	8/3/2016	0.072
40	3509	Navaho Dr	8/23/2016	0.073
41	7990	Cook Riolo Rd	8/17/2016	0.074
42	7834	Mohican Way	8/22/2016	0.081
43	3077	Sand Dollar Way	8/2/2016	0.081
44	4818	Winding Ridge Ct	8/2/2016	0.091
45	1020	Wilhaggin Park Ln	8/2/2016	0.094
46	3021	Sand Dollar Way	8/1/2016	0.095
47	4871	Thousand Oaks Ct	8/24/2016	0.096

**2016 SSWD LEAD and COPPER MONITORING  
90TH PERCENTILE COPPER**

Number	Address	Street	Sample Date	Cu Result (mg/L)
48	1031	Wilhaggin Park Ln	8/7/2016	0.100
49	1093	Wilhaggin Park Ln	8/7/2016	0.110
50	540	Rodante Way	8/8/2016	0.120
51	1064	Wilhaggin Park Ln	8/10/2016	0.120
52	3407	Mitchell St	8/22/2016	0.130
53	3029	Sand Dollar Way	8/4/2016	0.140
54	1092	Wilhaggin Park Ln	8/9/2016	0.140
55	1097	Wilhaggin Park Ln	8/8/2016	0.150
56	3131	Becerra Way	8/3/2016	<b>0.230</b>
57	3815	Edison Ave	8/16/2016	0.240
58	3081	Sand Dollar Way	8/4/2016	0.240
59	3978	Woodpointe Circle	8/4/2016	0.260
60	1950	Maple Glen Rd	8/2/2016	0.280
61	5011	Strasbourg Way	8/23/2016	0.280
62	3982	Woodpointe Circle	8/25/2016	0.330
			Number of Samples=	62
			90th Percentile Number=	56
			90th Percentile Result=	0.230



September 14, 2016

[REDACTED]  
3978 Woodpointe Circle  
Sacramento, CA 95821

**SUBJECT: Lead and Copper Sampling Program - Results**

Dear [REDACTED]

This letter includes the analytical results for lead and copper from the tap water sample that was recently collected from your home, as well as other information concerning Sacramento Suburban Water District's (District) Lead and Copper Sampling Program (Program). Every three years, the U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board Division of Drinking Water (DDW) require the District to have a select group of at least 50 customers collect tap water samples that the District submits for laboratory analysis.

Because USEPA and DDW require the District to monitor in accordance with the Lead and Copper Rule (LCR), customers that participate are presented with the unique opportunity to have their water tested and results reported to them with no additional charge. The LCR is unlike any other regulatory requirement in that compliance is based on the results of tap water samples collected from customer's homes where the source of any detectable lead is generally associated with their plumbing and/or plumbing fixtures.

The table on the following page shows the lead and copper results of the tap water sample from your home. It also lists the following:

- 90<sup>th</sup> Percentile Result: The sample result in which the concentration of a contaminant is greater than or equal to 90% of all other sample results.
- Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. Unlike regulatory ALs, MCLGs allow for a margin of safety. MCLGs set by USEPA are not enforceable standards.

<b>Metal</b>	<b>Your Sample Result</b>	<b>90<sup>th</sup> Percentile Result</b>	<b>Action Level</b>	<b>Maximum Contaminant Level Goal</b>
Lead (ppb)	ND	ND	15	0
Copper (ppm)	0.260	0.230	1.3	0.3

ppb: Parts per billion, or micrograms per liter

ppm: Parts per million, or milligrams per liter

ND: None Detected

The District is required by USEPA and DDW to include the following information when reporting sample results to customers. Note that the ways listed to reduce your exposure to lead may apply to other metals potentially present in your drinking water as well.

### HEALTH EFFECTS OF LEAD

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.

### STEPS YOU CAN TAKE TO REDUCE YOUR EXPOSURE TO LEAD IN DRINKING WATER

1. Run your water to flush out lead: Let the water run from the cold water tap for 30 seconds to two minutes before using it for drinking or cooking any time the water in a faucet has gone unused for more than six hours. If your house has a lead service line to the water main, you may have to flush the water for a longer time, perhaps one minute, before drinking.
2. Use cold water for drinking and cooking: Do not drink, prepare baby formula or cook with water from the hot water tap. Hot water can dissolve lead and other metals more quickly than cold water. If you need hot water, draw water from the cold tap and heat it on the stove.
3. Check your plumbing and fixtures: Remove the faucet strainers from all taps then flush the hot and cold water for 3 to 5 minutes each. This will remove debris such as loose lead solder from your home's plumbing system. Lead solder looks dull gray, and is relatively soft and shiny when scratched with a key.
4. Check your wiring: Grounding your home's electrical system to your water pipes may increase the chance of corrosion. Check with a licensed electrician to determine if your wiring can be grounded elsewhere. DO NOT attempt to change the wiring yourself because improper grounding can cause electrical shock and fire hazards.

5. Do not boil water to remove lead: Boiling water will not reduce lead.
6. Have your child's blood tested: If you are concerned about exposure, contact your local health department or health care provider to find out how you can get your child's blood tested for lead.
7. Look for alternative sources or treatment of water: You can purchase bottled water for drinking and cooking, or purchase or lease a home treatment device. All of the devices require periodic maintenance and replacement. Be sure to check the actual performance of a specific home treatment device before and after installing the unit.

If you would like additional information about the Program, please visit the District's web page at [www.sswd.org](http://www.sswd.org) under the "Education" tab. If you would like more information about the LCR, please visit USEPA's LCR web page at <https://www.epa.gov/dwreginfo/lead-and-copper-rule>, or call the Safe Drinking Water Hotline at: (800) 426-4791.

Thank you for your participation in the District's Program. If you have any questions about your sample results or the information provided in this letter, please feel free to contact me by telephone at (916) 679-2888 or by email at [darmand@sswd.org](mailto:darmand@sswd.org).

Sincerely,



David Armand  
Environmental Compliance Supervisor  
Sacramento Suburban Water District





## Agenda Item: 19

**Date:** October 10, 2016

**Subject:** Well Efficiency Testing Annual Report

**Staff Contact:** Jim Arenz, Operations Manager

In a continuing effort to maintain the Sacramento Suburban Water District pumps/motors at peak efficiency, and to ensure mechanical integrity, the District conducts annual Well Pump Efficiency Tests. The data gathered from these annual tests is vital in assessing the condition of the well and/or pump over time. Decreasing efficiency can be indicative of a worn pump, failing motor, or plugging of the well screens. The data will also be used for validating water production for SB-555 which requires urban water utilities to submit a validated Water Loss Audit of 2016 by October 2017.

The Production Department has a goal of completing an annual Well Pump Efficiency Test on each well. "Lead" wells are considered to be main runners. The remaining active wells with electric motor drives are designated as "Lag" or fire demand. The designation of Lead or Lag for each well is determined by a number of criteria, including, but not limited to, yield, well pump efficiency, water quality, localized pressure needs, and the overall hydraulic needs of the distribution system. Staff assesses these designations on a regular basis to assure production facilities operate as efficiently as possible to meet system demands.

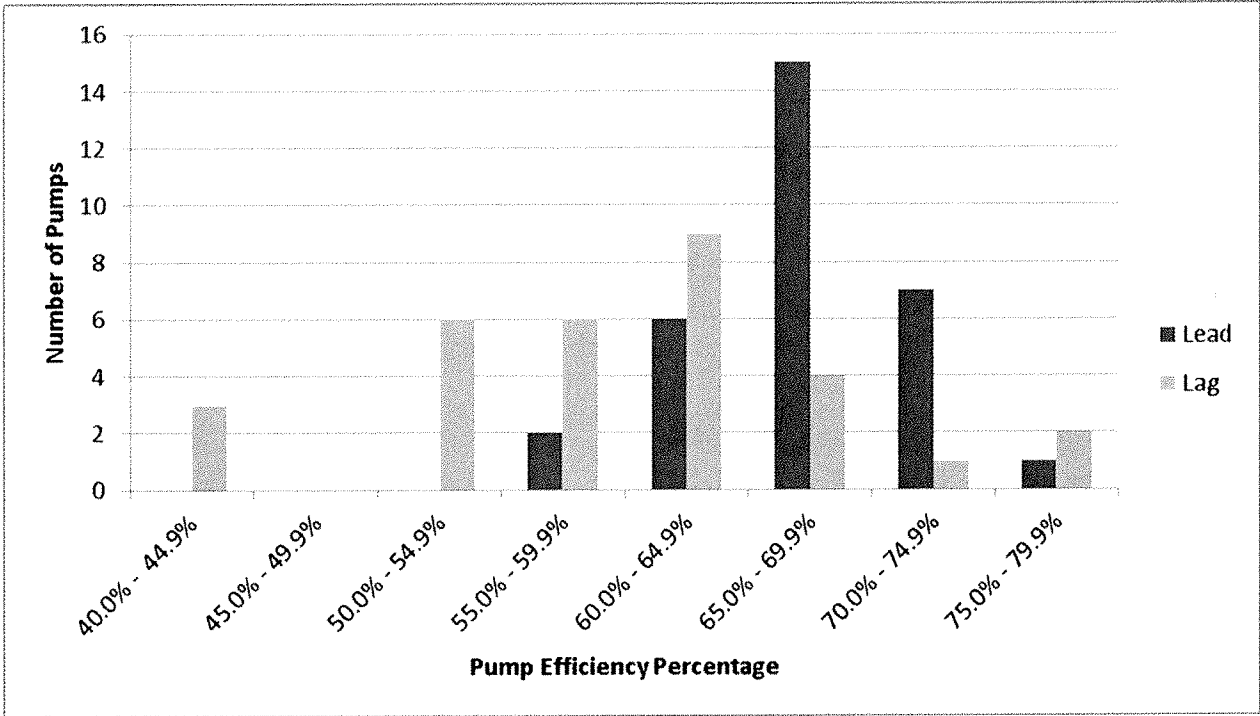
The majority of the Well Pump Efficiency Tests consist of a two-point test; one test is performed at normal operating pressure, and the other is performed against a head that is equal to 10 psi greater than normal operating pressure. Utilizing two data points to determine an average efficiency over varying operating conditions provides the District better data to more accurately assess the condition of each pump/well. A summary of the results of this year's testing are shown in the graph below.

The results indicate that the majority (94%) of the District's main runners tested are producing water at efficiencies at or above 60%. This indicates that the District's well maintenance and rehabilitation program continues to have an overall positive effect on the District's ability to reliably provide groundwater to our customers. Utilizing the most efficient wells as Lead wells helps to reduce the overall cost of producing groundwater. Active wells that fall below 60% efficiency are examined to see if pump or motor repairs or well rehabilitation might be viable options to improve efficiency. Lag wells generally do not fare as well with only 52% of the wells tested in 2016 achieving efficiencies above 60%. In part this is because, as previously mentioned, well efficiency is one of the criteria used to determine which wells are designated as Lead. Lag wells are generally older wells close to the end of their useful life that do not produce a great deal of water annually. They are kept in service to meet either peak demand or fire demand situations.

Well Efficiency Testing Annual Report

October 10, 2016

Page 2 of 2





## Agenda Item: 20

**Date:** October 6, 2016

**Subject:** Supplemental CIP Funding Report

**Staff Contact:** Mitchell S. Dion, Technical Services Director  
John E. Valdes, Engineering Manager

At the August 15<sup>th</sup>, 2016 meeting, the Board of Directors (Board) approved supplemental funding of the CIP program to support water production facilities in the amount of \$ 855,000 (\$435,000 to SC16-009 well repair and \$420,000 to SC16-012 well replacement). Additionally, the Board directed periodic updates regarding the progress.

Subsequently, the District has obligated all of the supplemental funding and readdressed other work which was suspended pending the Board action for these highest priority water supply projects.

Currently, the neighbor coordination meeting at Well N6A (Palm) has occurred and the drainage solutions were constructed. Improvements for lighting and addressing boundaries for homelessness are considerations in the site design also in progress. The contractor has mobilized on site and well construction is to be initiated in approximately two weeks.

The following is a specific site update:

Well 31A Investigate and initiate repair

Site has had pump pulled and video. Currently, under review for rehab if appropriate. This well is in very productive area but has history of problems.

Well 3A Replace pump and reset w/new panel

The pump was purchased and delivered. Panel and electrical improvements are nearly complete. The new pump cannot be set until SMUD de-energizes the overhead line to accommodate the crane used to lift the motor, pump and related equipment.

Well 59A Refurbishment due to pump failure (Mercury seal/hazmat removal)

Work completed, hazardous material removed from site, all testing complete and the well has been restored to operational status

Well 47 Pump to waste exceeds the discharge capacity resulting in Notice of Violation (NOV) in Jun 2016

Adjustments have been made to controls to minimize the likelihood of another incident. Hydraulic modeling was conducted concurrently with design of stormwater discharge line. The hydraulic modeling presented an alternative which is currently being evaluated, to the more expensive stormwater discharge line.

N8 Excessive lube oil in column resulted in biological contamination.

The consulting firm has arranged for a video of the well and light rehab is planned to begin. New pump and motor will be procured once 2017 budget is approved.

N17 Hydropneumatic tank lacks pressure certification

A replacement tank has been placed on order and will be sited once constructed.

N1 Electrical Controls and related work is complete. The change to electrical service line will be completed in 2017 once the adjoining stormwater pumpstation can be removed from service.



## Agenda Item: 21

**Date:** October 3, 2016

**Subject:** Human Resources Quarterly Report

**Staff Contact:** Lynne Yost, Human Resources Coordinator

### 1. Current Statistics

Full Time Employees:	58
Temporary Employees:	7
Full Time Vacancies:	5

Current temporary employees include two water conservation representatives, one engineering intern, one GIS intern, one Customer Service Representative (for leave coverage), and two field interns (Meter PM and Well Asset ID Project).

Current full-time vacancies include one Senior Engineer and four Distribution Operator I/II positions.

### 2. Completed/Ongoing Work of Note

- a) Completed hiring process and orientations for four new temporary employees (engineering intern, GIS intern and two field interns).
- b) Completed exit interviews for two engineering interns and four full-time Distribution Operators who resigned in July-September.
- c) Completed 2016 updates to the Employee Handbook.
- d) Completed 2016 Flexible Spending Plan Discrimination Testing; as previously reported to the Board, the District's plan passed all of the required Eligibility Tests and the plan was deemed nondiscriminatory.
- e) Completed 2017 analysis of health insurance, implemented CalPERS health insurance resolutions passed by the Board, and notified all employees and retirees of the "cap" on the District's contribution to premiums effective 1/1/17; completed CalPERS Open Enrollment health insurance changes and Health Insurance Coverage Program (HICP) enrollments for full-time staff that will take effect on 1/1/17.
- f) Completed 2017 Benefits Renewal Analysis for dental, vision and life insurance/disability plans (see staff report under the General Manager's Report this month).
- g) Completed update process for remaining 2 of 10 classification specifications/job descriptions; also finalized classification specification/job description for new Financial

Analyst position recommended in the Classification Review and the 2016 Compensation Study conducted by Bryce Consulting, Inc., as previously authorized by the Board.

- h) Scheduled review of medical examination components for three new positions since all now have over one year of work performed by current incumbents.
- i) Continuing to review benefit billing options for retirees under the vesting schedule of health, dental and vision plans.



## Agenda Item: 22

**Date:** October 6, 2016

**Subject:** CIP Projects Quarterly Report

**Staff Contact:** Mitchell S. Dion, Technical Services Director  
John E. Valdes, Engineering Manager

The following report provides updates on the projects identified in the approved Capital Improvement Program (CIP). This report shows those projects included in the approved Calendar Year (CY) 2016 CIP budget and the current status of those projects. The total approved CIP budget for CY 2016 is \$18.7 million. To the extent that billings and invoices have been received and processed, cost expenditures through end of September, 2016, are included in the report.

A similar report will be used throughout CY 2016 as a tool for staff to track projects internally and as a report to the Board to show the progress of individual projects and the program in total. Projects completed in prior years will no longer be shown. It is anticipated that the report will continue to be provided to the Board on a quarterly basis.

Sacramento Suburban Water District  
 Calendar Year (CY) 2016  
 Capital Improvement Program Budget

Project Number	Work Order #	Project Name	Responsible Staff	Approved and/or Amended 2016 Budget	Estimated Costs for Sub-projects	CY16 Spent To Date (\$) (Thru 10/4/16)	Remaining Encumbered Funds (\$)	Status: P=Planning D=Design C=Construction	% Complete	Status Comments	Project Description	Update Date	Update Initial
<b>PRODUCTION (SOURCE OF SUPPLY)</b>													
SC16-007	121259	SSWD Groundwater Monitoring and Modeling Project	John Valdes	\$250,000		\$219,359	\$31,580	C	100%	Construction of both monitoring well clusters has been completed by Roadrunner Drilling. A final site inspection was conducted on September 15, 2016. During the final inspection, a couple of deficiencies were noted at the Eden/Root monitoring well that will require contractor (Roadrunner Drilling & Pump Company) to resolve. These items must be resolved before a final retention payment is made to Roadrunner. Staff and the District's consultant, Brown and Caldwell, continue to make progress on completing the required deliverables for this project per the Grant Funding Agreement with the Department of Water Resources (DWR).	This is a continuation of a project originally initiated in CY2014. The District has received a partial Prop. 84 Local Groundwater Assistance (LGA) grant from the Department of Water Resources (DWR) in the amount of \$157,135. The funded project consists of two groundwater monitoring wells and related tasks, including water quality sampling and testing. The two proposed monitoring well locations were both changed in 2015 resulting in some delays. The two monitoring wells will be constructed in late-2015. Remaining work will include quarterly water quality sampling/testing and grant reporting.	10/4/2016	JEV
SC16-009	N/A	Well Rehabilitation / Pump Station Improvements	See Below	\$1,731,560		\$0	\$0	See Below	See Below	Budget increased from \$890,000 to \$1,070,000 via budget transfer. See Below.	Projects planned for CY 2016 may include, but not be limited to: well investigations/evaluations and/or rehabilitation projects for Wells #23 (Marconi North/Fulton), #74 (River Walk/NETP South) and #N6 (Palm); replacement or removal of hydropneumatic tanks (replace with new tanks or install flush-to-waste assemblies) at Wells #N3 (Engle), #N15 (Cabana), #N17 (Oakdale) and #N22 (River College); rebuild two pressure vessels and replace underdrain system at Well #32A (Eden/Root); investigation and possible installation of a VFD at Well #68R (Northrop/Dornajo); and destruction of Wells #N11 (Diablo), #N18 (McCloud), #N19 (Larchmont), #67 (El Camino/Eastern) and #63 A-F (AWD infiltration gallery). Specific projects for CY 2017 have not yet been identified.		
SC16-009A	151359	Well #N8 Investigation/Rehab & Site Improvements	Mitch Dion	Incl. Above	\$25,000	\$5,600	\$0	P	40%	Affinity Engineering will be teaming with Rodney Ficke, hydrogeologist, on this project. Affinity will be submitting a Task Order for basic assessment services for this facility in order to plan the improvements for 2018. Video is complete, pump and motor sized and the district will be performing a light rehab prior to returning to service.	Well N8 develop bacterialoccal contamination due to lubricating oil (food grade). The well needs to be renovated including a water lubricated bearing to avoid oil seepage.	10/4/2016	MD
SC16-009B	151360	Well #46 Automation Project	Doug Cater	Incl. Above	\$10,000	\$0	\$0	P	0%	This project has not been started. Due to the expected budget over draft we are recommending that this project be canceled and budgeted for CY2017	This project is to install a centrifugal clutch in the dual drive pump so that the natural gas engine can engage automatically	5/18/2016	Cater
SC16-009B1	118954	Well #N3 Discharge Piping Upgrades	John Valdes	Incl. Above		\$0	\$0	D	5%	A decision has been made to replace the existing hydropneumatic tank with a new tank. Auburn Constructors is constructing and placing tank well N 17 and will commence with N3 upon completion of that work. Discharge piping will be modified to adjust to new tank.	Several hydropneumatic tanks operated by the District were recently inspected and the pressure ratings for six tanks were found to be near or below the normal system pressure at the tank location. The District would like to replace the six tanks with either new tanks or with piping and surge anticipation valves to allow the wells to pump-to-waste when the well starts. This is one of the six wells being looked at. At this site, the cost to add storm drain out to the street needs to be evaluated to see if it can be done, otherwise, a new tank will be installed at this site to replace the existing one.	9/6/2016	JEV/MD
SC16-009C	137921	Well #N25 Site Updates--- w/o 137921--SC16-010E2	Mitch Dion	Incl. Above		\$16,520	\$9,730	C	100%	Contractor completed the sound enclosure coating and will add the interior insulating foam this week. Affinity will be meeting the District's paving contractor this week to get a price for repairing the paving removed during the recently completed VFD replacement project. The contractor plans to re-arrange the discharge piping and install the sound enclosure the week of September 12, 2016.	Miscellaneous improvements to site to accompany a new endurance drive MCC.	9/6/2016	MD
SC16-009C1		Well #N15 Discharge Piping Upgrades	John Valdes	Incl. Above		\$0	\$0	P	-	Preliminary design for the pump-to-waste project has been started but is currently on hold. Wood Rodgers investigated a water quality (TCE) problem at the well and made a recommendation on how to resolve the issue for long-term operation. Other approaches are under consideration, but the site constraints of the site render the most effective solutions as infeasible.	Several hydropneumatic tanks operated by the District were recently inspected and the pressure ratings for six tanks were found to be near or below the normal system pressure at the tank location. The District would like to replace the six tanks with either new tanks or with piping and surge anticipation valves to allow the wells to pump-to-waste when the well starts. This is one of the six wells. This site will be getting a surge anticipation valve and discharge piping to replace the existing tank.	7/5/2016	JEV/MD
SC16-009D	153385	Well #N15 Investigation and Rehab.	Mitch Dion	Incl. Above		\$0	\$2,325	P	100%	Project assigned to Wood Rodgers the week of 28 March for investigation and preparation of scope of work. Wood Rodgers investigated a water quality (TCE) problem at the well and made a recommendation for method to control water quality issue, however there were a number of other issues related to water quality on this well.	The pump was pulled at the subject well. The dripper oil was removed and a video was taken of the well. There is a permit still out, but we will need to have designer and contractor to complete project.	10/4/2016	MD
SC16-009D1	161293	Well #N17 Discharge Piping Upgrades	John Valdes	Incl. Above		\$0	\$0	C	20%	A decision has been made to replace the existing hydropneumatic tank with a new tank. This tank had lubrication oil which required the tank be cleaned before removal. Auburn Constructors have been asked to complete the tank replacement. A contract has been executed with Auburn Constructors in the amount of \$49,684. There is a long lead time on the new hydropneumatic tank so it will be ordered immediately.	Several hydropneumatic tanks operated by the District were recently inspected and the pressure ratings for six tanks were found to be near or below the normal system pressure at the tank location. The District would like to replace the six tanks with either new tanks or with piping and surge anticipation valves to allow the wells to pump-to-waste when the well starts. This is one of the six wells. At this site, the cost to add storm drain out to the street needs to be evaluated to see if it can be done, otherwise, a new tank will be installed at this site to replace the existing one.	10/4/2016	JEV



SC16-009E	153386	Well #70 Investigation and Rehab.	Mitch Dion	Incl. Above		\$65,000	\$12,576	C	95%	Transformer received determination by SMUD as reusable. Prodigy Electric is implementing equipment and controls needed for flouridation.	It requires improvements to include Fluoride, new panel and controls. We will use a designer and several contractors with different trades and licenses to complete.	10/4/2016	MD	
SC16-009E1		Well #N22 Discharge Piping Upgrades	Dave Jones	Incl. Above		\$0	\$0	-	-	Preliminary design for this project has been started, the site currently has a storm drain inlet on the site so FTW can easily be added. Percent complete = 25%. Construction to take place after summer demand period.	Several hydropneumatic tanks operated by the District were recently inspected and the pressure ratings for six tanks were found to be near or below the normal system pressure at the tank location. The District would like to replace the six tanks with either new tanks or with piping and surge anticipation valves to allow the wells to pump-to-waste when the well starts. This is one of the six wells. This site will be getting a surge anticipation valve and discharge piping to replace the existing tank.	7/5/2016	DJ	
SC16-009F	157949	Well (Palm) #N6 Destruction/Demo	Mitch Dion	Incl. Above		\$40,976	\$10,024	C	100%	All well demolition for the N6 well has been completed. New well N6A under construction on the site.	Several wells have been abandoned over the years and were not properly destroyed per the State and County standards. This well is one of a handful that are slotted to be destroyed this year. Demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned.	10/6/2016	DE/MD	
SC16-009F1	150331	Well #16 Destruction/Demo	David Espinoza	Incl. Above		\$23,713	\$23,713	C	100%	Well has been destroyed. Property will be evaluated for surplus.	Several wells have been abandoned over the years and were not properly destroyed per the State and County standards. This well is one of a handful that are slotted to be destroyed this year. Demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned.	12/31/2016	DE	
SC16-009F2	135778	2015 Well #12 Santa Anita/Hernando Improvements - [PROJECT ON HOLD]	Dave Jones	Incl. Above		\$2,975	\$1,026	D	50%	Staff is still negotiating with FECRPD regarding the required Santa Anita Park easements (pipeline and access).	This well falls under this year's 2015 Santa Anita Phase 2 mainline replacement, and will need to have upgraded piping up to the well site. During a review of the well site it was noted that a pump-to-waste would be ideal. The Fulton-El Camino Recreation and Park District (FECRPD) is very interested in Well #12 for their ownership and is looking at possibly giving the District a new well site at Bohemian Park in exchange for the well. The FECRPD has agreed to move forward with determining the feasibility in this transfer for next year.	4/5/2016	DJ	
SC16-009G	134951	Well #47 (Copenhagen/Arden) Storm Drain Improvements	John Valdes	Incl. Above		\$15,000	\$11,641	\$3,359	D	0%	Affinity completed the 2nd round of pressure testing and will be completing its analysis this week. Affinity also received the survey and should have the storm drain extension design completed in Sept. Less expensive alternatives are being evaluated	Based on a Temporary Discharge Permit being issued by Regional San, this well will have specific flow restrictions into the sanitary sewer system that we currently don't have the capability of meeting. Rather than spending money to improve the existing system that discharges to the sanitary sewer, efforts will be focused on constructing a new storm drain at this site.	10/4/2016	MD
SC16-009G1	150332	Well #N21 Destruction/ Demo	Mitch Dion	Incl. Above		\$2,500	\$0	D	90%	Destruction memo paperwork to be prepared. Quotes from DoubleB Demolition for demo and Fox Loomis for destruction have been submitted. Fox Loomis has been issued a PO to move forward with the County permitting process.	Several wells have been abandoned over the years and were not properly destroyed per the State and County standards. This well is one of a handful that are slotted to be destroyed this year. Demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned.	4/5/2016	DE	
SC16-009G2		Well #8 Access Improvements	Dave Jones	Incl. Above		\$0	\$0	-	-	Engineering to issue Area West a task order to proceed with easement work at this site. Area West provided a scope of work and fee estimate.	The access easement to this well site needs to be improved and perfected.	5/12/2016	DJ	
SC16-009H		Well #13 Sound Enclosure	John Valdes	Incl. Above		\$8,750	\$0	\$8,750	D	100%	A new sound enclosure was installed by Kirby's Pump and Mechanical. The results are significant but may not be up to desired areas in this residential site.	There have been recent noise complaints from neighbors to the District's Calderwood/Marconi Well (#13). A new sound enclosure will be installed around the pump/motor.	10/6/2016	MD
SC16-009H5	101766	General Well Evaluation and Rehabilitation - Engineering Services	John Valdes	Incl. Above		\$85,733	\$25,689	-	-	WR working on #N15. B&C is working on well rehab. summary reports for Wells #13, 64, N27 and N31.	Contract amendments in the amount of \$75,000 have been issued to Brown and Caldwell (B&C) for continued well evaluation and rehabilitation engineering and hydrogeological services. Wood Rodgers is also still under contract for similar services.	10/4/2016	JEV	
SC16-009I	161050	Well #31A - Investigation and Rehab.	Mitch Dion	Incl. Above		\$5,000	\$0	\$0	C	5%	The district attempt a minor touch up to gravel pack to improve condition. It did not. District hire consulting engineer to video and evaluate the situation. This is a productive zone but has been problematic well.	Excessive gravel and sand being produced in the well.	10/4/2016	MD
SC16-009I1	151498	Well #N11 Destruction/Demo	Mitch Dion	Incl. Above		\$19,893	\$13,223	C	95%	Site restoration is complete minor asphalt work is pending	Several wells have been abandoned over the years and were not properly destroyed per the State and County standards. This well is one of a handful that are slotted to be destroyed this year. Demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned.	10/4/2016	DE/MD	
SC16-009J1	151500	Well #N18 Destruction/Demo	Mitch Dion	Incl. Above		\$4,952	\$27,148	C	90%	Tank has been remove the hydropneumatic tank. Site is clear of district equipment except for tower and communications.	Several wells have been abandoned over the years and were not properly destroyed per the State and County standards. This well is one of a handful that are slotted to be destroyed this year. Demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned.	10/4/2016	MD	

SC16-009K2	137911	Well #45 Investigation/Rehab & Site Improvements	Mitch Dion	Incl. Above		\$15,553	\$21,900	C	75%	Motor was set and new drive line was selected to accommodate higher pedestal. Discharge line not connected.	Due to bacteriological hits, the pump at Well 45 needs to be pulled and have the oil removed off the top of the well water, and have the well video surveyed as part of routine maintenance. The work will also include raising the pedestal to comply with the County's 18" requirement, and reconfiguring of discharge piping and installation of new flow meter. Given the tight constraints in the pump building, it was determined the best course of action was to destroy the portion of the building that enclosed the pump and the chemical room, leaving only the motor room. The building destruction has been completed and the pump investigation/rehab will occur in 2015. Loewen has pulled the pump and performed a TV video. Hedman Drilling has cleaned and bailed the well and performed a second TV video. BC reviewed the work performed and made additional recommendations.	10/4/2016	MD	
SC16-009L1	150333	Well #50 Destruction/Demo	David Espinoza	Incl. Above		\$20,255	\$20,255	\$0	C	100%	Well has been destroyed and approved for surplus.	Several wells have been abandoned over the years and were not properly destroyed per the State and County standards. This well is one of a handful that are slated to be destroyed this year. Demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned. County Environ. Mgmt. inspected the site on June 8th and approved destruction to proceed. This well is slated to be destroyed in 2021, however due to a mainline replacement project, this destruction has been moved up to 2015.	12/31/2016	DE
SC16-009M1	Various	Flowmeter Modifications & Improvements	Doug Cater	Incl. Above		\$310,000	\$116,967	\$33,421	C	99%	72 well sites have been equipped with Modbus Protocol meters.	Production staff realized that our production meters were not properly communicating the total production with SCADA, creating a miscalculation in our production numbers. The top 40 producers will receive the necessary improvements to correct this matter in 2015 with the rest of the sites receiving the improvements in 2016. Site selection and order was based on highest production meters (2014 production data)	10/4/2016	MD
SC16-009N1	151501	Well #N19 Demolition Work	Mitch Dion	Incl. Above		\$15,760	\$39,240		C	100%	Site has been cleared and will be assessed for demo and surplus or reuse for monitoring.	Several wells have been abandoned over the years and were not properly destroyed per the State and County standards. This well is one of a handful that are still to be destroyed. In preparation for the destruction work in the following years, demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned.	10/6/2016	MD
SC16-009O2	137915	Well #23 Investigation/Rehab	Mitch Dion	Incl. Above		\$20,188	\$2,312		P	100%	Affinity Engineering, investigation is complete. The rehab has been cancelled.	Requests for quotes out to Kirby Pump and Loewen Pump to pull pump at Well 23, remove the oil off the top of the well water, and have the well video surveyed as part of routine maintenance. Work will also include raising pedestal to comply with 18" requirement, and reconfiguring of discharge piping and installation of new flow meter. Due to schedule constraints on the contractors and coordination with SMUD to alley arm the overhead lines, the pump investigation work will occur in 2015.	9/27/2016	MD
SC16-009P1	137916	Well #3A Fencing	Mitch Dion		\$0	\$7,816	\$0			100%	Fencing to be completed once test pumping and well is placed back into service. Testing is complete and work order for new pump and installation has been issued.	New fencing is needed at this well site.	10/6/2016	MD
SC16-009P2	150109	Well #3A Investigation/Rehab & Site Improvements	Mitch Dion	Incl. Above		\$63,696	\$14,670		D	50%	The fluoride shed ordered which should arrive in the middle of October. The necessary shut downs by SMUD cannot occur until November 2, 2016 but Affinity will press SMUD for a shut down in the last half of October if the weather has cooled off. During the shutdowns, Loewen Pump will install the pump, set the motor, and remove the old column pieces. Additional shut downs may be necessary for installation of the discharge piping. However, with the old column pieces removed, Prodigy Electric will be able to commence their site work. If the SMUD shutdowns cannot happen until November, then the project will be completed at the end of December. If the SMUD shutdowns happen in the middle of October, then the project should be completed in the middle of December.	Requests for quotes out to Kirby Pump and Loewen Pump to pull pump at Well 3A, remove the oil off the top of the well water, and have the well video surveyed as part of routine maintenance. Work will also include raising pedestal to comply with 18" requirement, and reconfiguring of discharge piping and installation of new flow meter. Additionally, due to lot size constraints, it was decided to remove the hydropneumatic tank at the site. The tank was removed and the piping blind flanged at either end. Due to schedule constraints on the contractors and coordination with SMUD to alley arm the overhead lines, the pump investigation work will occur in 2015, along with the reconfiguration of the discharge piping once the pump pedestal has been raised. Loewen has pulled the pump and performed a TV video, Hedman Drilling is scheduled to clean and bail the well and performed a second TV video.	10/6/2016	MD
SC16-009Q2	139383	Well #N1 Discharge Piping & Site Improvements	Mitch Dion	Incl. Above		\$61,954	\$32,806		D	95%	Work is nearly completed. Site paving and coating work to be finished in Oct 16.	Several hydropneumatic tanks operated by the District were recently inspected and the pressure ratings for six tanks were found to be near or below the normal system pressure at the tank location. The District has replaced tank with piping and surge anticipation valves to allow the wells to pump-to-waste when the well starts. The tank has been removed and a flush-to-waste system installed into the discharge piping to resolve issues. The electrical controls have been improved and other site work will be completed in the Spring once the well can be shut down again.	10/6/2016	MD
SC16-009U1	153227	Bainbridge/Holmes Well (#59A) Rehab and Pump Replacement	John Valdes	Incl. Above		\$96,796	\$4,981		C	90%	Prodigy Electric will be completing the electrical improvements for the pre-lube water line to the discharge head if the production department has cleared the well to pump into the system. Affinity will initiate a schedule for moving the walk-in sound enclosure back to over the well. Once the sound enclosure is in place, Prodigy Electric will need to reconnect the lights and fan inside the sound enclosure.	A major pump failure has occurred at this well site. The submersible pump/motor at this site was pulled and the bearings were found to be destroyed. This type of pump uses a mercury seal near the connection point between the pump and the motor. As a result of the bearing failure, the mercury used in the seal has fallen to the bottom of the well. This is not terribly uncommon but the mercury must be collected and accounted for. A suction type bailer is recommended in order to collect the mercury. If necessary, the bottom of the well can also be filled with a cement cap to ensure that the mercury is covered over. The chances are unlikely that the mercury will contribute to any water quality problems. However, additional water quality testing may be required by the State Water Resources Control Board, Division of Drinking Water (DDW).	9/6/2016	JEV/MD
SC16-009U3	130528	Well #35 Site Improvements	David Espinoza	Incl. Above		\$0	\$0	\$0	X	100%	Per discussions with Mitch and Jim, this project is being terminated. Last payment (\$210) was processed week of 9/19/2016.	This well was rehabilitated last year, however some work still remains at the site to bring it current, including removal of the tank, installation of a storm drain system out to the street, a surge anticipation valve and reconfiguration of the discharge piping. The eyewash station will also be re-plumbed, and SCADA will be added to the site.	12/31/2016	DE
SC16-009V1	134807	Well #72 Methane Investigation	John Valdes	Incl. Above		\$0	\$0		P	100%	Test results have been obtained and a final Tech. Memo has been received from KJC. Staff is evaluating whether to proceed with above-ground treatment for methane using air stripping. Current levels of methane with limited hours of operation are within standards. Well is used as peaking capacity, which meets demands without inducing methane issues.	The District has contracted with Kennedy/Jenks Consultants (KJC) to investigate a methane gas problem at the River Walk/NETP Well (#72). The contract amount with KJC is not to exceed \$20,000.	10/5/2016	JEV/MD

SC16-009W1	149630	Well #2A El Prado Pump Station Upgrade Project	John Valdes	Incl. Above		\$76,718	\$2,555,223	C	15%	General contractor Clyde G. Steagall, Inc. is under contract for this work. Actual on-site construction work began on September 19th. To date, the majority of the on-site demolition work has been completed which consisted of removal of the existing concrete vault (that houses the pump/motor), asphalt paving, and electrical equipment. The existing well pump has been pulled and the well has been videoed. The video will help determine if any well rehab work is required while the well is offline. The contractor has also completed the well casing and gravel feed tube extensions. The contracted completion date for the project is January 12, 2017, although the majority of the work will be completed before the end of 2016.	The project consists of a complete overhaul of Well #2A in conjunction with the 2016 Drayton Heights Phase 2 Main Replacement Project. Well #2A currently is a below grade well, which consists of an above ground pump installed in a vault. The Division of Drinking Water (DDW) has asked the District to bring the well up to current standards as soon as possible. This primarily includes extending the casing so that the pump pedestal is a minimum of 18" above finished grade, discharge piping, new submersible pump, and an electrical update.	10/4/2016	JEV
SC16-009W3	130530	Well #N6 Investigation/Rehab.	John Valdes	Incl. Above		\$0	\$0	C	100%	Old well was determined unusable and destroyed in April 2016. Luhdorff has been selected for design of new well. New test well completed. Contract for well construction has been awarded and design commenced. Project scheduled for completion June 2017. Work order is being closed. New well is on a new work order.	The entire casing from the surface to a depth of 110' is riddled with holes. Wood Rodgers is working on the design for the modifications to rehab the well. The plan is install new 8" well casing in the well with an annular seal to 175'. The 14" casing will be perforated from 80'-120'. A gravel envelope will be installed from 175'-508' and a wire wrapped screen from 370'-490'.	7/8/2016	DE/MD
				<b>Subtotals</b>	<b>\$1,731,560</b>	<b>\$417,718</b>	<b>\$775,205</b>	<b>\$2,818,404</b>					
SC16-010	N/A	SCADA Remote Terminal Units (RTU's) / Communication Improvements / MCC Panel Replacement/Upgrades	See Below		\$112,000	See Below	\$0	See Below	See Below	See Below.	This project includes improvements and modifications recommended in the SCADA Master Plan. The District is very close to having all active wells on SCADA. Well sites to be upgraded with new MCC panels and/or PLC's/RTU's in CY2016 are #N25 (Sutter), #N8 (Field), and #N14 (Orange Grove). Two other well sites, yet to be determined, will be upgraded with new PLC's/RTU's only. These sites were selected from staff's motor control center study and analysis.		
SC16-010A	153228	Well #77 SCADA Upgrades	Cater	Incl. Above	\$17,226	\$7,260	\$8,500	C	100%		This well still needs to be equipped with SCADA.	Cater	5/18/2016
SC16-010C1	148474	Truax Well #43 Site Upgrades	Doug Cater	Incl. Above	\$20,000	\$16,213	\$1	C	50%	Control Panel has been completed and work has been assigned to Prodigy. Work commenced and panels are being installed.	Tesco Panel need to be installed by Prodigy. Prodigy has supplied the District with a bid and EA is being processed. It does not appear that this account was rolled over with Finance although it is listed in this spreadsheet.	10/6/2016	MD
SC16-010E2	137921	Well #N25 SCADA Work	Mitch Dion	Incl. Above		\$29,520	\$22,085	\$28,900	95%	All work on this project is completed except some asphalt paving.	These well sites are not currently equipped with SCADA. SCADA RTU/PLC and MCC Installation at Wells #N8, #N14, and #N25 (Previous Project Name).	10/6/2016	MD
SC16-010F2	136357	SCADA RTU Panels Arbor PRV		Incl. Above		\$12,670	\$5,758			Awaiting an easement for new power supply.	Construction of new flow meter vault and sample line extension	10/6/2016	MD
				<b>Subtotals</b>	<b>\$112,000</b>	<b>\$20,000</b>	<b>\$65,663</b>	<b>\$36,343</b>					
SC16-011	N/A	Wellhead Treatment / Chemical Feed System Rehab. / Improvements	See Below		\$270,000	\$0	\$0	See Below	See Below	See Below	Project to cover costs associated with needing to install new and repair/replace existing wellhead treatment or chemical feed systems on an as-needed basis. Seven District wells have Chromium VI levels above the established MCL. A Chromium VI operations plan is currently being prepared that will address the potential need for wellhead treatment as compared to other options. A carryover project from 2015 is the design and eventual construction of a manganese (Mn) treatment facility at the existing Verner Well (#N36). Luhdorff & Scalmanini has been selected for this work. The alternatives evaluation phase and pre and final design work will extend into the fall of 2016. Construction of a proposed 1,500 gpm Mn treatment facility would begin in late-2016 and extend into 2017. The estimated construction cost for this facility is \$1.5 million. The Mn treatment facility would be designed to be expandable since it may be possible to drill additional wells at this site. In addition, several well sites (gas engine sites) not currently equipped with disinfection equipment will be equipped with tablet chlorinator units purchased in 2014 including Wells #37 (Morse/Cottage Park), #40 (Auburn/Yard), #43 (Edison/Truax), #45 (Jamestown/Middleberry), #46 (Jonas/Sierra Mills), and #47 (Copenhagen/Arden).		
SC16-011B1		Well #75 Iron/Manganese Treatment Plant Repairs	John Valdes	Incl. Above		\$0	\$0	N/A	N/A	This project is on hold due to current issues with Well #75. Engineering to coordinate with Production Dept.	During Loprest's investigation, it was found that the media bed is contaminated with something that is causing higher pressure drops. It was recommended to replace the media bed down to but not including the concrete fill. Inspect the underdrain system for leaks and breakage, and pressure wash the interior of the vessel to remove accumulated sludge, and replace all manway gaskets at the same time.	4/5/2016	JEV
SC16-011C1		Verner Well (#N36) Manganese Treatment Design- Verner Pump Rehab	John Valdes	Incl. Above		\$68,285	\$182,215	D	0%	District completed review of a draft Technical Memorandum as prepared by Luhdorff & Scalmanini that evaluates different manganese removal technologies. This technical memo also address alternatives for the media, filter configurations and manufacturers. The memo recommends that the District proceed with the use of "Green Sand" technology and four vertical pressure filters. A meeting/workshop was conducted to determine best approach for the first well and long term development of the site. Costs for full site development including treatment will be included in Master plan. This site is large and future plans may include up to two additional groundwater wells and a storage reservoir. Which would reflect a \$10 million dollar investment. This project is being balanced in broader balance of new supply and treatment options.	The manganese (Mn) level at this well is above the MCL and efforts to reduce the Mn concentration by modifying the well have been unsuccessful. Above ground treatment is recommended.	10/6/2016	JEV/MD
SC16-011C2	141567	Chlorinator Units at Gas Engine Sites	Mitch Dion	Incl. Above		\$0	\$0	C	40%	This project was not able to be completed in 2015 and is now being reassessed for the number of sites and the satisfactory application for this equipment.	Chlorinator units were purchased in 2014 for installation in 2015. Sites to receive chlorinator units include Wells #5, 37, 40, 41, 43, and 45.	10/6/2016	MD
				<b>Subtotals</b>	<b>\$270,000</b>	<b>\$0</b>	<b>\$68,285</b>	<b>\$182,215</b>					

SC16-012	N/A	Well Replacement	See Below	\$3,020,000		\$123,259	\$0	See Below	See Below	See Below.	* Priority depends on the well. Recommended in 2009 Water System Master Plan capital needs analysis. The Rutland Well pumping plant will be under construction starting in October 2015 but construction will not be completed until July 2016. Therefore, there will be construction work in progress or carryover at the end of 2015. Some of the unused budgeted 2015 funds are anticipated to be used to pre-purchase materials for the 2016 Meter Retrofit Project. For 2016, budget is also included for design and drilling of a new well either on property to be obtained within the new Barrett Ranch East Subdivision or District owned property at the Kingbird Well lot. Both of these sites are in the District's North Service Area. Also, costs are budgeted to acquire additional land for future replacement well sites within the District. For 2017, it is assumed that the pumping plant will be constructed for either the Barrett Ranch Well or the Kingbird Well.		
SC16-012A	144936	Palm Well #N6A	David Espinoza	Incl. Above	\$625,000	\$266,962	\$5,509	D/C	15%	An Initial Study/Mitigated Negative Declaration to comply with the California Environmental Quality Act (CEQA) was adopted at a public hearing held at the August Board Meeting. The replacement well is anticipated to be constructed and operational by June 2017. A contract for drilling replacement well has been awarded to Roadrunner Drilling & Pump Company, Inc. A Notice to Proceed has been issued to Roadrunner with a start date of September 30th. Well drilling activities are scheduled to be completed by mid-November. Staff hosted a meeting with the neighbors on September 28th at the well site and is working to address noise, drainage and security issues.	This project consists of the construction of a new groundwater well and pumping plant with a capacity of 1,000 gpm in the District's North Service Area (NSA). Luhdorff & Scalmanini Consulting Engineers will design the well. This well is scheduled to be in operation by July 2017.	10/5/2016	DE
SC16-012A2	132002	Rutland Well #N39 (Charles Peck School)	John Valdes	Incl. Above		\$1,909,136	\$180,000	Pumping Plant: C	98%	With a "Temporary Authorization to Operate" letter dated September 9, 2016, the State Water Resources Control Board (SWRCB), Division of Drinking Water (DDW), gave the District approval to start pumping water into the system. All construction work is now completed with the exception of a couple of small change order items that came up during startup and some punch list items. Operator training was conducted on September 20, 2016. Startup of the well was anticipated that same day but there were a couple of control glitches that prevented this from happening. The control issues have now been resolved. The Notice of Completion will be filed once the punch list items are all resolved to the District's satisfaction. A neighbor to the well site has brought up an issue regarding site drainage. The neighbor is concerned that the new construction will alter historic drainage patterns. The site drainage design is currently being re-evaluated by the District's engineer, Wood Rodgers.	This project consists of the construction of a new groundwater well and pumping plant with a capacity of 1,500 gpm in the District's North Service Area (NSA). Well construction is completed. A Notice of Completion was filed at the County/Clerk Recorder's Office on April 6, 2015.	10/4/2016	JEV
Subtotals				\$3,020,000	\$625,000	\$2,299,356	\$185,508						
SC16-013	N/A	Electrical Arc Flash Hazard Modifications at Various Well Sites	See Below	\$330,000		\$7,152	See Below	See Below	See Below	See Below.	An electrical engineering consultant was previously hired to perform a hazard assessment of all of the District's electrical panels to determine what modifications are necessary for panels rated as Category 3 or higher. Based on work already performed, required modifications are expected to cost up to \$15,000 per well site. The highest priority modifications were completed in 2011 - 2014. Some additional panels required some sort of modification and/or corrective action and these modifications were, for the most part, completed in 2015. However, two items of work remain in 2016. The arc flash labels at all of the sites need to be updated to reflect improvements and corrections made over the past few years. In addition, arc flash modifications are still required for the electrical distribution panel at the Administration Building. This panel will be replaced with a new panel in 2016. In addition, a new SMUD transformer will be installed at the Admin. Building due to access issues related to the existing transformer.		
SC16-013E3	105116, 137910, 135783	ARC Flash Design Services	Mitch Dion	Incl. Above		\$7,750	\$53,250	-	-	Affinity Engineering completed design for the Marconi improvements completed. Contract has been signed and preliminary work commenced to degree possible as we are awaiting final County permit for related site improvements.	Continuation of project initiated in 2013 with Affinity Engineering. Affinity Engineering was hired to perform a hazard assessment of all of the District's electrical panels to determine what modifications are necessary for panels rated as Category 3 or higher. Approximately 17 panels remain that will require some sort of modification and/or corrective action. Based on work already performed, required modifications are expected to cost up to \$15,000 per well site. The highest priority modifications were completed in 2011 - 2013. The next set of highest priority modifications (at 14 well sites) will be performed in 2014. An amendment will be prepared for the work at the Marconi Office which will occur over 2014 and 2015.	10/6/2016	MD
SC16-013E3	135782	Arc Flash Labeling Updates	Mitch Dion	Incl. Above		Incl. Above	Incl. Above	-	90%	This work is part of bringing certain sites into compliance with ArcFlash requirements. Work at each site has to be verified before labels can be ordered/ installed. Affinity is working Herzig to accurately label sites. This project was not completed in 2015 and will now be completed in 2016.	The sites that have had corrective measures to date require updated arc flash hazard analysis and updated documentation and labeling. This will include 21 sites in 2015.	10/6/2016	MD
SC16-013K2	135780	Wells #N33, #N29, #N24, #N23A, #N9, #60, #N22, #28	Mitch Dion	Incl. Above		\$30,710	\$0	-	95%	This project is nearly completed.	ARC FLASH ~ Control Panel Modifications to mitigate arc flash hazards by adding another level of protection upstream of the motor control center. Plan is to do Well #N29 first to see how work goes, then do #N23, N24 and N33 as those are all summer runners. Wells #N22, N9, 28 and 60 will follow.	10/8/2016	MD
SC16-013L2	137764	Well #26, Greenwood/ Marconi	Mitch Dion	Incl. Above		\$23,335	\$65	C	95%	Affinity will be getting a price and schedule from the District's paving contractor to restore the paving which was removed during the recently completed VFD replacement project.	ARC FLASH ~ New service pedestals were purchased to mitigate arc flash hazards by adding another level of protection upstream of the motor control center.	10/6/2016	MD
SC16-013M2	137765	Marconi Office Arc Flash Improvements	Mitch Dion	Incl. Above		\$65,186	\$1,170	C	20%	Work for electrical upgrades at Marconi all in single project with generator. Design is complete, the generator has been delivered and preliminary prep work done. Awaiting final permit from County. See notation for project SC16-040	ARC FLASH ~ Prodigy will be working with District Staff and Affinity Engineering in design and constructability coordination for arc flash work to be done at the Marconi Office. The construction phase of the work will occur in 2015. Affinity's costs are tracked under SC14-013E1.	10/6/2016	MD
Subtotals				\$330,000	\$0	\$134,133	\$54,485						

SC16-040	150183	Engine Generator Compliance (Admin Bldg)	Mitch Dion	\$54,300		\$53,092	\$1,205	P	0%	This project is being combined with the "Marconi Office Arc Flash Improvements." The generator has been sized, pricing being solicited week of 14 Mar. Electrical room/panel design complete 11 Mar. New site layout and improvements designed and price proposal sought. SMUD and PG&E applications to be submitted. Generator ordered. David Armand coordinated with County/Air Quality Permit. 9/6/16- Affinity submitted the application for the special development permit necessary in order to get a setback from the sidewalk for the generator block wall from 25' to 8'. Still awaiting County Permit.	Funds are included for a major engine overhaul and/or engine generator replacement. Anticipate one new engine generator (for Administration Building) in 2016 and an engine overhaul in 2017.	10/2/2016	MD
<b>DISTRIBUTION</b>													
SC16-018	N/A	Distribution Main Replacements	Dave Jones	\$8,593,500		See Below	\$0	See Below	See Below	See Below.	This project assumes up to 8 miles of distribution mains to be replaced per year using the service contract approach combined with District purchase of materials. Some contracted design and construction work from 2015 is anticipated to carryover into CY2016. Projects planned for construction in CY 2016 include the Drayton Heights Phase 2, Edison Meadows Phase 1 and Rivera Woods (size to be determined based on remaining budget). This includes approximately 35,000 lf of new 8" and 12" mains. Work planned for 2016 also includes completion of final paving for the Santa Anita Phase 2, Fair Oaks Estates and Barcelona Main Replacement Projects. Also includes hiring consultant(s) to provide support services (surveying and mapping services, SWPPP, construction management, etc.) for in-house design of projects planned for construction in 2017/2018. In addition, funds are included to pre-purchase up to 40,000 linear feet of ductile iron pipe in the fall of 2016, for installation in 2017, before anticipated price increases take affect. Includes installation of 371 water meters in 2016 and 564 in 2017.		
SC16-018A	151628	2016 Edison Meadows Main Replacement - Phase 1	Dave Jones	Incl. Above		\$67,628	\$167,072	D	50%	Domenichelli & Associates (D&A) has been selected to complete final design for this main replacement project. The project is slated to be completed in two phases. The first phase scheduled for late summer will include the backbone system comprised of new main lines being installed on Watt Avenue, Edison Avenue and a portion of Becerra Way. The first phase will be driven by available 2016 CIP budgeted funds. The second phase will be completed in 2017 and will include all the minor streets adjoining Watt Avenue, Edison Avenue and Becerra Way. 1st phase is 65% complete with an estimated construction budget between \$2.3 and \$2.7 million	Based on the District's Distribution Main Asset Management Plan Updated in 2014 it was determined that Edison Meadows was the next major waterline replacement to follow Drayton Heights. This project consists of an area bound by Watt Avenue, Edison Avenue, Norris Avenue, and Whitney Avenue. Project consists of installing 1,000-feet of 6-inch, 12,000-feet of 8-inch, and 14,200-feet of 12-inch mainline.	6/9/2016	DJ
SC16-018A2	128114	2015 Barcelona Waterline Replacement Project	Dave Jones	Incl. Above		\$109,945	\$71,576	C	95%	Project is complete with the exception of final paving to be completed by the County.	This project will consist of the installation of approximately 6,500 feet of new water mains and approximately 150 new metered service connections. The project area is outlined by El Camino Avenue, Howe Avenue, Bell Street, and Cottage Way. Construction is anticipated in 2015, depending on budget availability. The design work for this project was completed in-house.	6/9/2016	DJ
SC16-018B		Parkland Estates Area 56	Dave Jones	Incl. Above		\$37,473	\$148,851	C	0%	This project has been divided into two phases. The County of Sacramento intends to pave Eastern Avenue in the late spring of 2017. To avoid a pavement moratorium, the District will begin Phase 1 by installing approximately 3,000 feet of water mains in Eastern Avenue that will support the proposed water main project known as Parkland Estates, just east of Eastern Avenue. Work is anticipated to begin in mid to late-October and finish in December.		10/4/2016	DJ
SC16-018C		Paving Parnership 2015 PRJS				\$380,900	\$0						
SC16-018D2	135205	2015 Fair Oaks Estate Main Replacement Project	Dave Jones	Incl. Above		\$394	\$34,235	C	95%	Project is complete with the exception of final paving to be completed by the County.	This project will replace a high leak prone portion of ODS mainline. The project will also abandon a 6" water main where a garage was built over the water main that was not encumbered by an easement. The project area will consist of Fair Oaks Blvd., Estates Dr., Cortlandt Dr., Treehouse Ln., Columbia Dr., and Alton Ct. An aerial survey was prepared by Area West Engineers. The project was awarded to the Master Service contractors as Task No. 2. Construction began on July 13, 2015 and is expected to be substantially complete October 2, 2015.	6/9/2016	DJ
SC16-018E1	148600	Eastern Rand Lane	Dave Jones	Incl. Above		\$156,137	\$0	C	100%	The project is complete.	Final paving is not part of the Paving Partnership Agreement with County.	6/9/2016	DJ
SC16-018F1	149570	2016 Drayton Heights Main Repl. Project - Phase 2	Dave Jones	Incl. Above		\$4,383,650	\$3,014,734	C	80%	Doug Veerkamp General Engineering is down to the last 800 feet of pipe to be installed. They also have several tie-ins to complete after pipe testing is completed. To date, GM Construction has installed over 200 meters, over 250 service lines, and has completed 7 of the 10 construction phases. Overall, the construction work is approximately 80% complete (90% on main lines/65% on service lines). The project is currently on schedule and within budget.	Project will consist of the installation of 500-feet of 6-inch, 15,000-feet of 8-inch, and 11,000-feet of 12-inch mainline in the area surrounded by Elvyra Road, Fulton Avenue, Cottage Way, and Morse Avenue. This is the next mainline replacement project per the Distribution Asset Management Plan. This will be task order number 4 for Veerkamp, and task order number 5 for GM.	10/4/2016	DJ
			<b>Subtotals</b>	<b>\$8,593,500</b>	<b>\$0</b>	<b>\$5,136,127</b>	<b>\$3,436,468</b>				<b>Total budget, spent to date and additional encumbered funds on SC16-018 projects.</b>		
SC16-019	N/A	Distribution Main Improvements / Extensions / Interties and Resolving Utility Conflicts	See Below	\$801,500		\$0	\$0	See Below	See Below	See Below.	Includes various small main replacement projects to solve distribution system hydraulic issues and relocating District water mains and appurtenances due to grade conflicts with County of Sacramento improvements (storm drains, etc.). Small main replacement projects planned for construction in 2016 include the El Camino/Bell Main Extension and Keema Avenue Main Extension projects.		
SC16-019A	153704 159134	2016 Miscellaneous Repair Issues	Dave Jones	Incl. Above	\$10,175	\$12,586	\$32,414	D	0%	General repair issues throughout the year.	Any general repair issue that may occur. Espinoza-Abandon 4" main on Auburn/Lerwick-Complete	7/27/2016	DJ

SC16-019B	157672	Don Julio / Keema Main Extension	Dave Jones	Incl. Above		\$25,985	\$551,448	C	98%	Construction work by Tetra-Tech is completed. Close-out documentation is underway.	This project will eliminate a dead end distribution line in Keema Drive and provide a connection point to the Don Julio Junior High School.	10/4/2016	DJ
SC16-019D1		2015 DPMWD Intertie At Annette Street And Eastern Avenue	John Valdes	Incl. Above		\$26,873	\$0	C	100%	The project is completed. The District has reimbursed DPMWD for it's share of agreed-upon project costs.	The District will be cost sharing (50%) for a new 8" intertie between DPMWD and SSWD. SSWD is pre-ordering the vault and meter for the project. The project will be completed under DPMWD's contract with GM Construction. Project is to be completed in front of the County's paving project on Eastern Avenue in June 2015.	3/21/2016	JEV
SC16-019J1	147247	2015 Watt Avenue/Maggie Creek	Dave Jones	Incl. Above		\$48,334	\$0	C	95%	The project is complete except for final paving which is scheduled to be completed the week of June 20th.	In 2014 the District had yet another 12" PVC break, and with this break there are now two 12" dead ends that need to be reconnected on the south side of Maggie Creek to provide adequate circulation and fire flows for Watt Avenue.	6/9/2016	DJ
SC16-019K1	148784	2015 Brightwood Waterline Extension Project	Dave Jones	Incl. Above		\$98,119	\$0	C	100%	Tetra Tech has complete final asphalt restoration. Project has found to be acceptable by the County of Sacramento.	During the 2013 Meter Retrofit project it was discovered that a 2" ABS line existing on Brightwood Court that is currently feeding 4 homes. It was determined that no meters would be installed on the ABS and that new 6" mainline would have to be installed in order to complete the meter installations.	6/9/2016	DJ
SC16-019L1	106658	2015 Pasadena Avenue Main Connection Project	Dave Jones	Incl. Above		\$68,571	\$337	C	100%	Tetra Tech has completed all tasks associated with this project	During 2014 it was discovered during a shutdown to replace a service on Pasadena Avenue that it only required one valve due to a dead end pipeline approximately 214-feet away from another dead end pipeline. After reviewing the District's north and south systems it was determined that the two blow offs should be connected.	6/9/2016	DJ
				<b>Subtotals</b>	<b>\$801,500</b>	<b>\$10,175</b>	<b>\$220,468</b>	<b>\$584,200</b>					
SC16-020		McClellan Improvements	N/A	\$0		\$0	\$0	-	-	N/A	Improvements required per agreement with McClellan AFB. (Combined into project -019 above.)		
SC16-022	N/A	Water Related Street Improvements (Lowering/Raising Valve Boxes)	See Below	\$126,000		\$0	\$0	See Below	See Below	Budget decreased from \$150,000 to \$70,000 via budget transfer. See Below.	This project includes lowering and raising existing water valve boxes before and after pavement grinding and overlay by the County of Sacramento and/or the City of Citrus Heights. Typically, the County of Sacramento and City of Citrus Heights have 2 to 4 projects a year and the District's cost projection is an annual average of their project impacts. This project also includes work identified by the District's Preventative Maintenance (PM) crew including raising valve boxes, etc.		
SC16-022A	159132	City of Citrus Heights SRTS - Relocate 6" Blow Off	David Espinoza	Incl. Above	\$8,600	\$8,600	\$0	C	100%	Complete	The City of Citrus Heights has a project to install sidewalk along Antelope Road.	12/31/2016	DE
SC16-022A1	154113	County Contract #(4220) El Camino Lower/Raise Valves on 2015 Federal AC Overlay Project	David Espinoza	Incl. Above	\$35,000	\$18,120	\$14,860	C	100%	Work complete. Waiting for invoices from GM to close out project.	Lower then raise approximately 67 valve boxes along El Camino Avenue, Eastern Avenue and Marconi Avenue. Tricia is procuring the new valve boxes.	10/5/2016	DE
SC16-022B	159166	County FOB & Mariemont Sidewalk Project - Relocate Fire Hydrant	David Espinoza	Incl. Above	\$47,284	\$47,284	\$0	C	100%	Complete	The County will be installing sidewalk along Fair Oaks Boulevard, near Mariemont Ave. District has a FH along FOB that will need to be relocated onto the Mariemont side.	12/31/2016	DE
SC16-022B1	147558	County Contract #(4263) Fulton Lower/Raise Valves on 2015 AC Overlay Project	David Espinoza	Incl. Above	\$32,664	\$2,900	\$32,427	C	100%	Complete. Last invoiced being processed 9/16/16.	Lower then raise approximately 53 valve boxes along Fulton Avenue from Marconi Avenue to Auburn Blvd. Tricia is procuring the new valve boxes.	9/16/2016	DE
SC16-022C1		County Contract #(4269) Garfield Lower/Raise Valves on 2015 Federal Phase 2 AC Overlay Project	David Espinoza	Incl. Above	\$0	\$0	\$0	C	0%	County confirmed project delayed again.....to 2017	Lower then raise approximately 8 valve boxes along Garfield Avenue from S/O of Verner Avenue to Greenback Lane. Tricia is procuring the new valve boxes.	12/31/2016	DE
				<b>Subtotals</b>	<b>\$126,000</b>	<b>\$123,548</b>	<b>\$76,904</b>	<b>\$47,287</b>					
SC16-024	140255	Meter Retrofit Program - District Funded and 2013/14 CalFED Meter Retrofit Grant & WaterSMART Grant	David Espinoza	\$1,836,700		\$1,494,003	\$342,797	C	N/A	See Below.	District is on schedule to comply with AB 2572 requirement to install meters in California by 2025. Specific meter retrofit schedule is in accordance with updated Water Meter Retrofit Plan originally adopted in September 2004 and last updated in 2015. In 2016, an estimated 1,510 meters will be replaced as part of the retrofit program. Note that the District committed to installing 1,476 meters to receive the grant funding; the remaining 34 meters are being installed to complete a meter retrofit area. It is currently anticipated that available 2015 CIP funds will be used to purchase materials in advance for the 2016 retrofit project. In 2017, an estimated 1,216 meters will be replaced as part of the retrofit program.	9/16/2016	DE
SC16-024A		Voluntary Meter Retrofit Program	Matt Underwood	\$75,000	\$55,000	\$33,432	\$5,550		0%	Meters installed per customer requests. Fourteen meters installed YTD.	Budget is provided to install new water meters as requested by customers through the District's voluntary meter program. Expenditures over the past five years have averaged approximately \$125,000/year.	9/16/2016	MTU
SC16-024B1	151609	2016 Meter Retrofit WaterSMART Grant Project	David Espinoza	Included in SC16-024	\$1,060,000	\$2,578	\$11,799	C	100%	All 896 services have been retrofitted with meters. Flowline's contract was for \$1,154,763. Processed final payment on 10/5/2016.	A total of 896 meters are scheduled for installation with this project. Approximately 83 meters will be replaced using the CalFed WaterSMART grant funds (\$145,000). Both of these grants were obtained to accelerate meter installation.	10/5/2016	DE
SC16-024C1	151629	2016 Meter Retrofit CalFED Grant Project	David Espinoza	Included in SC16-024	\$772,656	\$0	\$0	C	100%	Flowline was awarded the contract in the amount of \$772,656. All 614 services have been retrofitted with meters. Will process final invoice week of 10/10/2016.	A total of 614 meter are scheduled for installation with this project. Approximately 56 meters will be replaced using CalFed Water Use Efficiency grant funds (\$98,000). Both of these grants were obtained to accelerate meter installation.	10/5/2016	DE

				Subtotals	\$1,911,700	\$1,887,656	\$1,530,013	\$360,146					
SC16-042		Meter Replacement and Repair	Matt Underwood	\$558,000		\$391,290	\$144,255	P	0%	Orders have been placed for (128) .75" meters, (236) 1" meters, (107) 1.5" meters, (64) 2" meters, and (491) MTUs. This will replace the remaining Sensus and Neptune meters 2" and below in the system. These meters have outlived their useful life and have 100 cubic foot registers that are not compatible with AMI technology. This is "Phase 1" of this project. A P.O. has been issued to Tetra Tech to replace (107) 1.5" meters and (64) 2" meters. Work has begun and 147 meters have been replaced. A P.O. has been issued to Flowline for the 1" and below meters. Additional ~650 meters were ordered for a total of approximately 1,000 1" and below meters to be replaced by Flowline.	As recommended in the 2015 Water Meter Asset Management Plan (100-year replacement schedule) with some adjustments to level out the work each year. This is the initiation of a planned program to repair and/or replace water meters that have outlived their useful life (estimated at 20 years). In the Asset Management Plan, an inventory of meters installed from pre-1990 through 2014 was used to project a 100-year meter replacement schedule. In 2016, it is estimated that 1,200 existing water meters in sizes from 3/4-inch to 1-inch will be replaced. An additional 188 existing meters in the 1-1/2" and 2" sizes will also be replaced as these meters are not rebuildable and they are not compatible with AMR. The new water meters will be compatible with the fixed network meter reading system. For 2017, an additional 1,200 existing water meters in sizes from 3/4-inch to 1-inch will also be replaced.	9/16/2016	MTU
SC16-027	See Below	Distribution System Major Repairs	See Below	\$350,000		See Below	See Below	See Below	See Below	See Below	Consists of repair of major main breaks that require replacement of infrastructure.		
SC16-027H	158362	4533 Antelope Road	Bob Ames	Incl. Above		\$70,200	\$0	C	75		Emergency water main failure.. Contracted Paving restoration to CVE.	7/18/2013	RDA
SC16-027I	159855	4641 Norris Avenue	Bob Ames	Incl. Above		23920	0	C	90		Scheduled water main/fire hydrant repair replacement due to leak on 6" mls watermain.	8/23/2016	RDA
Subtotals				\$350,000	\$0	\$256,772	\$11,424						
SC16-028	See Below	Distribution System Improvements	See Below	\$375,000		See Below	See Below	See Below	See Below	See Below	Note: New account. Includes funds originally budgeted under O&M Accounts No. 07-54507, 07-54511 and 08-54507. Covers costs for miscellaneous distribution system repairs improvements including new taps/saddles, new water service lines, etc.		
Subtotals				\$375,000	\$0	\$0	\$7,400						
SC16-038		Large Water Meter (> 3") Replacement Program	Matt Underwood	\$140,000		\$97,357	\$29,221	C	0%	Five service upgrades. Eight 6" fire service meters have been identified as having restricted flow due to excessive build-up in the strainer and also failed accuracy testing. The manufacturer no longer supports this product. An order has been placed for replacement meters. Meters have been received and work is scheduled.	Budget is provided for the replacement of large (> 3") water meters that have outlived their useful life. In most cases, it is unnecessary to replace the meters; instead the large meters are rebuilt. As a result, this account is generally used to upgrade the service to current District standards with a bypass to allow for future testing and maintenance without interrupting water service to the customer. This is an ongoing project and work is scheduled according to findings related to the Meter PM Program. For 2016 and 2017, an additional \$50,000 has been included in the budget for the installation of meter bypasses.	9/16/2016	MTU
Subtotals				\$140,000	\$0	\$97,357	\$29,221						
SC16-039	N/A	Fire Hydrant Replacement / Rehabilitation / Additions	See Below	\$200,000		See Below	See Below	See Below	See Below	See Below.	Note: Similar to 2015, the 2016 budget has been increased by \$100,000 using funds that were originally included in the O&M budget (Account #07-54507). The 2009 Water System Master Plan identifies some areas with insufficient fire flow. This project will bring these areas into compliance with minimum District and fire district standards, especially in those areas where main replacement projects are not scheduled for several years. A similar budget is proposed for 2017.		
SC16-039D	150402	McKinney Road	Bob Ames	Incl. Above		\$0	\$4,356	C	100	Completed.	Staff identified a fire hydrant that is non-operational or repairable.	6/14/2016	RDA
Subtotals				\$200,000	\$0	\$0	\$7,124						
<b>STORAGE &amp; DISTRIBUTION</b>													
SC16-034	N/A	Corrosion Control and Reservoir and Tank Painting/Coating, Upgrades and Improvements	See Below	\$200,000		\$0	\$0	See Below	See Below	SC16-034A budget decreased from \$450,000 to \$150,000 via budget transfer. See Below.	Note: Includes funds originally budgeted under O&M Account 06-54508. Transmission mains, storage and hydropneumatic tanks, and corrosion control facilities are on a scheduled maintenance program for inspection, testing, and recoating as necessary. Many of the District's above ground storage reservoirs have existing cathodic protection systems in place, but they have not been serviced since installation. The District is going to complete a survey on each system verifying its proper operation. As part of this process, a corrosion consultant is assisting with coating inspections in 2015 to determine a baseline for each of the above ground storage reservoirs. These inspections are being performed by a certified Coating Inspector Level 1. This condition assessment will help provide the District with better knowledge of the existing conditions of the tanks and which tanks are in need of repair or restoration in 2016.		
SC16-034A	121917	Corrosion Control - CMLC Water Mains	David Espinoza	\$150,000		\$6,255	\$1,945	D	90%	On hold	The District is moving forward with acquiring well drilling permits for the Conveyance Pipeline to install five new anode wells. Additionally, the District is working with SMUD to acquire power for each of the five sites. AWE is working on collecting any necessary easements for all rectifier locations. JDH Corrosion is working with SMUD to finalize drawing set. SMUD has re-designed two rectifier locations requiring additional design work.	9/16/2016	DE
SC16-034C2	153186	Hydraulic Improvements at Elevated Tanks #216, 769, and Capehart--Elevated Tank Corrosion Control	Mitch Dion	Incl. Above		\$23,890	\$39,180	C	95%	CAPEHART - Final testing for this site has been completed, it is operational. Need easement for power to Panel. #769 - is complete. #216 - is also operational but off line for coating.	Affinity Engineering has designed hydraulic improvements for the Elevated Tanks #216, 769, and Capehart to make them in compliance with DDW inspection requirements. Kirby Pumps and Prodigy Electric are performing the work. Construction work started in January 2015.	10/6/2016	MD

SC16-034D2	153188	Antelope Reservoir Flow Meter Replacement	John Valdes	Incl. Above		\$12,870	\$19,937	P	10%	Design and drawings were completed. Prices for this work were solicited and significantly exceed the estimate. A review of the project is underway.	The flow meter at the Antelope Reservoir is not working properly and needs to be replaced. Due to backorder constraints and lead time, the flow meter will be purchased in early 2015 and the design work and construction will occur in 2015.	10/6/2016	JEV/MD
			<b>Subtotals</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$43,015</b>	<b>\$61,062</b>						
<b>SPECIAL PROJECTS</b>													
SC16-035	N/A	Professional/ Special Services	See Below	\$89,440		See Below	See Below	See Below	See Below	See Below.	Includes potential professional services for CEQA Work, Preliminary Design, Special Studies, Hydraulic Modeling, Surveying, etc.		
SC16-035A		Misc. Consulting Services	John Valdes	Incl. Above		\$39,440	\$0	N/A	N/A	Ongoing.	A contract has been executed with Mitch Dion to provide miscellaneous consulting services to the District.	4/5/2016	JEV
SC16-035B	N/A	Hydraulic Model Training and Meter Sizing	David Espinoza	Incl. Above	\$15,345	\$8,497	\$6,848	P	100%	Training and assistance is complete.	A contract has been executed with Brown and Caldwell in the amount of \$15,345 for hydraulic model training and meter sizing. Assistance is needed for hydraulic model training and meter sizing.	9/16/2016	DE
SC16-035B1		2015 Conveyance Rectifier Easements	David Espinoza	Incl. Above	\$3,800	\$3,575	\$0	D	75%	Patrick Project - On hold? Area West is attempting to collect signatures from Antelope Fellowship Christian at the corner of Antelope and Old Auburn. JDH is working on re-design of an existing anode well location to accommodate a property owner's requests, which will affect the timeline of acquiring an easement.	This is a task order for Area West to determine the limits for three easements to install new rectifiers on the Conveyance Pipeline at the following locations: Old Auburn Road and Antelope Road/Purslane Way/Don Julio Way and Antelope Road.	6/15/2016	DE
SC16-035C		Pipe Teting/Forensic Analysis				\$203							
SC16-035D1		Property Acquisition on North Antelope Road	John Valdes/Dave Jones	Incl. Above		\$2,578	\$1,823	N/A	95%	Area West Engineers has requested and received letters from every utility company indicating that have no objection to the two street right-of-ways being abandoned. These letters have been forwarded to the County Dept. of Transportation for the actual right-of-way abandonment which must be approved by the County Board of Supervisors. Site requires fencing which will be separate project.	The District is in the process of purchasing two separate parcels located on Antelope North Road just north of the Antelope Reservoir Facility.	10/5/2016	JEV
SC16-035E2		Long Term Warren Act Contract Consulting Services	Dan York/John Valdes	Incl. Above		\$0	\$0	N/A	N/A	A contract has been executed with Municipal Consulting Group (MCG). The work is underway and preparation for 2017 are in place.	Municipal Consulting Group (MCG) will assist the District in negotiations with USBR on a Long Term Warren Act Contract. MCG's fee for this work is \$17,900.	10/5/2016	DY
SC16-035G2	134788	Elevated Water Tank Analysis and Improvements	Mitch Dion	Incl. Above		\$0	\$0	C	95%	Affinity's design is complete. They are assisting with project management of the hydraulic improvements project. Tanks have been cleaned. Operational controls adapted for 3 of 3 sites complete.	Based on a CDPH inspection, three of the District's elevated water storage tanks have operational issues and common inlet/outlet designs that may pose water age problems. According to CDPH, "All new reservoirs must have a separate inlet and outlet. Since these are existing tanks, SSWD should submit an operational plan that shows how the water in the tanks will be routinely cycled to minimize water stagnation." New booster pumps are proposed to allow the water in the tanks to be cycled in/out on a daily basis.	10/8/2016	MD
			<b>Subtotal</b>	<b>\$89,440</b>	<b>\$19,145</b>	<b>\$54,292</b>	<b>\$8,671</b>						
<b>CONJUNCTIVE USE</b>													
SC16-044		Capital Improvements to CTP (SJWD)	John Valdes	\$7,000		\$0	\$0	-	-	Still waiting to be invoiced by SJWD.	District's cost share (owed to San Juan Water District) for Cooperative Transmission Pipeline (CTP) Corrosion Testing for 2015.	4/5/2016	JEV
SC16-045	158588	Enterprise Intertie Improvements	John Valdes	\$101,000		\$0	\$0	D	-	Design is complete. Pricing from contractors to install the valve actuator and provide any piping modifications was received. A price from Prodigy Electric will be received to run conduit and wire for the actuator to the appropriate electrical panels. A price from Tesco will be received in order to revise the PLC programming for the new actuator. The valve and actuator should be installed by November 21, 2016. Tesco and Prodigy should have their work completed by December 9 and startup should occur by December 16.	SSWD has an existing intertie with the City of Sacramento at SSWD's Enterprise Reservoir site. This intertie was originally designed for SSWD to take delivery of treated surface water purchased from the City of Sacramento. With the addition of some piping, a control valve and instrumentation and controls, this intertie can also be used for SSWD to deliver excess groundwater supplies to the City of Sacramento in dry years, thereby promoting conjunctive use. It is estimated that an instantaneous supply of as much as 20.0 mgd could be made available for delivery to the City. The estimated total project cost is \$178,700 but a Prop. 84 Drought Implementation Grant in the amount of \$118,225 has been awarded by the Dept. of Water Resources (DWR). Currently a cost-sharing agreement is being negotiated with the City of Sacramento. Once an agreement is finalized, design work can begin. It is anticipated that design and construction will both be completed in 2016.	10/6/2016	JEV/MD
			<b>Totals</b>	<b>\$19,371,000</b>	<b>\$3,103,241</b>	<b>\$11,421,329</b>	<b>\$8,006,998</b>						





## Agenda Item: 23

**Date:** October 5, 2016

**Subject:** Cal WaterFix Hearing Update

**Staff Contact:** Dan York, Assistant General Manager

The Cal WaterFix hearings continue as planned. Part 1A of the Cal WaterFix change petition hearing ended on September 27, 2016. At the conclusion of Part 1A, the hearing officers gave Part 1B parties an opportunity to respond to objections regarding the scope of their testimony and exhibits. Generally, the hearing officers provide guidance that only issues relating to Part 1 of the hearing will be discussed in Part 1B. Testimony relating to Part 2 issues, such as fish, wildlife, recreation, public interest, and flow criteria, will not be heard in Part 1B of the hearing, which begins on October 20, 2016.

The “American River” Joint Defense Group (Placer County Water Agency, San Juan Water District, Sacramento Suburban Water District, City of Folsom, City of Roseville, City of Sacramento, Sacramento County Water Agency, and Sacramento Municipal Utility District) are designated to present testimony in Part 1B to protect their interests as legal users of water during the Cal WaterFix hearing. The first day of Part 1B is scheduled for October 20, 2016.

Attached to this report as Exhibit 1, is a letter to the SWRCB concerning Cal WaterFix. The letter is signed by 12 northern California members of the Legislature and argues that the SWRCB should deny Department of Water Resources and Bureau of Reclamation’s water-right change petition for Cal WaterFix. It cites a number of reasons for denying the petition and repeats many arguments that environmental groups have made. Those arguments go beyond Cal WaterFix to argue that excessive diversions have reduced Delta flows to the detriment of fish, among other things.

EXHIBIT 1

## CALIFORNIA LEGISLATURE

STATE CAPITOL  
SACRAMENTO, CALIFORNIA  
95814

October 3, 2016

Felicia Marcus, California WaterFix Project Co-Hearing Officer  
Tam Doduc, California WaterFix Project Co-Hearing Officer  
State Water Resources Control Board  
1001 I Street  
Sacramento, CA 95814

Dear Ms. Marcus and Ms. Doduc:

As representatives of California's Sacramento-San Joaquin-San Francisco Bay Delta communities, we would like to register our strong opposition to the Petition for Change in Water Rights that has been submitted by the Department of Water Resources and the U.S. Bureau of Reclamation. The petition seeks to add three new points of water diversion to specified water rights permits for the State Water Project and the Central Valley Project associated with the California WaterFix Project. These diversions will cause catastrophic damage to the environment and economy of the Delta region and the entire San Francisco Bay Region, and should not be approved.

The Delta Reform Act of 2009 created the co-equal goals of ensuring a reliable water supply for California while protecting and enhancing the Delta ecosystem--with the ultimate aim of reducing reliance on the Delta in meeting California's future waters supply needs. The Delta Reform Act also established that these coequal goals be achieved while protecting and enhancing the unique cultural, recreational, natural resource, and agricultural values of the Delta.

While the Bay Delta Conservation Plan and its successor project, the California WaterFix, claim their efforts serve to restore the fragile Delta ecosystem, the proposed WaterFix does nothing to achieve the goals of the 2009 legislative package that established the Delta Reform Act. In fact, the proposed project will likely lead to the catastrophic degradation of the California Delta ecosystem if permitted to proceed.

Current water quality standards are already failing to protect fish and wildlife and other beneficial uses of the estuary's water. There is scientific evidence that insufficient freshwater

flows and inadequate water quality are primary drivers of the long-term degradation of ecological conditions in the Bay-Delta estuary. The amount of freshwater entering the San Francisco Bay has significantly decreased due to diversion, leading to diminished populations of fish and wildlife and reduced water quality in the Bay. The reduction in fresh water flows is also leading to the spread of invasive species such as the water hyacinth, as well as increases in toxic algal blooms, which produce neurotoxins and cyanobacteria that poison wildlife and can be harmful to human health.

Contrary to its name, the WaterFix would only exacerbate conditions in the Delta by diverting up to two-thirds of the Sacramento River, leading to increased salinity and contributing to further declines in fish, birds, and other wildlife in the Delta.

Reduced freshwater resulting from the project will have a domino effect on the Delta's unique food-web, putting hundreds of plant and wildlife species at risk—including the critically endangered Delta Smelt, and the endangered Chinook salmon and the Greater Sandhill Crane—at risk of extinction due to diminished food supply and habitat loss. Even ocean wildlife such as the South Pacific Puget Sound Orca Whales that depend on migrating Delta species could face endangerment.

The WaterFix not only poses serious threats to the Delta's environment, but will also affect the Delta's \$5.2 billion agricultural economy. Farmers cannot irrigate crops with salt water and they certainly cannot plant crops in contaminated soils resulting from salinity intrusion. Generations of family farms and farm workers, and ancillary businesses, could be devastated.

Delta and Coastal fisheries, which are dependent on thriving wildlife, are also at risk. This iconic industry is worth billions annually, with the salmon industry worth \$1.5 billion annually alone. Increased contaminants and loss of fish populations resulting from the WaterFix not only threaten the thousands of jobs and livelihoods tied to these industries, but the food security of low-income communities that depend on subsistence fishing.

Additionally, construction and operation of the proposed project will decimate the Delta's \$750 million recreation and tourism economy for years to come by obstructing and disabling navigable water ways for boating, marinas, and other types of leisure activities.

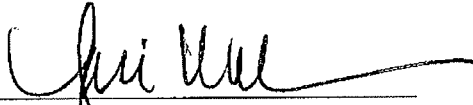
In addition to all of these credible impacts, there is wide ranging concern that the science used to justify the WaterFix is highly flawed. Virtually every scientific panel that has reviewed the environmental documents for the Delta Tunnels plan, ranging from the Delta Independent Science Board to federal Environmental Protection Agency scientists, has strongly criticized the badly flawed "science" the project is based upon. The EPA released a statement on August 30, 2014 that operating the proposed conveyance facilities "would contribute to increased and persistent violations of water quality standards in the Delta, set under the Clean Water Act," and that the tunnels "would not protect beneficial uses for aquatic life, thereby violating the Clean Water Act."

Furthermore, it should be noted that the SWRCB decision on the Tunnels permit is coming before the SWRCB updates the Bay Delta Water Quality Control Plan, and these flow and water quality standards are woefully out-of-date. The Water Quality Control Plan should be updated

before any approval of WaterFix permits which will allow the Board to evaluate whether a new conveyance actually makes sense given stronger standards requiring more water flow into the Delta.

The WaterFix project fixes nothing, failing to achieve the objectives laid out by the Delta Reform Act. This proposal will not provide any increase in water supply, and will cause serious and potentially irreparable harm to the Delta's precious and fragile ecosystem, as well as its communities and economy. For these reasons, we encourage you to deny the water rights petition before you.

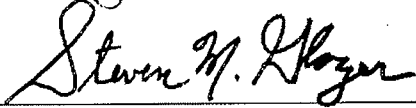
Sincerely,



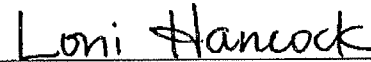
Lois Wolk  
State Senator, 3<sup>rd</sup> District



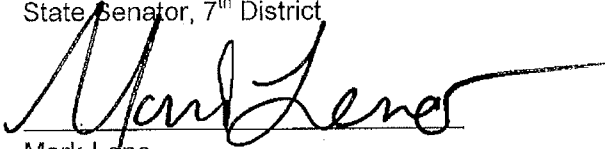
Cathleen Galgiani  
State Senator, 5<sup>th</sup> District



Steven M. Glazer  
State Senator, 7<sup>th</sup> District



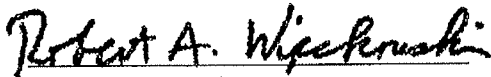
Loni Hancock  
State Senator, 9<sup>th</sup> District



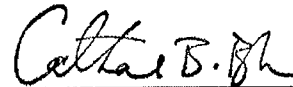
Mark Leno  
State Senator, 11<sup>th</sup> District



Dr. Richard Pan  
State Senator, 6<sup>th</sup> District



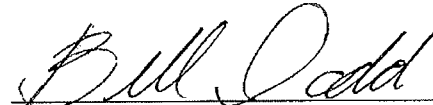
Bob Wieckowski  
State Senator, 10<sup>th</sup> District



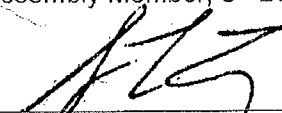
Catherine B. Baker  
Assembly Member, 16<sup>th</sup> District



Ken Cooley  
Assembly Member, 8<sup>th</sup> District



Bill Dodd  
Assembly Member, 4<sup>th</sup> District



Susan T. Eggman  
Assembly Member, 13<sup>th</sup> District



Jerry Hill  
State Senator, 13<sup>th</sup> District



## Agenda Item: 24

**Date:** October 6, 2016

**Subject:** Legislative and Regulatory Update

**Staff Contact:** Dan York, Assistant General Manager

### RWA Government Affairs Committee

The last day for the Governor to sign or veto bills passed by the Legislature was September 30, 2016. The RWA Lobbyist Subscription Program Committee members continue to review the Legislative Hot List, as well as other relevant legislation, to gauge potential future 2017 legislation as bills which were not chaptered may reincarnate in a future legislative term. Attached as Exhibit 1 is RWA's Legislative Summary.

The RWA has tentatively scheduled a tour for legislators on November 15, 2016. The tour would comprise of visiting Carmichael Water District's Bajamont Treatment Plant, City of Sacramento's Fairbairn Water Treatment Plant, and SSWD groundwater facilities equipped with chorine and fluoride treatment. During the tour discussion points are expected to cover the following topics:

- An overview of RWA and the major drinking water systems in the region.
- The extensive monitoring and reporting requirements on water quality.
- The challenges presented by large contaminant plumes in our groundwater basin.
- The use of remediated water for beneficial uses.
- The efforts ahead for treatment of hexavalent chromium.
- The need for state financial support through Prop 1.

The RWA Government Affairs Committee met on September 21, 2016 to begin developing RWA's legislative and regulatory agenda for 2017. Once in draft form, the document will then be circulated for comment, and ultimately for approval by the RWA membership.

### State

The Governor signed SB 1398 (Leyva) Public Water Systems, Lead User Service Lines: This bill will require a public water system to compile an inventory of known lead user service lines in use in its distribution system and identify areas that may have lead user service lines in use in its distribution system by July 1, 2018. This bill will require a public water system, after completing the inventory, to provide a timeline for replacement of known lead user service lines

in the distribution system to the State Water Resources Control Board (SWRCB). This bill will require, by July 1, 2020, a public water system with areas that may have lead user service lines in use in its distribution system to either determine the existence or absence of lead user service lines in these areas and provide that information to the board or provide a timeline for replacement of the user service lines whose content cannot be determined. This bill will require the SWRCB to approve a replacement timeline, as specified.

This bill could potentially cost public water systems a substantial amount of money to determine if they have lead in their distribution systems. Public water systems in the State of California do not have consistent levels of knowledge and data concerning the existence of lead in their water distribution systems. This is a particular concern for small water systems, those located in disadvantaged communities, and those whose service areas include former military bases and other facilities that are being converted to civilian use after being deeded to a county or other local land use authority. Public water systems in the State are already required to comply with a drinking water permit issued by the board, the United States Environmental Protection Agency's Lead and Copper Rule, and other state and federal requirements intended to protect public health. Public water systems must regularly test their water supplies both at the source and within their distribution systems to ensure that water users are not exposed to lead. Members of the RWA Lobbyist Subscription Program worked with Senator Leyva's staff to amend the subject bill. The efforts were not totally lost. One of the major unknowns for the District on the location of lead pipes is in the McClellan Park distribution system. One of the amendments to the bill is below:

- In cases where a portion of a public water system's distribution system is located within a Superfund site, as designated under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (42 U.S.C. Sec. 9601 et seq.), under an active cleanup order, the board shall not propose a timeline for lead user service line replacement that does not conform to any applicable federal regulatory requirements or timelines.

There are concerns being addressed on the water levels in state and federal reservoirs continuing to decline. Lake Shasta is at 61% of total capacity and 102% of historical average capacity; Oroville Reservoir is at 45% of total capacity and 73% of historical average capacity; Folsom Lake is at 31% of capacity and 55% of its historical average capacity for this time of year.

#### State Bills of Interest (2015 two year bills)

#### **Key Bills**

#### **Topic**

- AB 453 (Bigelow)** GW Management – **(Signed)**
- AB 1362 (Gordon)** Mosquito Abatement: apt of members - **(Signed)**
- AB 1555 (Gomez)** Greenhouse Gas Reduction Fund – **(Referred to Committee)**

- d. **AB 1716 (McCarty)** Lower American River Conservancy – **(Signed)**
- e. **AB 2022 (Gordon)** Advanced Purified Demonstration Water – **(Signed)**
- f. **SB 163 (Hertzberg)** Recycled Water Mandate - **(Referred to Committee)**
- g. **SB 814 (Hill)** Excessive Water Use During Drought Emergency – **(Signed)**
- h. **SB 1317 (Wolk)** Permits For Ground Water Extraction – **(Suspended)**
- i. **SB 1340 (Wolk)** Water Conservation In Landscaping – **(Vetoed)**
- j. **ACA 8 (Bloom)** Local Government Financing – **(Referred to Committee)**

### **Federal**

On September 29, 2016, the House of Representatives passed H.R. 5303, the Water Resources Development Act of 2016 (WRDA). The legislation, which passed by a vote of 399-25, contains \$5 billion for the nation's water infrastructure, including dams, locks and flood protection. By passing of this bill, it is paving the way for negotiations to reconcile that bill with S. 2848, the Senate's version of WRDA. The Senate approved bill S. 2848 in September 2016 by a vote of 95-3. The House action came after several days of tense negotiations, including whether WRDA would come to the floor at all, how to resolve conflict over a provision seeking to move harbor maintenance trust fund revenues off budget, and how to address the Flint water crisis. Leadership on both sides of the aisle expressed confidence in being able to come to agreement on a final bill in the lame duck session, despite some significant policy differences, notably more than half of the Senate version is focused on drinking water projects, typically outside the scope of a traditional WRDA.

### **Federal Bills of Interest (113th Congress)**

- a. **HR 5781 California Emergency Drought Relief Act of 2014** - This bill was introduced in a previous session of Congress and was passed by the House on December 9, 2014 but was never passed by the Senate.
- b. **HR 1837 - San Joaquin Valley Water Reliability Act (Nunes)** -To address certain water-related concerns on the San Joaquin River, and for other purposes.
- c. **HR 4345 - Domestic Fuels Protection Act of 2012 (Shimkus)** - A bill to provide liability protection for claims on the design, manufacture, sale, offer for sale, introduction into commerce, or use of certain fuels and fuel additives, and for other purposes.

- d. **HR 6484 - SAFE Levee Act (Garamendi)** - To amend the Calfed Bay-Delta Authorization Act to authorize the secretary of the Interior to provide assistance to non-Federal interests for levee stability improvements located within the Sacramento- San Joaquin Delta related to Bureau of Reclamation Central Valley Project water deliveries, and for other purposes.
  
- e. **S 1140 – Federal Water Quality Protection Act (Barrasso)** - This bill requires the Department of the Army and the Environmental Protection Agency, in the interest of protecting traditional navigable waters from water pollution, to adhere to certain principles and take specified actions in proposing any regulation revising the definitions of "waters of the United States" and "navigable waters."

Another federal issue of importance to the District is the uncertainty surrounding tax treatment of water conservation rebates. With the California Governor's emergency drought regulations, the state and numerous water districts, including SSWD, significantly raised funding for water conservation rebates such as turf replacement, pool covers, smart irrigation controllers, etc. With the current confusion as to how the Internal Revenue Service will treat these rebates, there is uncertainty as to whether individual water agencies may be subject to penalties for failing to issue IRS form 1099's to participating customers. Staff will work with other affected entities and trade organizations to request administrative clarification from the federal government on how water conservation rebates must be handled for tax purposes. We note that energy conservation rebates are currently excluded from taxable income. Water conservation rebates should have similar tax treatment.



## RWA Legislative Summary 10/4/2016

- AB 397**     **(Mathis R) Bonds: transportation: water projects.**  
**Current Text:** Amended: 4/14/2015 [pdf](#) [html](#)  
**Summary:** Would provide that no further bonds shall be sold for high-speed rail purposes pursuant to the Safe, Reliable High-Speed Passenger Train Bond Act for the 21st Century, except as specifically provided with respect to an existing appropriation for high-speed rail purposes for early improvement projects in the Phase 1 blended system. The bill, subject to the above exception, would require redirection of the unspent proceeds received from outstanding bonds issued and sold for other high-speed rail purposes prior to the effective date of these provisions, upon appropriation, for use in retiring the debt incurred from the issuance and sale of those outstanding bonds.
- AB 435**     **(Chang R) California Environmental Protection Agency: Natural Resources Agency: Web casts of public meetings and workshops.**  
**Current Text:** Amended: 8/18/2015 [pdf](#) [html](#)  
**Summary:** Would require that each department, board, and commission of the Natural Resources Agency, except as specified, and each department, board, and office of the California Environmental Protection Agency Web cast all onsite public meetings, in a manner that enables listeners and viewers to ask questions and provide public comment by telephone or electronic communication commensurate with those attending the meeting. The bill would require the agencies to make the recording of a Web cast available online for no less than 3 years for subsequent viewing by interested members of the public.
- AB 453**     **(Salas D) Extraction of groundwater: Semitropic Water Storage District.**  
**Current Text:** Chaptered: 9/22/2016 [pdf](#) [html](#)  
**Summary:** Would authorize the Semitropic Water Storage District to collect groundwater extraction information and to require the reporting of groundwater information, as specified. This bill would authorize the district to impose fees on the extraction of groundwater from the basin, as prescribed. This bill contains other related provisions.
- AB 581**     **(Gomez D) Water Quality, Supply, and Infrastructure Improvement Act of 2014.**  
**Current Text:** Amended: 1/4/2016 [pdf](#) [html](#)  
**Summary:** The Water Quality, Supply, and Infrastructure Improvement Act of 2014 provides that it is the intent of the people that, to the extent practicable, a project supported by the funds made available by the act will include signage informing the public that the project received funds from the act. This bill would require certain recipients of funding pursuant to the act to post signs acknowledging the source of funds in accordance with guidelines that the Secretary of the Natural Resources Agency would be required to develop.
- AB 647**     **(Eggman D) Beneficial use: storing of water underground.**  
**Current Text:** Amended: 6/30/2015 [pdf](#) [html](#)  
**Summary:** Current law declares that the storing of water underground, and related diversions for that purpose, constitute a beneficial use of water if the stored water is thereafter applied to the beneficial purposes for which the appropriation for storage was made. This bill would repeal that declaration and instead declare that the diversion of water to underground storage constitutes a beneficial use of water if the water so stored is thereafter applied to the beneficial purposes for which the appropriation for storage was made, or if the water is so stored consistent with a sustainable groundwater management plan, statutory authority to conduct groundwater recharge, or a judicial decree and is for specified purposes.
- AB 723**     **(Chiu D) Housing: finance.**  
**Current Text:** Chaptered: 9/24/2016 [pdf](#) [html](#)  
**Summary:** Would authorize the Department of Housing and Community Development to issue a Notice of Funding Availability under which the director of the department could determine that an applicant previously awarded funds is eligible to apply for, and receive, additional funds pursuant to the Community Development Block Grant Program, without regard to whether the applicant has expended at least a certain percentage of funds previously awarded. This bill contains other related provisions and other existing laws.
- AB 935**     **(Salas D) Water projects.**  
**Current Text:** Chaptered: 9/25/2016 [pdf](#) [html](#)  
**Summary:** Current law establishes in the Natural Resources Agency the Department of Water Resources, which manages and undertakes planning with regard to water resources in the state. This bill would require, upon appropriation by the Legislature, the department to provide funding for a certain project provided that certain conditions are met.
- AB 937**     **(Salas D) Groundwater planning: technical assistance: disadvantaged communities.**

- d. **HR 6484 - SAFE Levee Act (Garamendi)** - To amend the Calfed Bay-Delta Authorization Act to authorize the secretary of the Interior to provide assistance to non-Federal interests for levee stability improvements located within the Sacramento- San Joaquin Delta related to Bureau of Reclamation Central Valley Project water deliveries, and for other purposes.
  
- e. **S 1140 – Federal Water Quality Protection Act (Barrasso)** - This bill requires the Department of the Army and the Environmental Protection Agency, in the interest of protecting traditional navigable waters from water pollution, to adhere to certain principles and take specified actions in proposing any regulation revising the definitions of "waters of the United States" and "navigable waters."

Another federal issue of importance to the District is the uncertainty surrounding tax treatment of water conservation rebates. With the California Governor's emergency drought regulations, the state and numerous water districts, including SSWD, significantly raised funding for water conservation rebates such as turf replacement, pool covers, smart irrigation controllers, etc. With the current confusion as to how the Internal Revenue Service will treat these rebates, there is uncertainty as to whether individual water agencies may be subject to penalties for failing to issue IRS form 1099's to participating customers. Staff will work with other affected entities and trade organizations to request administrative clarification from the federal government on how water conservation rebates must be handled for tax purposes. We note that energy conservation rebates are currently excluded from taxable income. Water conservation rebates should have similar tax treatment.

**Current Text:** Amended: 7/16/2015 [pdf](#) [html](#)

**Summary:** Would require the Department of Water Resources to provide technical assistance to disadvantaged communities so that they may participate in groundwater planning, including, but not limited to, plans for regional groundwater banking, with any county or other local agency.

**AB 938** (**Rodriguez D**) **Sustainable Groundwater Management Act: adjudicated basins.**

**Current Text:** Amended: 3/9/2016 [pdf](#) [html](#)

**Summary:** Would authorize the watermaster or local agency administering an adjudicated basin to elect that the adjudicated basin be subject to the provisions of the Sustainable Groundwater Management Act. The bill would authorize the court with jurisdiction over the adjudicated basin to issue an order setting a hearing to determine whether the adjudicated basin shall be subject to the act, as prescribed. This bill contains other related provisions and other existing laws.

**AB 954** (**Mathis R**) **Water and Wastewater Loan and Grant Program.**

**Current Text:** Amended: 7/6/2015 [pdf](#) [html](#)

**Summary:** Would require the State Water Resources Control Board to establish a program to provide low-interest loans and grants to local agencies for low-interest loans and grants to eligible applicants for specified purposes relating to drinking water and wastewater treatment. This bill would create the Water and Wastewater Loan and Grant Fund and provide that the moneys in this fund are available, upon appropriation by the Legislature, to the board for expenditure for the program. This bill would transfer to the Water and Wastewater Loan and Grant Fund \$10,000,000 from the General Fund. This bill contains other related provisions.

**AB 988** (**Stone, Mark D**) **Outdoor Environmental Education and Recreation Grants Program.**

**Current Text:** Amended: 6/30/2015 [pdf](#) [html](#)

**Summary:** Would require the Department of Parks and Recreation to establish, on or before March 30, 2016, an Outdoor Environmental Education and Recreation Grants Program with the purpose of increasing the ability of underserved and at-risk populations to participate in outdoor recreation and educational experiences by awarding grants to public organizations, nonprofit organizations, or both. The bill would require the director to develop criteria, procedures, and accountability measures as may be necessary to implement the program and to administer the program to ensure that priority is given to underserved populations, as specified.

**AB 1061** (**Gallagher R**) **Sacramento and San Joaquin Drainage District: powers.**

**Current Text:** Amended: 6/1/2015 [pdf](#) [html](#)

**Summary:** Would authorize the Sacramento and San Joaquin Drainage District to sell, lease, or rent, or otherwise dispose of a right of way, easement, or property, as specified, and to take, receive, and apply for purposes of flood control the income, profit, and revenue received from the sale, lease, rental, or other disposal. By adding a new source of revenue to a continuously appropriated fund, this bill would make an appropriation. This bill contains other related provisions and other existing laws.

**AB 1180** (**Garcia, Cristina D**) **Rates and charges for water service: payment transaction fees.**

**Current Text:** Chaptered: 9/9/2016 [pdf](#) [html](#)

**Summary:** Would, until January 1, 2022, authorize a water corporation with more than 10,000 service connections to seek commission approval, through its general rate case application, to operate a pilot program designed to evaluate customer interest in, and utilization of, bill payment options, including, but not limited to, credit card, debit card, and prepaid card bill payment options, and to assess the cost-effectiveness of, and customer interests served by, customer access to those bill payment options. The bill would limit the duration of a pilot program to the duration of the water corporation's rate case cycle.

**AB 1201** (**Salas D**) **Fish and wildlife: Sacramento-San Joaquin Delta: predation by nonnative species.**

**Current Text:** Amended: 8/17/2015 [pdf](#) [html](#)

**Summary:** Would require the Department of Fish and Wildlife, by June 30, 2016, to develop a science-based plan that addresses predation by nonnative species upon species of fish listed pursuant to the California Endangered Species Act that reside all or a portion of their lives in the Sacramento-San Joaquin Delta and that considers predation reduction for all Chinook salmon and other native species not listed pursuant to the act.

**AB 1242** (**Gray D**) **Water quality and storage.**

**Current Text:** Amended: 9/1/2015 [pdf](#) [html](#)

**Summary:** Would require the Department of Water Resources to increase statewide water storage capacity by 25% by January 1, 2025, and 50% by January 1, 2050, as specified. The bill would require the department, on or before January 1, 2017, to identify the current statewide water storage capacity and prepare a strategy and implementation plan to achieve those expansions in statewide water storage capacity, and would require the department to update the strategy and implementation plan on January 1, 2018, and every 2 years thereafter, until January 1, 2050.

**AB 1244** (**Gray D**) **Workers' compensation.**

**Current Text:** Chaptered: 9/30/2016 [pdf](#) [html](#)

**Summary:** Would require the Administrative Director of the Division of Workers' Compensation to promptly suspend any physician, practitioner, or provider from participating in the workers' compensation system if as a physician, practitioner, or provider the individual or entity meets specified criteria, including if that individual has been convicted of any felony or misdemeanor involving fraud or abuse of the Medi-Cal program, Medicare program, or workers' compensation system, if that individual's license, certificate, or approval to provide health care has been surrendered or revoked, or if that individual or entity has been suspended, due to fraud or abuse, from participation in the Medicare or Medicaid programs.

**AB 1362 (Gordon D) San Mateo County Mosquito and Vector Control District: board of trustees: appointment of members.**

**Current Text:** Chaptered: 9/12/2016 [pdf](#) [html](#)

**Summary:** Would authorize a change in the appointment of the board of trustees of the San Mateo County Mosquito and Vector Control District. If a majority of the legislative bodies that include the city councils in, and the Board of Supervisors of, the County of San Mateo adopt resolutions approving the change in board composition and forward a copy of the resolution to the local agency formation commission, the bill would require the commission to adopt procedures for the reorganization of the board of trustees of the San Mateo County Mosquito and Vector Control District.

**AB 1555 (Gomez D) Greenhouse Gas Reduction Fund.**

**Current Text:** Amended: 3/28/2016 [pdf](#) [html](#)

**Summary:** Would appropriate \$800,000,000 from the Greenhouse Gas Reduction Fund for the 2016-17 fiscal year to various state agencies in specified amounts for various purposes including, among other things, low carbon transportation and infrastructure, clean energy communities, wetland and watershed restoration, and carbon sequestration. The bill would state the intent of the Legislature to reserve \$150,000,000 from the fund to fund future legislative priorities.

**AB 1585 (Alejo D) Monterey County Water Resources Agency: Lake Nacimiento and Lake San Antonio.**

**Current Text:** Amended: 5/31/2016 [pdf](#) [html](#)

**Summary:** Current law authorizes the Monterey County Water Resources Agency to award a design-build contract for the combined design and construction of a project to connect Lake San Antonio, located in the County of Monterey, and Lake Nacimiento, located in the County of San Luis Obispo, with an underground tunnel or pipeline for the purpose of maximizing water storage, supply, and groundwater recharge. This bill would appropriate \$10,000,000 from the General Fund to the Department of Water Resources and would require the department to grant the \$10,000,000 to the agency for the purpose of constructing a water conveyance tunnel between Lake Nacimiento and Lake San Antonio and spillway modifications at Lake San Antonio, as specified.

**AB 1586 (Mathis R) California Environmental Quality Act: Temperance Flat Reservoir.**

**Current Text:** Amended: 3/28/2016 [pdf](#) [html](#)

**Summary:** The California Environmental Quality Act establishes a procedure by which a person may seek judicial review of the decision of the lead agency made pursuant to the act. This bill would prohibit the court, in an action or proceeding alleging a violation of the act, from staying or enjoining the construction or operation of the Temperance Flat Reservoir unless the court makes certain findings. This bill contains other related provisions.

**AB 1587 (Mathis R) Groundwater.**

**Current Text:** Amended: 4/14/2016 [pdf](#) [html](#)

**Summary:** Would, in implementing the competitive grants for projects that develop and implement groundwater planning requirements, require special consideration be given to those projects that would create groundwater recharge basins in areas of fallow farmland. This bill would appropriate \$50,000,000 from the proceeds of the bond act for the purpose of that competitive grant program.

**AB 1588 (Mathis R) Water and Wastewater Loan and Grant Program.**

**Current Text:** Vetoed: 9/22/2016 [pdf](#) [html](#)

**Summary:** Would, to the extent funding is made available, authorize the State Water Resources Control Board to establish a program to provide funding to counties and qualified nonprofit organizations to award low-interest loans and grants to eligible applicants for specified purposes relating to drinking water and wastewater treatment. This bill would authorize a county or qualified nonprofit organization to apply to the board for a grant to award loans or grants, or both, to residents of the county, as prescribed.

**AB 1649 (Salas D) State water policy: priority: surface water storage projects and joint powers authorities.**

**Current Text:** Amended: 5/27/2016 [pdf](#) [html](#)

**Summary:** Would require the Department of Water Resources to develop a state water policy that gives priority to the formation of joint powers authorities that are formed to address critical surface water storage needs and to funding of the joint powers authorities' surface water projects. The bill

would make findings and declarations of the Legislature, including, but not limited to, that, of the water storage projects available, the Temperance Flat Dam and Sites Reservoir will meet statewide goals and provide specified public benefits to the greatest extent.

**AB 1683 (Eggman D) Alternative energy financing.**

**Current Text:** Amended: 5/16/2016 [pdf](#) [html](#)

**Summary:** The California Alternative Energy and Advanced Transportation Financing Authority Act authorizes, until January 1, 2021, the California Alternative Energy and Advanced Transportation Financing Authority to provide financial assistance in the form of a sales and use tax exclusion for projects, including those that promote California-based manufacturing, California-based jobs, advanced manufacturing, the reduction of greenhouse gases, or the reduction in air and water pollution or energy consumption. The act prohibits the sales and use tax exclusions for these projects from exceeding \$100,000,000 for each calendar year. This bill would specify that if less than \$100,000,000 is granted in a calendar year, the unallocated amount may roll over to the following calendar year.

**AB 1694 (Lackey R) State Water Resources Control Board: grant program for school drinking water.**

**Current Text:** Amended: 3/15/2016 [pdf](#) [html](#)

**Summary:** Would require the State Water Resources Control Board to establish a grant program to award grants to public elementary and secondary schools to improve access to, and the quality of, drinking water. The bill would specify various types of projects for which these grants could be awarded. The bill would require the state board to give priority to applicant public elementary and secondary schools that serve a disadvantaged community, as defined.

**AB 1704 (Dodd D) Water rights: small irrigation use: lake or streambed alteration agreements.**

**Current Text:** Amended: 6/20/2016 [pdf](#) [html](#)

**Summary:** The Water Rights Permitting Reform Act of 1988 provides that the State Water Resources Control Board is not required to adopt general conditions for small irrigation use until the board determines that funds are available for that purpose and that a registration for small irrigation use pursuant to the act is not authorized until the board establishes general conditions for small irrigation use to protect instream beneficial uses, as specified. This bill would require the board, on or before January 1, 2018, to adopt general conditions that would permit a registrant to construct a facility that would store water for small irrigation use during times of high streamflow in exchange for the registrant reducing diversions during periods of low streamflow, as specified.

**AB 1713 (Eggman D) Sacramento-San Joaquin Delta: peripheral canal.**

**Current Text:** Introduced: 1/26/2016 [pdf](#) [html](#)

**Summary:** Current law requires various state agencies to administer programs relating to water supply, water quality, and flood management in the Sacramento-San Joaquin Delta. The bill would prohibit the construction of a peripheral canal, as defined, unless expressly authorized by an initiative voted on by the voters of California on or after January 1, 2017, and would require the Legislative Analyst's Office to complete a prescribed economic feasibility analysis prior to a vote authorizing the construction of a peripheral canal.

**AB 1716 (McCarty D) Lower American River Conservancy Program.**

**Current Text:** Chaptered: 9/16/2016 [pdf](#) [html](#)

**Summary:** Would require the Wildlife Conservation Board to implement and administer the Lower American River Conservancy Program to receive and expend moneys for the benefit of the Lower American River and related lands by, among other things, providing grants to local public agencies and nonprofit organizations for projects benefiting the Lower American River. The bill would require the board to establish an advisory committee, as specified. The bill would establish the Lower American River Conservancy Program Fund in the State Treasury and would make moneys in the fund available, upon appropriation by the Legislature, for purposes of the program.

**AB 1738 (McCarty D) Building standards: dark graywater.**

**Current Text:** Amended: 3/28/2016 [pdf](#) [html](#)

**Summary:** Would define "dark graywater" as a specified wastewater that comes from kitchen sinks and dishwashers. This bill would require the Department of Housing and Community Development, at the next triennial building standards cycle, to adopt and submit for approval building standards for the construction, installation, and alteration of dark graywater systems for indoor and outdoor uses. This bill contains other existing laws.

**AB 1749 (Mathis R) California Environmental Quality Act: City of Porterville.**

**Current Text:** Amended: 8/8/2016 [pdf](#) [html](#)

**Summary:** Would require the lead agency, in certifying the environmental impact report and in granting approvals for a certain water treatment project determined by the City of Porterville based on a certain feasibility study, as specified, to comply with specified procedures, including the concurrent preparation of the record of proceedings and the certification of the record of proceedings within 5 days of the filing of a specified notice. This bill contains other related provisions.

- AB 1755** (**Dodd D**) **The Open and Transparent Water Data Act.**  
**Current Text:** Chaptered: 9/23/2016 [pdf](#) [html](#)  
**Summary:** Would enact the Open and Transparent Water Data Act. The act would require the Department of Water Resources, in consultation with the California Water Quality Monitoring Council, the State Water Resources Control Board, and the Department of Fish and Wildlife, in accordance with a specified schedule, to create, operate, and maintain a statewide integrated water data platform that, among other things, would integrate existing water and ecological data information from multiple databases and provide data on completed water transfers and exchanges. This bill contains other existing laws.
- AB 1794** (**Garcia, Cristina D**) **Central Basin Municipal Water District.**  
**Current Text:** Chaptered: 9/21/2016 [pdf](#) [html](#)  
**Summary:** Would require the board of directors of the Central Basin Municipal Water District to be composed of 8 directors until the directors elected at the November 8, 2022, election take office, when the board would be composed of 7 directors, as prescribed. By imposing new duties on the district, this bill would create a state-mandated local program. This bill contains other related provisions and other existing laws.
- AB 1815** (**Alejo D**) **California Global Warming Solutions Act of 2006: disadvantaged communities.**  
**Current Text:** Amended: 5/2/2016 [pdf](#) [html](#)  
**Summary:** Current law requires the California Environmental Protection Agency to identify disadvantaged communities and requires the Department of Finance, in consultation with the state board and any other relevant state agency, to develop, as specified, a 3-year investment plan for the moneys deposited in the Greenhouse Gas Reduction Fund. Current law requires the 3-year investment plan to allocate a minimum of 25% of the available moneys in the fund to projects that provide benefits to disadvantaged communities. This bill would require the agency to establish a comprehensive technical assistance program, upon the appropriation of moneys from the fund, for eligible applicants, as specified, assisting eligible communities, as defined.
- AB 1841** (**Irwin D**) **Cybersecurity strategy incident response standards.**  
**Current Text:** Chaptered: 9/23/2016 [pdf](#) [html](#)  
**Summary:** Would require the Department of Technology, in consultation with the Office of Emergency Services and compliance with the information security program required to be established by the chief of the Office of Information Security, to update the Technology Recovery Plan element of the State Administrative Manual to ensure the inclusion of cybersecurity strategy incident response standards for each state agency to secure its critical infrastructure controls and critical infrastructure information.
- AB 1842** (**Levine D**) **Water: pollution: fines.**  
**Current Text:** Chaptered: 9/14/2016 [pdf](#) [html](#)  
**Summary:** Current law imposes a maximum civil penalty of \$25,000 on a person who discharges various pollutants or other designated materials into the waters of the state. This bill would impose an additional civil penalty of not more than \$10 for each gallon or pound of material discharged. The bill would require that the civil penalty be reduced for every gallon or pound of the illegally discharged material that is recovered and properly disposed of by the responsible party. This bill contains other related provisions and other current laws.
- AB 1866** (**Wilk R**) **High-speed rail bond proceeds: redirection: water projects.**  
**Current Text:** Introduced: 2/10/2016 [pdf](#) [html](#)  
**Summary:** Would provide that no further bonds shall be sold for high-speed rail purposes pursuant to the Safe, Reliable High-Speed Passenger Train Bond Act for the 21st Century, except as specifically provided with respect to an existing appropriation for high-speed rail purposes for early improvement projects in the Phase 1 blended system. The bill, subject to the above exception, would require redirection of the unspent proceeds received from outstanding bonds issued and sold for other high-speed rail purposes prior to the effective date of these provisions, upon appropriation, for use in retiring the debt incurred from the issuance and sale of those outstanding bonds.
- AB 1871** (**Waldron R**) **Coastal resources: development: water supply projects.**  
**Current Text:** Amended: 3/18/2016 [pdf](#) [html](#)  
**Summary:** Current law, the California Coastal Act of 1976, requires any person wishing to perform or undertake any development in the coastal zone, as defined, in addition to obtaining any other permit required by law from any local government or from any state, regional, or local agency, to obtain a coastal development permit from the local government or California Coastal Commission, as specified. This bill would limit the growth-inducing impacts the commission may consider in its review of a coastal development permit for a water supply project.
- AB 1882** (**Williams D**) **Oil and gas: groundwater monitoring.**  
**Current Text:** Introduced: 2/11/2016 [pdf](#) [html](#)  
**Summary:** Would require the Division of Oil, Gas, and Geothermal Resources to provide an opportunity

and the information necessary for the State Water Resources Control Board and the appropriate regional water quality control board to review, comment on, and propose additional requirements for Class II underground injection well projects. The bill would require the state board or the appropriate regional water quality control board to review, comment on, and propose additional requirements it deems necessary for those projects to ensure that the injection of fluids will not affect the quality of water that is, or may reasonably be, used for any beneficial use.

**AB 1925 (Chang R) Desalination: statewide goal.**

**Current Text:** Amended: 4/18/2016 [pdf](#) [html](#)

**Summary:** The Cobey-Porter Saline Water Conversion Law, states the policy of this state that desalination projects developed by or for public water entities be given the same opportunities for state assistance and funding as other water supply and reliability projects, and that desalination be consistent with all applicable environmental protection policies in the state. This bill would require the Department of Water Resources to establish a goal of a specific number of acre-feet of drinking water to be desalinated per year by the year 2025 and of a greater specific number of acre-feet of drinking water to be desalinated per year by the year 2030, as part of a comprehensive water plan that fully evaluates other, specified options.

**AB 1928 (Campos D) Water efficiency: landscape irrigation equipment.**

**Current Text:** Chaptered: 9/13/2016 [pdf](#) [html](#)

**Summary:** Current law requires the State Energy Resources Conservation and Development Commission, in consultation with the Department of Water Resources, to adopt, by January 1, 2010, performance standards and labeling requirements for landscape irrigation equipment and, on or after January 1, 2012, prohibits that equipment from being sold unless it meets the performance standards and labeling requirements. This bill would postpone the date by which the commission is to adopt the performance standards and labeling requirements to January 1, 2019, and would prohibit the sale or the offer for sale of that equipment manufactured on or after the effective date of the performance standards and labeling requirements unless the equipment meets the performance standards and labeling requirements and is certified by the manufacturer as meeting the performance standards.

**AB 1979 (Bigelow R) Renewable feed-in tariff: hydroelectric facilities.**

**Current Text:** Chaptered: 9/26/2016 [pdf](#) [html](#)

**Summary:** Would authorize a conduit hydroelectric facility with an effective capacity of up to 4 megawatts to participate in the renewable feed-in tariff if the facility delivers no more than 3 megawatts to the grid at any time, was operational on January 1, 1990, and complies with specified interconnection and payment requirements.

**AB 1981 (Mayes R) California Environmental Quality Act: environmental impact report.**

**Current Text:** Introduced: 2/16/2016 [pdf](#) [html](#)

**Summary:** The California Environmental Quality Act requires the lead agency to determine whether a project may have a significant effect on the environment based on substantial evidence in light of the whole record. This bill would make nonsubstantive changes to that provision.

**AB 1986 (Wilk R) Water resources: permit to appropriate: application procedure.**

**Current Text:** Amended: 4/14/2016 [pdf](#) [html](#)

**Summary:** Current law allows interested persons to file a written protest with regard to an application to appropriate water and requires the protestant to set forth the objections to the application. Current law declares that no hearing is necessary to issue a permit in connection with an unprotested application, or if the undisputed facts support the issuance of the permit and there is no disputed issue of material fact, unless the State Water Resources Control Board elects to hold a hearing. This bill, if the board has not rendered a final determination on an application for a permit to appropriate water within 20 years from the date the application was filed, would require the board to issue notice and provide an opportunity for protests before rendering a final determination, with specified exceptions.

**AB 1989 (Jones R) Water, energy, and reduction of greenhouse gas emissions.**

**Current Text:** Amended: 3/30/2016 [pdf](#) [html](#)

**Summary:** Would require the State Water Resources Control Board, in coordination with the State Energy Resources Conservation and Development Commission, the Public Utilities Commission, and the Department of Water Resources, to develop and implement a grant and low-interest loan program for water projects that result in the net reduction of water-related greenhouse gas emissions.

**AB 2022 (Gordon D) Advanced purified demonstration water.**

**Current Text:** Chaptered: 9/21/2016 [pdf](#) [html](#)

**Summary:** Would authorize the operator of an advanced water purification facility to cause advanced purified demonstration water to be bottled and distributed as samples for educational purposes and to promote water recycling, as specified. The bill would prohibit the advanced purified demonstration water in each bottle from exceeding 8 ounces and would prohibit that water from being distributed unless the water, among other requirements, meets or exceeds all federal and state drinking water

standards.

- AB 2038** **(Gaines, Beth R) California Environmental Quality Act: environmental impact report: substantial evidence.**  
**Current Text:** Introduced: 2/16/2016 [pdf](#) [html](#)  
**Summary:** The California Environmental Quality Act requires a lead agency to prepare a mitigated negative declaration for a project that may have a significant effect on the environment if revisions in the project would avoid or mitigate that effect and there is no substantial evidence that the project, as revised, would have a significant effect on the environment. This bill would make nonsubstantive changes to those provisions.
- AB 2040** **(Melendez R) Outdoor Water Efficiency Act of 2016: personal income tax credits: outdoor water efficiency.**  
**Current Text:** Amended: 5/16/2016 [pdf](#) [html](#)  
**Summary:** The Personal Income Tax Law allows various credits against the taxes imposed by that law. This bill, for taxable years beginning on or after January 1, 2016, and before January 1, 2019, would allow a credit equal to 25% of the amount paid or incurred by a qualified taxpayer for water-efficiency improvements, as defined, on qualified real property in this state, as specified. The bill would limit the cumulative amount of the credit to \$2,500 for each qualified real property for all taxable years.
- AB 2042** **(Harper R) Water desalination facilities.**  
**Current Text:** Introduced: 2/17/2016 [pdf](#) [html](#)  
**Summary:** Would declare the intent of the Legislature to enact legislation relating to water desalination facilities.
- AB 2043** **(Harper R) Desalination.**  
**Current Text:** Introduced: 2/17/2016 [pdf](#) [html](#)  
**Summary:** Would state that the Legislature recognizes that desalination is an important local and regional sustainable water supply and reliability option.
- AB 2076** **(Garcia, Cristina D) Water and energy use efficiency: certification: breweries.**  
**Current Text:** Amended: 4/5/2016 [pdf](#) [html](#)  
**Summary:** Would require the Department of Water Resources, in consultation with the California brewing industry, to develop water and energy use efficiency certification guidelines for the production of beer that include, among other things, uniform standards for the industry's use of efficiency certification seals and would require the Department of Alcoholic Beverage Control to consult in label design and approval for the use of a seal on a beer bottle.
- AB 2099** **(Stone, Mark D) Safe drinking water benefit.**  
**Current Text:** Amended: 6/16/2016 [pdf](#) [html](#)  
**Summary:** Would require the State Department of Social Services to, on or before February 1, 2017, convene a workgroup to develop recommendations for delivering a water benefit to supplement the purchase of drinking water for low-income households with inadequate access to safe drinking water, as specified. The bill would also make relating findings and declarations.
- AB 2112** **(Dahle R) Safe Drinking Water Act.**  
**Current Text:** Introduced: 2/17/2016 [pdf](#) [html](#)  
**Summary:** Current law provides that the State Water Resources Control Board succeeds to and is vested with all of the authority, duties, powers, purposes, functions, responsibilities, and jurisdiction of the State Department of Public Health, its predecessors, and its director for purposes of specified provisions relating to drinking water. This bill would make nonsubstantive changes to the provisions vesting the State Water Resources Control Board with specified authorities, including deleting an obsolete subdivision.
- AB 2124** **(Garcia, Eduardo D) Water: testing and reports.**  
**Current Text:** Amended: 6/23/2016 [pdf](#) [html](#)  
**Summary:** The California Safe Drinking Water Act requires a person operating a public water system to obtain and provide an analysis of the water to the state board, as provided. Under the act, a person who knowingly makes a false statement or representation in a report submitted, maintained, or used for purposes of compliance with the act may be subject to a misdemeanor. This bill would require the person to include in the analysis samples from schools, day care facilities, and health care facilities, to the extent those locations are within the public water system. The bill would require the person to report to the state board other information regarding the samples taken at those sites.
- AB 2139** **(Williams D) Ocean Protection Council: ocean acidification and hypoxia.**  
**Current Text:** Chaptered: 9/14/2016 [pdf](#) [html](#)  
**Summary:** Current law establishes the Ocean Protection Council in state government and prescribes the membership, functions, and duties of the council with regard to the protection and conservation of



ocean and coastal resources. This bill would, subject to the availability of funding, authorize the council to develop an ocean acidification and hypoxia science task force to ensure that council decisionmaking is supported by the best available science, and require the council to take specified actions to address ocean acidification and hypoxia, as prescribed, and, beginning January 1, 2018, and annually thereafter, at its first meeting of the year, adopt recommendations for further actions that may be taken to address ocean acidification and hypoxia.

**AB 2168 (Williams D) Public Utilities Commission Audit Compliance Act of 2016.**

**Current Text:** Chaptered: 9/29/2016 [pdf](#) [html](#)

**Summary:** The Public Utilities Act requires the commission to inspect and audit the books and records of electrical corporations, gas corporations, heat corporations, telegraph corporations, telephone corporations, and water corporations for regulatory and tax purposes. An inspection and audit is required to be done at least every 3 years if the utility has over 1,000 customers and at least every 5 years if the utility has 1,000 or fewer customers. This bill, which would be known as the Public Utilities Commission Audit Compliance Act of 2016, would delete the requirement that the reports of the inspections and audits and other pertinent information be furnished to the State Board of Equalization for use in the assessment of the public utilities and instead would require the commission to post reports of the inspections and audits and other pertinent information on its Internet Web site.

**AB 2198 (Brough R) Coastal development permits: desalinization facilities.**

**Current Text:** Introduced: 2/18/2016 [pdf](#) [html](#)

**Summary:** The California Coastal Act of 1976 requires any person wishing to perform or undertake any development in the coastal zone, as defined, to obtain a coastal development permit, except as specified, from the California Coastal Commission or from a local government. This bill would require an application for a coastal development permit for a desalinization project, as described, to be given priority for review, and would require the issuing agency to expedite the processing of any such permit application.

**AB 2241 (Dahle R) State policy for water quality control.**

**Current Text:** Introduced: 2/18/2016 [pdf](#) [html](#)

**Summary:** Under current law, the Porter-Cologne Water Quality Control Act, the state policy for water quality control is required to consist of water quality principles and guidelines for long-range resource planning, water quality objectives, and other principles and guidelines deemed essential by the State Water Resources Control Board for water quality control. This bill would make technical, nonsubstantive changes to that provision.

**AB 2271 (Quirk D) Electricity: research programs: peer review.**

**Current Text:** Amended: 8/2/2016 [pdf](#) [html](#)

**Summary:** Would require the Public Utilities Commission to establish a procedure for an independent peer review of certain research programs proposed by an electrical corporation for approval by the commission. The bill would require the independent peer review of a proposed research program to be conducted upon the commission's receipt of the proposed program. The bill would require the commission to make available to the public on its Internet Web site the results of the review upon approval of the program.

**AB 2304 (Levine D) California Water Market Clearinghouse.**

**Current Text:** Amended: 5/11/2016 [pdf](#) [html](#)

**Summary:** Would require the clearinghouse, on or before December 31, 2018, to create a centralized water market platform on its Internet Web site that provides ready access to information that has been provided about water available for transfer or exchange and information about the process for transferring or exchanging water. The bill would require the Secretary of the Natural Resources Agency to convene a Water Market Clearinghouse Task Force, composed as prescribed, and would require the task force to make recommendations to the clearinghouse, as specified.

**AB 2335 (Gaines, Beth R) Suction dredge mining: permits: report.**

**Current Text:** Amended: 3/17/2016 [pdf](#) [html](#)

**Summary:** Current law authorizes the State Water Resources Control Board or a California regional water quality control board to adopt waste discharge requirements or a waiver of waste discharge requirements that address certain water quality impacts, specify conditions or areas where the discharge of waste or other adverse impacts on beneficial uses of the waters of the state from the use of vacuum or suction dredge equipment is prohibited, or prohibit particular use of, or methods of using, vacuum or suction dredge equipment. This bill would require the state board and the department to report to the Legislature, on or before June 1, 2017, on the status of the suction dredge permitting program.

**AB 2357 (Dahle R) Water rights: monitoring and reporting.**

**Current Text:** Amended: 4/5/2016 [pdf](#) [html](#)

**Summary:** Would restrict the State Water Resources Control Board's authorization to adopt regulations requiring measurement and reporting of water diversion and use by persons authorized to

appropriate water under a registration or certification to uses that are year-round.

**AB 2373 (Gray D) Merced Irrigation District.**

**Current Text:** Amended: 5/9/2016 [pdf](#) [html](#)

**Summary:** Would appropriate \$45,000 from the General Fund to the Merced Irrigation District for implementing on-farm irrigation system and water use efficiency improvements for small communal farms in the County of Merced. The bill would require, on or before April 30, 2018, the Merced Irrigation District to report to the Legislature how the appropriated funds were spent, how the funds resulted in improvement to irrigation efficiency, and how the funds reduced energy, fuel, and water usage.

**AB 2438 (Waldron R) California Environmental Quality Act: exemption: recycled water pipelines.**

**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)

**Summary:** Would, until January 1, 2020, additionally exempt from CEQA a project for the construction and installation of a new pipeline or the maintenance, repair, restoration, reconditioning, relocation, replacement, removal, or demolition of an existing pipeline, not exceeding 8 miles in length, for the distribution of recycled water within a public street, highway, or right-of-way and would require the lead agency to undertake specified activities, including the filing of a notice of exemption for the project with the Office of Planning and Research and the office of the county clerk of each county in which the project is located.

**AB 2444 (Garcia, Eduardo D) California Parks, Water, Climate, and Coastal Protection and Outdoor Access For All Act of 2018.**

**Current Text:** Amended: 8/19/2016 [pdf](#) [html](#)

**Summary:** Under current law, programs have been established pursuant to bond acts for, among other things, the development and enhancement of state and local parks and recreational facilities. This bill would enact the California Parks, Water, Climate, and Coastal Protection and Outdoor Access For All Act of 2018, which, if approved by the voters, would authorize the issuance of bonds in an amount of \$3,497,500,000 pursuant to the State General Obligation Bond Law to finance a parks, water, climate, and coastal protection and outdoor access for all program. This bill contains other related provisions.

**AB 2446 (Gordon D) State Water Resources Control Board: judicial review.**

**Current Text:** Chaptered: 9/23/2016 [pdf](#) [html](#)

**Summary:** The Porter-Cologne Water Quality Control Act, within 30 days of any action or failure to act by a California regional water quality control board under specified law, authorizes an aggrieved person to petition the State Water Resources Control Board to review that action or failure to act. Current law authorizes the state board, in the case of such a review, upon notice and hearing, if a hearing is requested, to stay in whole or in part the effect of the decision and order of a regional board or of the state board. This bill would expand that provision to authorize the state board to issue a stay in the case of review by the state board of a decision or order issued under authority delegated to an officer or employee of the state board where the state board by regulation has authorized a petition for reconsideration by the state board.

**AB 2470 (Gonzalez D) Municipal water districts: water service: Indian tribes.**

**Current Text:** Chaptered: 9/12/2016 [pdf](#) [html](#)

**Summary:** Current law authorizes a district to sell water under its control, without preference, to cities, other public corporations and agencies, and persons, within the district for use within the district. Current law authorizes a district to sell or otherwise dispose of water above that required by consumers within the district to any persons, public corporations or agencies, or other consumers. This bill, upon the request of an Indian tribe and the satisfaction of certain conditions, would require a district to provide service of water at substantially the same terms applicable to the customers of the district to an Indian tribe's lands that are not within a district, as prescribed, if the Indian tribe's lands meet certain requirements and the Indian tribe satisfies prescribed conditions.

**AB 2480 (Bloom D) Source watersheds: financing.**

**Current Text:** Chaptered: 9/27/2016 [pdf](#) [html](#)

**Summary:** Would declare it to be state policy that source watersheds are recognized and defined as integral components of California's water infrastructure. The bill would state the particular importance to maintaining the reliability, quantity, timing, and quality of California's environmental, drinking, and agricultural water supply as climate change advances of source watersheds that supply the majority of the state's drinking and irrigated agricultural water.

**AB 2515 (Weber D) Water Conservation in Landscaping Act: model water-efficient landscaping ordinance.**

**Current Text:** Chaptered: 9/24/2016 [pdf](#) [html](#)

**Summary:** Would require the Department of Water Resources, on or before January 1, 2020, and every three years thereafter, to either update the model water-efficient landscaping ordinance or make a finding that an update to the model water-efficient landscaping ordinance at that time is not a useful or effective means to improve either the efficiency of landscape water use or the administration of the ordinance.

- AB 2525** (Holden D) **Water-efficient landscaping.**  
**Current Text:** Amended: 4/18/2016 [pdf](#) [html](#)  
**Summary:** Would require the Department of Water Resources, upon identification of a funding source, to create the California Water Efficient Landscaping Program for the purpose of encouraging local agencies and water purveyors to use economic incentives that promote the efficient use of water, promote the benefits of consistent landscape ordinances, and support and enhance water inefficient grass replacement. This bill would create the Water Efficient Landscaping Fund and provide that moneys in the fund are available, upon appropriation by the Legislature, to the department for certain purposes.
- AB 2534** (Nazarian D) **Santa Monica Mountains Conservancy: working group: Los Angeles River Greenway.**  
**Current Text:** Amended: 6/30/2016 [pdf](#) [html](#)  
**Summary:** Would require the Santa Monica Mountains Conservancy to establish the Los Angeles River San Fernando Valley Regional Access and Economic Sustainability Working Group to evaluate and make recommendations for conservancy action pertaining to public access and business integration needs, opportunities, and constraints in areas along and in the vicinity of the Los Angeles River in the San Fernando Valley, as prescribed.
- AB 2541** (Dahle R) **Public utilities.**  
**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)  
**Summary:** Current law authorizes the Public Utilities Commission to establish reasonable rules, specifications, and standards to secure the accuracy of all meters and appliances for measurements and requires a public utility that estimates meter readings to so indicate on its billings and to correct any incorrect estimate by the next billing period, except as specified. This bill would make nonsubstantive changes to the above-described provisions.
- AB 2543** (Gordon D) **State buildings: efficiency and conservation.**  
**Current Text:** Amended: 6/20/2016 [pdf](#) [html](#)  
**Summary:** Would require the State Energy Resources Conservation and Development Commission, in consultation with the Department of General Services, to develop a plan to exploit cost-effective energy efficiency and water conservation measures in state facilities. This bill would require the department, in consultation with the commission, to submit recommendations on energy efficiency and water conservation goals to the Governor and the Legislature. This bill would require the department, in consultation with the commission, to make these recommendations no later than January 1, 2018.
- AB 2550** (Patterson R) **State Water Resources Control Board: instream flow curtailments: compensation.**  
**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)  
**Summary:** Would require the State Water Resources Control Board to financially compensate a person who is unable to divert the full amount of water authorized under his or her permit or license due to a board-issued instream flow curtailment, and a person who is required to file a statement of diversion and use and is unable to divert the same amount of water in the succeeding year due to a board-issued instream flow curtailment. The bill would only apply this requirement to instream flow curtailments issued by the board on and after January 1, 2017. This bill contains other related provisions.
- AB 2551** (Gallagher R) **Contract procurement: surface storage projects.**  
**Current Text:** Chaptered: 9/28/2016 [pdf](#) [html](#)  
**Summary:** Would allow a local agency to use the construction manager at-risk, design-build, or design-build-operate method of delivery on a surface storage project, as described. The bill would require these contracts to be awarded on a best value basis or to the lowest responsible bidder, and establish a procurement process for these contracts. The bill would require the bidder to certify specified information under penalty of perjury. By expanding the crime of perjury, the bill would impose a state-mandated local program.
- AB 2570** (Quirk D) **Telecommunications: universal service: reimbursement claims.**  
**Current Text:** Chaptered: 9/24/2016 [pdf](#) [html](#)  
**Summary:** The Moore Universal Telephone Service Act establishes the Universal Lifeline Telephone Service program in order to provide low-income households with access to affordable basic residential telephone service. The act requires that a lifeline telephone service subscriber be provided with one lifeline subscription, as defined by the Public Utilities Commission, at his or her principal place of residence. This bill would require the commission to adopt a portability freeze rule for the lifeline program by January 15, 2017, and would require the commission to consider including certain features as part of the rule.
- AB 2578** (Bigelow R) **California Environmental Quality Act: exemptions: water service.**  
**Current Text:** Amended: 3/18/2016 [pdf](#) [html](#)  
**Summary:** Would exempt from the requirements of CEQA a project within a public street or highway or

other public right-of-way for the maintenance, repair, restoration, reconditioning, relocation, replacement, removal, or demolition of an existing water distribution pipeline to address water leakage. Because a local agency would be required to determine the applicability of this exemption, this bill would impose a state-mandated local program.

**AB 2583 (Frazier D) Sacramento-San Joaquin Delta Reform Act of 2009.**

**Current Text:** Amended: 3/17/2016 [pdf](#) [html](#)

**Summary:** Would add a definition of the California Water Fix to the Sacramento-San Joaquin Delta Reform Act of 2009. This bill would eliminate certain provisions applicable to the BDCP and would revise other provisions to instead refer to a new Delta water conveyance project for the purpose of exporting water. This bill would require new Delta water conveyance infrastructure to be considered as interdependent parts of a system and to be operated in a way that maximizes benefits for each of the coequal goals. This bill contains other related provisions and other existing laws.

**AB 2594 (Gordon D) Stormwater resources: use of captured water.**

**Current Text:** Chaptered: 9/23/2016 [pdf](#) [html](#)

**Summary:** Current law, the Stormwater Resource Planning Act, authorizes one or more public agencies to develop a stormwater resource plan that meets specified standards to address the capture of stormwater, as defined, and dry weather runoff, as defined. This bill would authorize a public entity that captures stormwater from urban areas, in accordance with a stormwater resource plan, before the water reaches a natural channel to use the captured water under certain circumstances.

**AB 2601 (Eggman D) Building standards: residential property: graywater.**

**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)

**Summary:** Would require the Department of Housing and Community Development, on or after January 1, 2017, to adopt and submit to the California Building Standards Commission for approval amendments to the building standards adopted pursuant to specified provisions that require that all new single-family and duplex residential dwelling units include specified components to allow the separate discharge of graywater for direct irrigation and that all new single-family residential dwelling units include a segregated building drain for lavatories, showers, and bathtubs to allow for future installation of a distributed graywater system.

**AB 2603 (Nazarian D) Public Utilities Commission: Passenger Charter-party Carriers' Act: complaint registration and resolution mechanism.**

**Current Text:** Amended: 4/11/2016 [pdf](#) [html](#)

**Summary:** Charter-party carriers of passengers, including transportation network companies, are subject to the jurisdiction and control of the Public Utilities Commission under the Passenger Charter-party Carriers' Act. This bill would require the commission to establish a telephone communications service, with a designated telephone number, that would be available to members of the public to communicate to the commission any concerns, or register complaints, regarding service provided by charter-party carriers of passengers, including transportation network companies.

**AB 2617 (Mayes R) Water efficiency measures.**

**Current Text:** Amended: 5/27/2016 [pdf](#) [html](#)

**Summary:** Would require the Department of Water Resources to develop and solicit comments on a proposed report, in consultation with subject matter experts at the University of California, the California State University, the State Water Resources Control Board, the State Energy Resources Conservation and Development Commission, and local water districts, by December 1, 2017, and, by July 1, 2018, to issue a final report that contains, among other things, recommendations to public entities to help them achieve water-resilient communities and prioritize cost-effective water efficiency measures with low adverse environmental impacts based on local conditions.

**AB 2639 (Garcia, Eduardo D) Water quality: Porter-Cologne Water Quality Control Act.**

**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)

**Summary:** Under current law, the State Water Resources Control Board and the California regional water quality control boards prescribe waste discharge requirements in accordance with the federal Clean Water Act and the Porter-Cologne Water Quality Control Act (state act). The state act defines various terms for its purposes. This bill would make nonsubstantive changes to these definitions.

**AB 2657 (Chu D) Water Quality, Supply, and Infrastructure Improvement Act of 2014.**

**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)

**Summary:** The Water Quality, Supply, and Infrastructure Improvement Act of 2014 provides that the sum of \$810,000,000 is to be available, upon appropriation by the Legislature, for expenditures on, and competitive grants and loans to, projects that are included in and implemented in an adopted integrated regional water management plan and respond to climate change and contribute to regional water security. This bill would make a nonsubstantive change in these provisions.

**AB 2722 (Burke D) Transformative Climate Communities Program.**

**Current Text:** Chaptered: 9/14/2016 [pdf](#) [html](#)

**Summary:** Would create the Transformative Climate Communities Program, to be administered by the Strategic Growth Council. The bill would require the council to award competitive grants to specified eligible entities for the development and implementation of neighborhood-level transformative climate community plans that include greenhouse gas emissions reduction projects that provide local economic, environmental, and health benefits to disadvantaged communities, as defined. The bill would require the council to develop guidelines and selection criteria for the implementation of the program.

**AB 2844 (Bloom D) Public contracts: discrimination.**

**Current Text:** Chaptered: 9/24/2016 [pdf](#) [html](#)

**Summary:** Would, with certain exceptions, require a person that submits a bid or proposal to, or otherwise proposes to enter into or renew a contract with, a state agency with respect to any contract in the amount of \$100,000 or more to certify, under penalty of perjury, at the time the bid or proposal is submitted or the contract is renewed that they are in compliance with the Unruh Civil Rights Act and the California Fair Employment and Housing Act, and that any policy that they have adopted against any sovereign nation or peoples recognized by the government of the United States, including, but not limited to, the nation and people of Israel, is not used to discriminate in violation of the Unruh Civil Rights Act or the California Fair Employment and Housing Act.

**AB 2874 (Gaines, Beth R) Groundwater sustainability agencies: fees.**

**Current Text:** Chaptered: 8/17/2016 [pdf](#) [html](#)

**Summary:** The Sustainable Groundwater Management Act authorizes a groundwater sustainability agency to impose fees, including, but not limited to, permit fees and fees on groundwater extraction or other regulated activity, to fund the costs of a groundwater sustainability program. This bill would require a groundwater sustainability agency, before imposing or increasing a fee pursuant to this authority relating to a groundwater basin that includes a water corporation regulated by the Public Utilities Commission, to notify the Public Utilities Commission. This bill contains other existing laws.

**AB 2909 (Levine D) Water: transfer or exchange: expedited review.**

**Current Text:** Amended: 8/1/2016 [pdf](#) [html](#)

**Summary:** The State Water Resources Control Board administers a water rights program pursuant to which the board grants permits and licenses to appropriate water. Current law provides procedures for a permittee or licensee to temporarily change the point of diversion, place of use, or purpose of use due to a transfer or exchange of water or water rights, as specified. These temporary transfers are defined as transfers of one year or less. This bill would require the board to develop and implement an expedited 30-day review process for approval of petitions under those provisions to temporarily change the point of diversion, place of use, or purpose of use due to a transfer or exchange of water or water rights if the transfer is for a reoccurring water transfer, as defined, or an environmentally beneficial transfer, as defined.

**ACA 8 (Bloom D) Local government financing: water facilities and infrastructure: voter approval.**

**Current Text:** Introduced: 2/18/2016 [pdf](#) [html](#)

**Summary:** Would create an additional exception to the 1% limit for a rate imposed by a city, county, city and county, or special district to service bonded indebtedness incurred to fund the construction, reconstruction, rehabilitation, or replacement of wastewater treatment facilities and related infrastructure, potable water producing facilities and related infrastructure, nonpotable water producing facilities and related infrastructure, and stormwater treatment facilities and related infrastructure, that is approved by 55% of the voters of the city, county, city and county, or special district, as applicable, if the proposition meets specified requirements, and would authorize a city, county, city and county, or special district to levy a 55% vote ad valorem tax. This bill contains other related provisions and other existing laws.

**SB 7 (Wolk D) Housing: water meters: multiunit structures.**

**Current Text:** Chaptered: 9/25/2016 [pdf](#) [html](#)

**Summary:** Would express the intent of the Legislature to encourage the conservation of water in multifamily residential rental buildings through means either within the landlord's or the tenant's control, and to establish that the practices involving the submetering of dwelling units for water service are just and reasonable, and include appropriate safeguards for both tenants and landlords. This bill contains other related provisions and other existing laws.

**SB 20 (Pavley D) Low Carbon Fuels Council.**

**Current Text:** Amended: 8/15/2016 [pdf](#) [html](#)

**Summary:** Would create the Low Carbon Fuels Council, as specified, which, among other things, would coordinate state agencies' activities that are related to the acceleration and development of the in-state production of low carbon fuels and very low carbon transportation fuels.

**SB 37 (Vidak R) Kings River East Groundwater Sustainability Agency Act.**

**Current Text:** Chaptered: 9/16/2016 [pdf](#) [html](#)

**Summary:** Would create the Kings River East Groundwater Sustainability Agency and would establish the agency's initial boundaries. The bill would authorize the boundaries of the agency to be adjusted, as specified. The bill would require the agency to elect to be a groundwater sustainability agency under the Sustainable Groundwater Management Act for that portion of the Kings Subbasin that lies within the boundaries of the agency and would require the agency to develop and implement a groundwater sustainability plan to achieve sustainable groundwater management within the territory of the agency.

**SB 122**      **(Jackson D) California Environmental Quality Act: record of proceedings.**

**Current Text:** Chaptered: 9/22/2016 [pdf](#) [html](#)

**Summary:** CEQA establishes a procedure for the preparation and certification of the record of proceedings upon the filing of an action or proceeding challenging a lead agency's action on the grounds of noncompliance with CEQA. This bill would require the lead agency, at the request of a project applicant and consent of the lead agency, to prepare a record of proceedings concurrently with the preparation of a negative declaration, mitigated negative declaration, EIR, or other environmental document for projects. This bill contains other related provisions.

**SB 163**      **(Hertzberg D) Bail: pretrial release.**

**Current Text:** Amended: 8/18/2016 [pdf](#) [html](#)

**Summary:** Current law provides for the procedure of approving and accepting bail, and issuing an order for the appearance and release of an arrested person. This bill would require, notwithstanding any other law, and upon the appearance before a competent court or magistrate of a person charged with a criminal offense, the court or magistrate to hold a specified hearing and take one of several actions, including, among others, releasing the person on his or her own recognizance or upon execution of an unsecured appearance bond, unless the court or magistrate determines that release pursuant to that provision will not reasonably assure the appearance of the person as required or will endanger the safety of any other person or the community.

**SB 248**      **(Pavley D) Oil and gas.**

**Current Text:** Amended: 8/17/2015 [pdf](#) [html](#)

**Summary:** Current law requires the State Oil and Gas Supervisor, on or before the first day of October of each year, to make public a report on specified information. This bill would require the supervisor to establish an inspection program for all activities regulated pursuant to these provisions and would require the total number of inspections and results of the inspections to be included in the above-referenced report. The bill would require the division's regulations, field rules, notices, manuals, and other requirements to be reviewed and revised, as needed, through a public process at least once every 10 years.

**SB 471**      **(Pavley D) Water, energy, and reduction of greenhouse gas emissions: planning.**

**Current Text:** Amended: 8/17/2015 [pdf](#) [html](#)

**Summary:** Would include reduction of greenhouse gas emissions associated with water treatment among the investments that are eligible for funding from the Greenhouse Gas Reduction Fund. The bill would also make legislative findings and declarations, and a statement of legislative intent, with regard to the nexus between water and energy and water and reduction of greenhouse gas emissions. This bill contains other related provisions.

**SB 512**      **(Hill D) Public Utilities Commission.**

**Current Text:** Chaptered: 9/29/2016 [pdf](#) [html](#)

**Summary:** The California Constitution establishes the Public Utilities Commission, with jurisdiction over all public utilities. The Public Utilities Act provides that the office of the commission shall be in the City and County of San Francisco, that the office always be open, except on legal holidays and nonjudicial days, and that the commission hold its sessions at least once in each calendar month in the City and County of San Francisco. This bill would require that the commission hold its sessions at least once in each calendar month, without specifying the location.

**SB 551**      **(Wolk D) State water policy: water and energy efficiency.**

**Current Text:** Amended: 7/6/2015 [pdf](#) [html](#)

**Summary:** Would declare the policy of the state that water use and water treatment shall operate in a manner that is as energy efficient as is feasible and energy use and generation shall operate in a manner that is as water efficient as is feasible. This bill would require all relevant state agencies to consider this state policy when revising, adopting, or establishing policies, regulations, and grant criteria when pertinent to these uses of water and energy. This bill contains other existing laws.

**SB 552**      **(Wolk D) Public water systems: disadvantaged communities: consolidation or extension of service: administrative and managerial services.**

**Current Text:** Chaptered: 9/28/2016 [pdf](#) [html](#)

**Summary:** Would authorize the State Water Resources Control Board to order consolidation where a public water system or a state small water system is serving, rather than within, a disadvantaged community, and would limit the authority of the state board to order consolidation or extension of

service to provide that authority only with regard to a disadvantaged community. This bill would make a community disadvantaged for these purposes if the community is in a mobilehome park even if it is not in an unincorporated area or served by a mutual water company. This bill contains other related provisions and other existing laws.

**SB 554**     **(Wolk D) Delta levee maintenance.**

**Current Text:** Vetoed: 9/30/2016 [pdf](#) [html](#)

**Summary:** Current law establishes a delta levee maintenance program pursuant to which a local agency may request reimbursement for costs incurred in connection with the maintenance or improvement of project or nonproject levees in the Sacramento-San Joaquin Delta. This bill would extend the authorization to reimburse eligible local agencies under the program and advance funds until July 1, 2020. This bill contains other related provisions and other existing laws.

**SB 814**     **(Hill D) Drought: excessive water use: urban retail water suppliers.**

**Current Text:** Chaptered: 8/30/2016 [pdf](#) [html](#)

**Summary:** Would declare that during prescribed periods excessive water use by a residential customer in a single-family residence or by a customer in a multiunit housing complex, as specified, is prohibited. This bill, during prescribed periods, would require each urban retail water supplier to establish a method to identify and discourage excessive water use. This bill would authorize as a method to identify and discourage excessive water use the establishment of a rate structure that includes block tiers, water budgets, or rate surcharges over and above base rates for excessive water use by residential customers.

**SB 919**     **(Hertzberg D) Water supply: creation or augmentation of local water supplies.**

**Current Text:** Vetoed: 9/29/2016 [pdf](#) [html](#)

**Summary:** Would require the Public Utilities Commission, before January 1, 2018, in consultation with the Independent System Operator, to address the oversupply of renewable energy resources through a tariff or other economic incentive for electricity purchased by customers operating "facilities that create or augment local water supplies," as defined, to reduce the cost of electricity to those facilities. This bill contains other related provisions and other existing laws.

**SB 930**     **(Gaines R) Bear Lake Reservoir: recreational use.**

**Current Text:** Chaptered: 8/19/2016 [pdf](#) [html](#)

**Summary:** Current law requires the Lake Alpine Water Company, on or before January 1, 2016, to file with the Legislature a report on the recreational uses at Bear Lake Reservoir and the water treatment program for that reservoir. Current law provides that, upon a finding of noncompliance, the Lake Alpine Water Company could be subject to suspension, amendment, or revocation of any permit issued pursuant to specified provisions, and that failure to comply with these provisions would be deemed a violation subject to specified fines, penalties, or other enforcement actions. Current law repeals these provisions on January 1, 2017. This bill would extend the operation of all these provisions until January 1, 2022, and would require the Lake Alpine Water Company to file the report on or before December 31, 2017, and biennially thereafter until January 1, 2022.

**SB 953**     **(Lara D) Central Basin Municipal Water District.**

**Current Text:** Chaptered: 9/21/2016 [pdf](#) [html](#)

**Summary:** Would prohibit the Central Basin Municipal Water District from using sole source contracts, except as prescribed. This bill would require the district to rebid a contract if the district significantly changes the scope of work of the contract. This bill would require the general manager of the district to submit a quarterly report to the district's board detailing all of the district's contracts, contract amendments, and contract and amendment dollar amounts. By imposing new duties on a municipal water district, this bill would impose a state-mandated local program. This bill contains other related provisions and other existing laws.

**SB 974**     **(Committee on Governance and Finance) Local government: omnibus.**

**Current Text:** Chaptered: 9/14/2016 [pdf](#) [html](#)

**Summary:** The Professional Land Surveyors' Act, among other things, requires a county recorder to store and index records of survey, and to maintain both original maps and a printed set for public reference. That act specifically requires the county recorder to securely fasten a filed record of survey into a suitable book. This bill would also authorize a county recorder to store records of survey in any other manner that will ensure the maps are kept together. This bill contains other related provisions and other current laws.

**SB 995**     **(Pavley D) Well standards.**

**Current Text:** Amended: 8/1/2016 [pdf](#) [html](#)

**Summary:** Would, on or before January 1, 2019, require the Department of Water Resources to update well standards for water wells, monitoring wells, and cathodic protection wells based on existing knowledge and to submit these standards to the State Water Resources Control Board. This bill contains other related provisions and other existing laws.

- SB 1000** (**Leyva D**) **Land use: general plans: safety and environmental justice.**  
**Current Text:** Chaptered: 9/24/2016 [pdf](#) [html](#)  
**Summary:** The Planning and Zoning Law requires, after the initial revision of the safety element to address flooding, fires, and climate adaptation and resilience strategies, that for each subsequent revision the planning agency review and, if necessary, revise the safety element to identify new information that was not available during the previous revision of the safety element. This bill would instead require a planning agency to review and revise the safety element to identify new information, as described above, only to address flooding and fires.
- SB 1026** (**Nielsen R**) **Department of Fish and Wildlife: lake or streambed alteration agreements.**  
**Current Text:** Introduced: 2/12/2016 [pdf](#) [html](#)  
**Summary:** Current law prohibits an entity from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or from depositing certain material where it may pass into any river, stream, or lake, without first notifying the Department of Fish and Wildlife of that activity, and entering into a lake or streambed alteration agreement if required by the department to protect fish and wildlife resources. This bill would limit the diversions and obstructions governed by these alteration agreement requirements to the diversions and obstructions that alter the bed, channel, or bank of a river, stream, or lake.
- SB 1096** (**Berryhill R**) **Waste discharge requirements.**  
**Current Text:** Introduced: 2/17/2016 [pdf](#) [html](#)  
**Summary:** Current law, the Porter-Cologne Water Quality Control Act, requires each California regional water quality control board, after any necessary hearing, to prescribe waste discharge requirements to implement relevant water quality control plans, and authorizes the State Water Resources Control Board, after any necessary hearing, to prescribe waste discharge requirements, as specified. This bill would make technical, nonsubstantive changes to these provisions.
- SB 1112** (**Cannella R**) **Utilities: water and sewer system corporations: transactions.**  
**Current Text:** Chaptered: 9/25/2016 [pdf](#) [html](#)  
**Summary:** Would provide that if a water or sewer system corporation or an entity merging with or acquiring control of a water or sewer system corporation with less than 2,000 service connections fails to receive the Public Utilities Commission's approval before entering into any of the specified transactions valued at \$5,000,000 or less, the transaction is voidable by the commission until the commission either retroactively approves or conditionally approves the transaction. The bill would authorize the commission to delegate this approval authority to a specified division director. This bill contains other related provisions and other existing laws.
- SB 1114** (**Allen D**) **Commercial fishing: swordfish.**  
**Current Text:** Amended: 5/11/2016 [pdf](#) [html](#)  
**Summary:** Would prohibit the Department of Fish and Wildlife from issuing any drift gill net permit. The bill would require the department to revoke all latent drift gill net permits, as defined, within 12 months of a federal authorization to use deep set buoy gear or similar gear to take swordfish and would require the department to revoke all drift gill net permits if the department has not been notified of any landings under any drift gill net permit during any 2 successive fishing seasons.
- SB 1164** (**Cannella R**) **Sustainable Groundwater Management Act: groundwater sustainability agencies.**  
**Current Text:** Introduced: 2/18/2016 [pdf](#) [html](#)  
**Summary:** The Sustainable Groundwater Management Act authorizes a local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin. This bill would make a nonsubstantive change to those provisions.
- SB 1170** (**Wieckowski D**) **Public contracts: water pollution prevention plans: delegation.**  
**Current Text:** Amended: 8/1/2016 [pdf](#) [html](#)  
**Summary:** Would, except as specified, prohibit a public entity, charter city, or charter county from delegating to a contractor the development of a plan, as defined, used to prevent or reduce water pollution or runoff on a public works contract. The bill would also prohibit a public entity, charter city, or charter county from requiring a contractor on a public works contract that includes compliance with a plan to assume responsibility for the completeness and accuracy of a plan developed by that entity
- SB 1173** (**Hertzberg D**) **Water-conserving plumbing fixtures: CalConserve Water Use Efficiency Revolving Fund.**  
**Current Text:** Amended: 3/30/2016 [pdf](#) [html](#)  
**Summary:** Existing law includes specified requirements to replace plumbing fixtures that are not water conserving, defined as "noncompliant plumbing fixtures," to residential and commercial real property built and available for use on or before January 1, 1994, as specified. Existing law defines "commercial real property," "multifamily residential real property," and "water-conserving plumbing fixture" for purposes of these provisions. This bill would apply these requirements, as specified, to commercial real property regardless of when it was built. This bill contains other related provisions and other existing laws.



**SB 1233 (McGuire D) Joint powers authorities: Water Bill Savings Act.**

**Current Text:** Amended: 8/2/2016 [pdf](#) [html](#)

**Summary:** Would enact the Water Bill Savings Act, which would authorize a joint powers authority to provide funding for a customer of a local agency or its publicly owned utility to acquire, install, or repair a water efficiency improvement on the customer's property served by the local agency or its publicly owned utility. The bill would require the customer to repay the authority through an efficiency charge on the customer's water bill to be established and collected by the local agency or its publicly owned utility on behalf of the authority pursuant to a servicing agreement.

**SB 1248 (Moorlach R) Environmental quality: judicial challenge: identification of contributors.**

**Current Text:** Introduced: 2/18/2016 [pdf](#) [html](#)

**Summary:** Would require a plaintiff or petitioner, in an action brought pursuant to the provisions of CEQA, to disclose specified information regarding the plaintiff or petitioner in the complaint or petition or in a subsequent notice. The bill would require disclosure of the identity of a person or entity that contributes in excess of \$100 dollars, as specified, toward the plaintiff's or petitioner's costs of an action. The bill would provide that a failure to provide this disclosure shall be grounds for dismissal of the action by the court or, if the failure occurs during a postjudgment proceeding, the denial of attorneys' fees for a successful plaintiff or petitioner.

**SB 1262 (Pavley D) Water supply planning.**

**Current Text:** Chaptered: 9/24/2016 [pdf](#) [html](#)

**Summary:** The Sustainable Groundwater Management Act authorizes the State Water Resources Control Board to designate a basin as a probationary basin if the state board makes a certain determination and to develop an interim plan for the probationary basin. This bill would require a city or county that determines a project is subject to the California Environmental Quality Act to identify any water system whose service area includes the project site and any water system adjacent to the project site. This bill would provide that hauled water is not a source of water for the purposes of a water supply assessment, as specified.

**SB 1263 (Wieckowski D) Public water system: permits.**

**Current Text:** Chaptered: 9/29/2016 [pdf](#) [html](#)

**Summary:** Would require a person submitting an application for a permit for a proposed new public water system to first submit a preliminary technical report to the State Water Resources Control Board at least 6 months before initiating construction of any water-related improvement, as defined. Because a misstatement in the report could be a crime under the provision described above, this bill would impose a state-mandated local program by expanding the scope of a crime.

**SB 1264 (Cannella R) Monterey County Water Resources Agency: Salinas River System.**

**Current Text:** Introduced: 2/18/2016 [pdf](#) [html](#)

**Summary:** Would appropriate \$1,000,000 from the General Fund to the Monterey County Water Resources Agency, for use in the Salinas River, to assist in the removal of excess vegetation and trash, increase efficiency of instream flow using sediment and vegetation management strategies, and support the development and implementation of long-term management policies. This bill contains other related provisions.

**SB 1294 (Pavley D) The Community Climate and Drought Resilience Program of 2016.**

**Current Text:** Amended: 4/27/2016 [pdf](#) [html](#)

**Summary:** Would enact the Community Climate and Drought Resilience Program of 2016 and would require CalFire to review the urban forestry program and, if necessary, revise the program to provide funding priority to multibenefit carbon sequestration projects and to establish local or regional targets for urban tree canopy. This bill contains other related provisions and other existing laws.

**SB 1298 (Hertzberg D) Local government: fees and charges.**

**Current Text:** Amended: 8/11/2016 [pdf](#) [html](#)

**Summary:** Articles XIII C and XIII D of the California Constitution generally require that assessments, fees, and charges be submitted to property owners for approval or rejection after the provision of written notice and the holding of a public hearing. Current law, the Proposition 218 Omnibus Implementation Act, prescribes specific procedures and parameters for local jurisdictions to comply with Articles XIII C and XIII D of the California Constitution and defines terms for these purposes. This bill would define the term "sewer" for these purposes.

**SB 1317 (Wolk D) Groundwater extraction permit.**

**Current Text:** Amended: 6/20/2016 [pdf](#) [html](#)

**Summary:** Would prohibit a groundwater extraction facility in a high- or medium-priority basin from being developed without a valid groundwater extraction permit, with certain exceptions. The bill would not require a city or county overlying a medium- or high-priority basin to have a process for the issuance of a groundwater extraction permit for the development of a groundwater extraction facility on or after January 31, 2022, or once the department has evaluated a groundwater sustainability plan

for the basin the city or county overlies and determined the plan to be adequate and likely to achieve the sustainability goal for the basin, whichever comes first.

**SB 1318 (Wolk D) Local government: drinking water infrastructure or services: wastewater infrastructure or services.**

**Current Text:** Amended: 6/1/2016 [pdf](#) [html](#)

**Summary:** The Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 governs the procedures for the formation and change of organization of cities and special districts. This bill would additionally authorize a local agency formation commission to initiate a proposal by resolution of application for the annexation of a disadvantaged unincorporated community, as specified. This bill contains other related provisions and other current laws.

**SB 1328 (Lara D) Water delivery projects: reduction of greenhouse gas emissions: funding.**

**Current Text:** Vetoed: 9/24/2016 [pdf](#) [html](#)

**Summary:** Would authorize the State Water Resources Control Board to expend moneys from the Greenhouse Gas Reduction Fund, upon appropriation by the Legislature, to provide grants to public agencies, nonprofit organizations, public utilities, and mutual water companies to implement stormwater and dry weather runoff collection and treatment, wastewater, water recycling, and drinking water projects that are intended to reduce greenhouse gas emissions by decreasing the demand for fossil fuels needed to pump, transport, and deliver water to serve water consumers, as prescribed. This bill contains other existing laws.

**SB 1340 (Wolk D) Water Conservation in Landscaping Act.**

**Current Text:** Vetoed: 9/24/2016 [pdf](#) [html](#)

**Summary:** The Water Conservation in Landscaping Act, requires the Department of Water Resources to update a specified model water efficient landscape ordinance by regulation and prescribes various requirements for the updated model ordinance. Current law requires each local agency to adopt either the updated model water efficient landscape ordinance or an ordinance that is at least as effective in conserving water as the updated model ordinance. If the local agency does not make a selection, the model ordinance shall apply within the jurisdiction of the local agency. This bill, on or after July 1, 2018, would require a local agency to require a permit for the installation of specified automatic irrigation systems, or the expansion of the same specified automatic irrigation systems to increase the irrigated area by 25% or more, for a landscape project.

**SB 1398 (Leyva D) Public water systems: lead user service lines.**

**Current Text:** Chaptered: 9/27/2016 [pdf](#) [html](#)

**Summary:** Would require a public water system to compile an inventory of known lead user service lines in use in its distribution system and identify areas that may have lead user service lines in use in its distribution system by July 1, 2018. This bill would require a public water system, after completing the inventory, to provide a timeline for replacement of known lead user service lines in the distribution system to the State Water Resources Control Board.

**SB 1415 (Bates R) California Environmental Quality Act: local water projects: scoping meetings.**

**Current Text:** Amended: 4/18/2016 [pdf](#) [html](#)

**Summary:** Would require a lead agency to call at least one scoping meeting to receive public comments for local projects for stormwater or dry weather runoff capture and reuse, water recycling, or wastewater treatment to improve water quality. Because a local lead agency would be required to conduct at least one scoping meeting, this bill would impose a state-mandated local program. This bill contains other related provisions and other existing laws.

**SB 1422 (Glazer D) Public utilities and other service suppliers: collection of local taxes.**

**Current Text:** Chaptered: 8/19/2016 [pdf](#) [html](#)

**Summary:** The Digital Infrastructure and Video Competition Act of 2006 establishes a procedure for the issuance of state franchises for the provision of video service, defined to include cable service and open-video systems, administered by the Public Utilities Commission. This bill would explicitly define the term "other service supplier" for the purpose of those provisions to include, but not be limited to, a holder of a state franchise for the provision of video service.

**SB 1425 (Pavley D) Water-energy nexus registry.**

**Current Text:** Chaptered: 9/24/2016 [pdf](#) [html](#)

**Summary:** The California Global Warming Solutions Act of 2006 designates the State Air Resources Board as the state agency charged with monitoring and regulating sources of emissions of greenhouse gases. This bill would require the agency to oversee the development of a registry for greenhouse gas emissions resulting from the water-energy nexus using the best available data. The bill would authorize the agency to enter into a contract with a qualified nonprofit organization to develop and administer the registry, which would include, among other things, the above-stated actions of the former California Climate Action Registry as those relate to the water-energy nexus.

**SB 1440 (Cannella R) Environmental quality: Water Quality, Supply, and Infrastructure Improvement Act**

of 2014.

**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)

**Summary:** Would require a lead agency, in certifying an environmental impact report and in granting approvals for certain water storage projects funded, in whole or in part, by Proposition 1, to comply with specified procedures. Because a public agency would be required to comply with those new procedures, this bill would impose a state-mandated local program. The bill would authorize the lead agency to concurrently prepare the record of proceedings for the project.

**SB 1456 (Galgiani D) Safe Drinking Water State Revolving Fund Law of 1997: water systems: financing.**

**Current Text:** Chaptered: 9/22/2016 [pdf](#) [html](#)

**Summary:** Current law, for community public water systems and not-for-profit noncommunity public water systems, allows planning and preliminary engineering studies, project design, and construction costs incurred by those public water systems to be funded by loans and other repayable financing. This bill would authorize the above-described costs to be funded by loans or other repayable financing, grants, principal forgiveness, or a combination of grants and loans or other financial assistance, regardless of whether the community water system or not-for-profit noncommunity water system is owned by a public agency or private not-for-profit water company.

**SB 1469 (Stone R) Groundwater sustainability agencies.**

**Current Text:** Introduced: 2/19/2016 [pdf](#) [html](#)

**Summary:** The Sustainable Groundwater Management Act authorizes any local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin, as prescribed. This bill would make a nonsubstantive change to those provisions.

**SB 1472 (Mendoza D) Los Angeles County Metropolitan Transportation Authority.**

**Current Text:** Amended: 6/1/2016 [pdf](#) [html](#)

**Summary:** Current law creates the Los Angeles County Metropolitan Transportation Authority with specified powers and duties relative to transportation planning, programming, and operations in the County of Los Angeles. This bill would expand the board of directors to 22 members by adding 2 members that reside in the County of Los Angeles, one member appointed by the Speaker of the Assembly and one member appointed by the Senate Committee Rules, selected from a list of candidates submitted by the Los Angeles County City Selection Committee, and would prohibit these members from residing in the same city as another member of the authority, as specified.

**Total Measures: 132**

**Total Tracking Forms: 132**



## Agenda Item: 25

**Date:** October 7, 2016

**Subject:** General Manager's Report

**Staff Contact:** Robert S. Roscoe, General Manager

**a. 2017 Benefits Renewal Analysis for Vision, Dental and Life/Disability Insurance Plans**

The District recently concluded the 2017 Benefits Renewal Analysis for vision, dental and life/disability insurance plans. The review was conducted by Katie Huddleston and Lindsey Dupzyk of Edgewood Partners Insurance Center (EPIC), the consultant firm that has conducted prior benefit reviews for the District. As previously reported to the Board, the District will remain in the CalPERS medical program for 2017 after reviewing and comparing plans and rates for the CalPERS and ACWA/JPIA medical programs.

In the current analysis, EPIC recommended the District renew the current VSP vision plan with Ameritas, an A+ (Superior) rated carrier, and the current dental insurance plan with Cigna, an A (Excellent) rated carrier, since both carriers offered one-year rate passes with no change in the current premium levels. Marketing efforts for the vision plan were not conducted this year due to the significant rate reduction in 2016 and rate pass for 2017; prior quotes/rates for VSP Direct and ACWA/JPIA were substantially higher than Ameritas/VSP. Two dental carriers quoted for 2017 but were not competitive; their rates were 15-28% higher than Cigna. Although ACWA/JPIA dental rates will not change for 2017, they were also not competitive with the rates offered by Cigna.

EPIC recommended renewing the current life/disability plan with Cigna after negotiating an overall 9.19% increase with a two-year rate guarantee. Two carriers quoted; one rate was 42% higher than Cigna while the other did not provide the same benefit levels and the annual cost difference (approximately \$2,000) would have been lost due to the "soft" costs associated with changing carriers. Although ACWA/JPIA life/disability rates will not change for 2017, their prior rates were not competitive with the rates offered by Cigna.

The General Manager has approved EPIC's recommendation to continue the current vision, dental and life/disability insurance plans. The full analysis provided by EPIC is available for review upon request. The District's medical, vision and dental plans will be reviewed again next year for 2018 renewals.

**b. Wholesale Customer Increases from San Juan Water District**

On Tuesday, October 11, 2016, San Juan Water District will hold an Ad Hoc Committee meeting to discuss a proposed Wholesale Rate Financial Plan. In attendance, will be elected officials and senior staff from Citrus Heights Water District, Fair Oaks Water District, Orange Vale Water Company and the City of Folsom. From Sacramento Suburban Water District, the General Manager and Finance Director have also been invited to attend. A verbal report from the Ad Hoc Committee meeting will be provided at the Board meeting.

**c. McClellan Update**

**Restoration Advisory Board:**

The second meeting in 2016 of the McClellan Restoration Advisory Board (RAB) was held at the North Highlands Community Center on September 15, 2016. Director Gayle and Dave Jones attended the meeting representing Sacramento Suburban Water District. The meeting was presented as an open forum with prepared displays and graphics for each of the main components of the restoration activities underway at the McClellan site.

Participants present included members of the Community, Air Force, McClellan Park, County Local Redevelopment Authority, Central Valley Regional Water Quality Control Board, Department of Toxic Substances Control and U.S. EPA. There were approximately 20 people in attendance, mostly regulatory spokespersons. The area covered under the RAB is within Division 2 of the Sacramento Suburban Water District service boundaries.

No agenda was provided. The room was divided into small areas with displays and graphics illustrating the components of the restoration processes occurring at the McClellan site. Components included soil excavation, vapor extraction, soil fracking, privatization and a review of progress. Each component was structured to encourage discussion with the restoration manager present to discuss the restoration component in detail. County, State, and Federal authorities were present to answer any questions.

**Air Force Cleanup Update:**

- Air Force Cleanup Update: Steve Mayer noted that the restoration efforts this year are much the same as last year, with the exception of the cleanup activities along the original alignment of Magpie Creek. In the early stages of McClellan Air Force Base, Magpie Creek was re-aligned and built over making cleanup activities more difficult and expensive. The cleanup outside of the building foundations has been completed and the next phase will include excavations within the foundations.
- The Air Force is preparing the final steps required prior to transferring 949 acres to the County of Sacramento.

- To date the Air Force has spent approximately \$533 million on the Base cleanup with an estimated \$51 million estimated to complete the cleanup
- Privatized Cleanup Status: Tetra Tech provided a graphic presentation on the current privatized cleanup status.

**d. Water Transfer – Bureau of Reclamation Update**

Reclamation is currently conducting internal discussions on potentials for a 2017 Water Transfer. On September 28, 2016, District and Reclamation staff continued discussions to work on a potential Groundwater Substitution water transfer in 2017. Under the proposed action, the District would transfer up to 8,000 acre feet (af) of its 2017 Placer County Water Agency (PCWA) contract water entitlement to Reclamation. The District anticipates that it can transfer approximately 8,000 af of its available PCWA supply to Reclamation during July 15, 2017 to September 30, 2017, which is the potential Transfer Period. All Middle Fork Project water delivered by PCWA for transfer by the District under the Proposed Action shall be ‘exchanged’ by the District’s sustainable pumping of groundwater from the North American Groundwater Basin to meet its consumptive demands in lieu of taking PCWA water. If the water transfer is implemented, the District will receive \$300 per af from Reclamation. Reclamation will begin meeting in November 2016 to discuss opportunities for a 2017 Water Transfer. Staff is scheduling an Ad Hoc Water Banking and Transfer Committee to obtain input regarding the District’s opportunities for 2017 Water Transfers.

**e. Long Term Warren Act Contract Update**

Staff met with Bureau of Reclamation (Reclamation) on September 14, 2016 to discuss the status of the District’s Long Term Warren Act Contract (LTWAC). The District’s consultant, ECORP Consulting, submitted the Draft Environmental Assessment (EA) on September 30, 2016 and Draft Biological Assessment (BA) on October 4, 2016. Reclamation will review the Draft EA and BA and based on their analysis, an informal consultation will be held with the National Marine Fisheries Service. Reclamation staff is currently working on the Draft LTWAC.

**f. Drinking Water Fee Regulations Update**

The State Water Resources Control Board (SWRCB) adopted a revised fee schedule on September 20, 2016 for annual operating fees paid by public water systems to support the SWRCB Drinking Water Program. The schedule changes the manner in which fees are assessed for public water systems and wholesale water providers, and in some cases will result in substantial increases in annual fees. Now that the revised fee schedule has been adopted, SWRCB staff will prepare the final rulemaking package for submission to the Office of Administrative Law (OAL). Following OAL’s final review, which can take up to 30 days, the regulations will take effect based on the date of filing with the Secretary of State’s office. Under the Secretary of State’s quarterly filing schedule, a regulation filed between September 1, 2016 and November 30, 2016, will take effect on January 1, 2017. In future years, the annual fees will be set by the SWRCB through the emergency

rulemaking process. The District's annual fees are expected to increase by approximately \$50,000.

**g. Local Agency Formation Commission (LAFCO) Application by SSWD and Carmichael Water District Report to Initiate Annexation/Detachment**

At the July 18<sup>th</sup>, 2016 meeting, the Board of Directors (Board) approved the resolution and provided direction to initiate the LAFCO application and conduct additional outreach to the customers and affected property owners. Additionally, the Board directed periodic updates regarding the process.

Subsequently, the Districts completed the application and filed the appropriate materials including mailing and contact information for the affected property owners which are also being engaged in the LAFCO process.

The District has reached out directly to each of the customers and property owners to initiate rapport. To date, three customers have responded to the District's overtures. Two of these have resulted in successful Water Wise House calls. One other became a complicated matter regarding two residential units on a common parcel with service and service lines which were not previously known. With the cooperation of staff at both Carmichael Water District and SSWD, the owner indicated they reached a suitable arrangement consistent with the application.

The LAFCO Commission is in recess for October and the subject has not been placed on their agenda yet. Ron Greenwood, a Carmichael Water District Board member, is a LAFCO Commission member.



## Agenda Item: 26

**Date:** October 5, 2016

**Subject:** Upcoming Policy Review – Debt Management Policy (PL – Fin 011)

**Staff Contact:** Daniel A. Bills, Finance Director

The Debt Management Policy (PL – Fin 011) was originally adopted by the Board in September 2014.

Staff has no recommended changes to the policy.

The policy was not submitted for legal counsel review.

The policy is scheduled for Board consideration and adoption at the November Board meeting. If a Director wishes to have his comments included in Board packet for Director review and consideration, please provide those comments to staff by Monday, November 1, 2016.



## Sacramento Suburban Water District

**Debt Management Policy**Adopted: September 15, 2014; November XX, 2016**100.00 Purpose of the Policy**

This policy sets forth comprehensive guidelines for the financing of capital expenditures. It is the objective of this policy that – 1) the District obtain financing when necessary, 2) the process for identifying the timing and amount of debt or other financing be as efficient as possible, 3) the most favorable interest rate and issuance costs be obtained, and 4) when appropriate, future financial flexibility be maintained.

**200.00 Policy**

The issuance of long-term debt is a valuable funding resource for the District. Used appropriately and prudently, long-term debt can minimize the District's water system charges and rates over time.

To minimize dependency on debt financing for capital projects, annual renewal and replacement capital projects will be adequately funded from rates. Funding levels for capital investments will be sufficient to meet capital improvement projections needed as outlined in the current Asset Management Plans and/or Water System Master Plan. Long-term debt will be considered only for large capital improvement projects or greater than normal capital plans. The District will be managed to at least meet, and potentially exceed, the minimum and target Debt Service Coverage (DSC) requirements as imposed by bond covenants. The District will not issue long-term debt to support operating costs.

- A. Use of Long-Term Debt As a Funding Mechanism – Use of long-term debt will be minimized. The District may consider the use of long-term debt financing when it appears that a capital project, or other expenditures as deemed appropriate by the Board, is of such a magnitude that it will negatively impact the District's rates in the short-term. The benefit of long-term debt financing is that it will spread the costs of the capital asset over a longer period of time and will, therefore, approximate the useful life of the asset, and over time, charge those customers that benefit from that asset more equitably.
- B. Types of Long-Term Debt – The District will strive to utilize the type of debt that has the lowest costs, while not imposing any burdensome covenants or reporting requirements.
- C. Legal Covenants – The District will manage the water District to meet all bond covenants associated with the long-term debt. Bond covenants are legal obligations of the District.
- D. Debt Service Coverage Covenants – Long-term debt issuances typically contain legal covenants regarding DSC. A DSC ratio is an important financial measure of

the District's ability to repay the outstanding debt obligation, and is reviewed for adequacy by banks and rating agencies. Generically, the DSC ratio is the District's net operating income divided by the total annual debt service payment. For financial planning purposes, the targeted annual DSC ratio will be greater than or equal to 1.85 on all outstanding debt that carries such a covenant.

- E. Reporting Standards – The District will fully adhere to all applicable Government Accounting Standards Board (GASB) requirements and recognized best practices for the accounting treatment and disclosure of debt obligation transactions in its audited financial statements and other relevant publications.
- F. Revenue-Bonded Debt Capacity – The issuances of debt are supported by the revenues of the District. The ability of the District to fund and support revenue bonded debt will financially establish a debt level and capacity for revenue-bonded debt.

### **300.00 Conditions for Debt Issuance**

When debt issuance is determined necessary, the District will assess the market conditions and timing for debt issuance to include issuing debt – 1) in times of favorable market conditions, 2) when Bond ratings would qualify District issuances to be investment grade, and 3) when revenues are sufficient to adequately cover expected debt service and issuance costs.

Bond credit enhancements will be considered when necessary for market acceptance and when costs are favorable to the District.

### **400.00 Interest Rate Swaps**

The incurring or carrying of variable-rate debt obligations by the District involves a variety of interest rate payments and other risks that interest rate swaps are available to offset, hedge, or reduce. It is the policy of the District to utilize such interest rate swaps to better manage its debt portfolio. The District will consider executing an interest rate swap transaction if it expects the swap transaction will result in any of the following:

- A. Reduce exposure to changes in interest rates on a financial transaction;
- B. Result in a significantly lower net cost of borrowing with respect to the District's debt consistent with an established target; or
- C. Manage variable interest rate exposure consistent with prudent debt practices and guidelines as approved by the Board.

#### **Savings Target**

Interest rate swaps will require a significant financial benefit or savings versus traditional fixed-rate debt. For an interest rate swap intended to produce the effect of a synthetic fixed rate transaction, the swap transaction must generate 5% or greater net present value savings compared to standard fixed-rate bonds which have the same optional redemption features.

#### **Restrictions**

The District will not enter into any swap transaction

- a) for speculative purposes.

- b) if the swap presents an extraordinary risk to the District's liquidity to terminate the agreement due to unforeseen events.
- c) if there is insufficient price transparency to allow for fair market valuation.

**Provider Requirements**

The transaction provider will have a credit rating of AA (or equivalent) or better from at least two nationally recognized credit rating agencies (at the time of agreement execution). The transaction provider will have a demonstrated record of successfully executing derivative transactions and have a minimum capitalization of \$2 billion.

**Use of Independent Advisor**

The District will use a professional advisor or designated swap representative ("Swap Advisor") to assist in the assessment, structuring, and pricing of proposed or existing interest rate swaps. The Swap Advisor will be a firm which:

- i. is a Municipal Advisor registered with the Securities and Exchange Commission;
- ii. has sufficient knowledge to evaluate the swap transaction and risks;
- iii. is not subject to a statutory disqualification;
- iv. is independent of the swap dealer or major swap participant;
- v. undertakes a duty to act in the best interests of the District;
- vi. provides appropriate and timely disclosures to the District; and
- vii. evaluates fair pricing and the appropriateness of the swap.

**500.00 Authority**

The General Manager and District Treasurer are responsible for adherence to this policy and regular reporting of the District's financial status. Board oversight will be accomplished through regular reporting of financial status and review of this Policy.

**600.00 Policy Review**

This Policy will be reviewed at least biennially.



## Agenda Item: 27

**Date:** October 7, 2016

**Subject:** Upcoming Water Industry Events

**Staff Contact:** Heather Hernandez-Fort, Executive Assistant to the General Manager

Below is a list of upcoming water industry events.

### Upcoming Events

1. Water Education Foundation's Northern California Tour 2016  
October 19-21, 2016  
Sacramento, CA  
<http://www.watereducation.org/event-calendar>
2. AWWA Annual Meeting  
October 24 – 27, 2016  
San Diego, CA  
<http://www.awwa.org/conferences-education/events-calendar.aspx?page=5&resultsperpage=10&sd=2016-06-13>
3. ACWA Region 4 Program and Walking Tour of Putah Creek  
November 7, 2016  
Winters Community Center, Winters, CA  
[www.acwa.com](http://www.acwa.com)
4. NWRA Annual Conference  
November 14-16, 2016  
Coronado, CA  
[www.nwra.org](http://www.nwra.org)
5. ACWA Fall Conference & Exhibition  
November 29 – December 2, 2016  
Anaheim, CA  
[www.acwa.com](http://www.acwa.com)

# ITEM 28

## Minutes

Sacramento Suburban Water District  
**Facilities and Operations Committee**  
Friday, September 30, 2016

### Call to Order

Director Locke called the meeting to order at 3:01 p.m.

### Roll Call

Directors Present: Craig Locke and Neil Schild.

Directors Absent: None.

Staff Present: General Manager Rob Roscoe, Assistant General Manager Dan York, Amy Bullock, Mitch Dion, Dave Jones, Dan Bills, Jim Arenz and David Espinoza.

**Public Present:** William Eubanks, Melanie Holton, Paul Selsky, Kathy Medley and Steve Medley.

### Public Comment

None.

### Consent Items

**1. Minutes of the September 1, 2016 Facilities and Operations Committee Meeting**

Director Locke moved to approve Item 1; Director Schild seconded. The motion passed by unanimous vote.

AYES:	Locke and Schild.	ABSTAINED:	
NOES:		RECUSED:	
ABSENT:			

### Items for Discussion and Action

**2. Water System Master Plan Update**

Mitch Dion (Mr. Dion) introduced the staff report and Melanie Holton (Ms. Holton) with Brown and Caldwell presented the PowerPoint presentation.

Director Schild requested a note showing that the debt repayment goes off in 2034 even though the projection is a 15 year projection ending in 2031.

Director Schild brought to the attention of Ms. Holton that the abbreviation listed as R/R seems to refer to two different things on the same slide. He requested for the slide to spell out Rehab and Rehabilitation or Rehab and Replacement so it's clear.

Director Schild inquired about well 11 and 12, if they are placed side by side and that close to each other.

Ms. Holton stated that the map in the slide is the ultimate vision map to provide an idea of what it will potentially look like in 2031. The map does not show the wells that will be removed.

Director Schild would like some clarification and a note on how many wells on the South Service Area verses the North Service Area and which wells are existing and being used.

Director Locke inquired on the annual cost slide and what generates the spikes in the graph.

Ms. Holton stated that the spikes can be because of assumptions of useful life of the wells and the replacement year. There is heavy rehab and light rehab years and new wells coming in that can generate the spikes in the annual costs.

GM Roscoe stated that it's important for Board Members to know and understand that the District does not have any leak record history from 15 years ago for the former Northridge Water District, prior to the District being formed.

Director Schild stated that the cumulative cost slide needs to have the purple symbol fixed to represent the line on the graph.

Mr. Dion reminded the Committee that McClellan is not included in the information for all the slides and the report.

Mr. Dion introduced Paul Selsky (Mr. Selsky) with Brown and Caldwell to present the remainder of the PowerPoint presentation.

Director Schild inquired if this report was an internal report.

Mr. Selsky stated that this report was in the appendix of the Master Plan and is used for a technical back-up.

Director Schild inquired on the time frame and the schedule to complete the plan.

Ms. Holton stated that in mid-November a draft Master Plan will be presented to District staff and then a final draft will be in the beginning of 2017.

Director Locke inquired about how many elevated tanks the District has active in the system.

Ms. Holton stated that the District has three elevated tanks at McClellan and one at the Walnut facility.

Mr. Eubanks commented that some of the material in the report could be confusing to the general public.

GM Roscoe stated that having a long term plan other than an annual budget is a good rule of practice for the District. The District is tied to groundwater and they should be planning on the need for well head treatment. He further noted that the report is beneficial to the financial community that provides the District bonds.

Director Locke noted that he appreciated the information presented.

### **3. Master Service Agreement For Main Replacements - Service Line Installation**

Dave Jones (Mr. Jones) presented the staff report and introduced Kathy Medley (Mrs. Medley), Program Manager with GM Construction, and Steve Medley (Mr. Medley) President of GM Construction.

Mrs. Medley presented the PowerPoint Presentation.

Director Schild stated that because this is the 5<sup>th</sup> year of a 5 year contract, it should be put out to bid.

Mr. Eubanks stated that the Board should not approve a bid because it's the lowest bid. He stated that the Board should take into consideration the customer service that GM Construction has provided and excelled at, and feels that the District should continue the contract and to do business with GM Construction. Mr. Eubanks commented that there is no reason to take the contract out to bid. Mr. Eubanks further noted that he personally experienced work performed by GM Construction and was very pleased with the work GM Construction provided.

GM Roscoe added that there were cost savings to the staff and rate payers by continuing the contract with GM Construction, further noting that GM Construction was very familiar with all aspects and standards of the District and regulation, and the District has been very pleased with GM Construction's work history.

Director Locke favored extending the GM contract one year; Director Schild favored re-advertising competitive bids. This item shall be brought in front of the Full Board at the October meeting.

Director Schild left the meeting.

### **4. McClellan Business Park Reservoir Property**

Mr. Dion presented the staff report.

Director Locke suggested that McClellan Business Park should come up with another site for the District to use.

GM Roscoe stated that the first trade of land, 40,000 square feet, was acceptable to the District but this new site appears less favorable.

Director Locke stated that because the new proposed land is so close to the airstrip, the lot may not work for the District.

Director Locke directed staff to continue to work with McClellan for another parcel option and report back to the Committee with any updates.

**5. Proposed Changes to County Paving Program**

Technical Service Director Mitch Dion presented a brief summary of the staff report, noting that the item would be going before the full Board at an upcoming meeting.

**Adjournment**

Director Locke adjourned the meeting at 4:33 p.m.

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Robert S. Roscoe  
General Manager/Secretary  
Sacramento Suburban Water District



## ITEM 29. b.

### **SACRAMENTO GROUNDWATER AUTHORITY REGULAR MEETING OF THE BOARD OF DIRECTORS**

**Thursday, October 13, 2016; 9:00 a.m.**

5620 Birdcage Street, Suite 110  
Citrus Heights, CA 95610  
(916) 967-7692

#### **Agenda**

The Board will discuss all items on this agenda, and may take action on any of those items, including information items and continued items. The Board may also discuss other items that do not appear on this agenda, but will not act on those items unless action is urgent, and a resolution is passed by a two-thirds (2/3) vote declaring that the need for action arose after posting of this agenda.

The public shall have the opportunity to directly address the Board on any item of interest before or during the Board's consideration of that item. Public comment on items within the jurisdiction of the Board is welcomed, subject to reasonable time limitations for each speaker. Public documents relating to any open session item listed on this agenda that are distributed to all or a majority of the members of the Board of Directors less than 72 hours before the meeting are available for public inspection in the customer service area of the Authority's Administrative Office at the address listed above. In compliance with the Americans with Disabilities Act, if you have a disability and need a disability-related modification or accommodation to participate in this meeting, please contact the Executive Director of the Authority at (916) 967-7692. Requests must be made as early as possible, and at least one full business day before the start of the meeting.

#### **1. CALL TO ORDER AND ROLL CALL**

**2. PUBLIC COMMENT:** Members of the public who wish to address the Board may do so at this time. Please keep your comments to less than three minutes.

#### **3. CONSENT CALENDAR**

Minutes of the August 11, 2016 meeting

**Action: Approve Consent Calendar item**

#### **4. GROUNDWATER MANAGEMENT PROGRAM UPDATE**

Information Update: Rob Swartz, Manager of Technical Services

#### **5. APPOINTMENT OF NOMINATIONS COMMITTEE FOR 2017 SGA OFFICERS**

**Action: Vice Chair to Appoint Nominations Committee for 2017 SGA Officers**

#### **6. EXECUTIVE DIRECTOR'S REPORT**

#### **7. DIRECTORS' COMMENTS**

#### **ADJOURNMENT**

**Next SGA Board of Director's Meeting** – December 8, 2016, 9:00 a.m., RWA/SGA office, 5620 Birdcage Street, Ste. 110, Citrus Heights

Sacramento Groundwater Authority Board Meeting  
October 13, 2016

**AGENDA ITEM 3: CONSENT CALENDAR**

**STAFF RECOMMENDATION:**

**Action: Approve the minutes of August 11, 2016 meeting**

# **ITEM 29. c.**

**WATER CAUCUS**  
**Wednesday, October 12, 2016**  
**11:30 AM – 1:00 PM**  
**Regional Water Authority**  
**5620 Birdcage St., Citrus Heights**

## **Agenda**

1. California Water Fix Hearing Update
2. Flow Management Standard Update
3. Water Efficiency / Water Conservation Update
4. Regional Reliability Plan Update

# ITEM 30

[Back to Agenda](#)

## Div 4

**From:** James Arenz  
**Sent:** Monday, October 03, 2016 3:49 PM  
**To:** '@gmail.com'  
**Subject:** RE: Customer Service

Dear Ms.,

Thank you for the positive feedback about Geremy, the first responder, and Chad, who was working with George a temporary employee to repair the leak. Geremy has been with the District for some time now and often goes above and beyond to provide District customers with the “Superior Customer Service” we promote in our District’s Mission Statement. Chad is one of the newer employees in Field Operations, and it is very pleasing to know that is being well coached to provide the same level of customer service and conscientiously completed work we expect from all District employees. We work diligently to provide our customers with the highest level of customer service and it is very nice to hear that we are hitting our mark. Your kind words will be shared with Geremy and Chad and their supervisory staff, as well as be included in the next Board Meeting packet under Board Correspondence.

I very much appreciate you taking time out of your busy day to send these kind words about our staff.

James Arenz  
Operations Manager

**From:** Diane [<mailto:@gmail.com>]  
**Sent:** Saturday, October 01, 2016 1:13 PM  
**To:** feedback  
**Subject:** Customer Service

On 9/28 I reported a water leak at Whiznan Street. Your men arrived quickly to inspect, and on 9/29 a 2-man team repaired the leak. Although the leak was on my neighbor's line, the work was done in my landscaping area. I feared I would have a big cleanup job, as I am a major fusbudget about my yard. I am writing to praise the excellent restoration job your men did. I know this is difficult work, and I am very impressed with what a conscientious cleanup they performed. Thank you for the good work and the prompt service--well done!

Diane

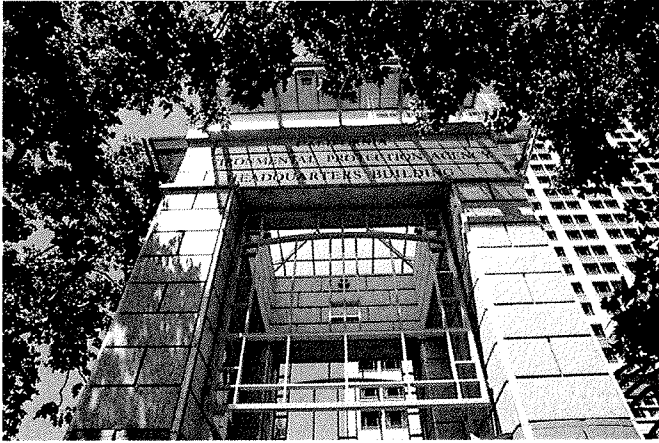


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# State Water Board Adopts Revised Schedule for Annual Drinking Water Fees

Submitted by Lisa Lien-Mager on Tue, 09/20/2016 - 5:11pm in Regulatory Affairs Water Quality Committee Water News



The State Water Resources Control Board adopted a revised fee schedule Tuesday for annual operating fees paid by public water systems to support the state's Drinking Water Program.

The schedule changes the manner in which fees are assessed for public water systems and wholesale water providers, and in some cases will result in substantial increases in annual fees.

ACWA's Drinking Water Fees Work Group worked extensively on this issue and coordinated with other drinking water system representatives to develop an alternative water community fee option that would allocate fee increases more equitably among larger water systems and ensure that smaller water systems' fees did not decrease relative to fee amounts first established by the Legislature in 2009.

Revised draft regulations released by the State Water Board in July incorporated some changes to the draft fee schedule consistent with the water community option.

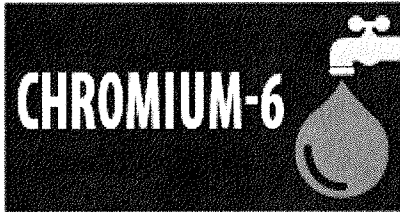
Now that the revised fee schedule has been adopted, State Water Board staff will prepare the final rulemaking package for submission to the Office of Administrative Law. Following OAL's final review (which can take up to 30 days), the regulations will take effect based on the date of filing with the Secretary of State's office. Under the Secretary of State's quarterly filing schedule, a regulation filed between Sept. 1 and Nov. 30 will take effect on Jan 1. In future years, the annual fees will be set by the State Water Board through the emergency rulemaking process.

ACWA will continue to advocate for increased transparency in the Drinking Water Program's fee setting processes to ensure accountability to public water systems.

**<http://www.acwa.com/news/regulatory-affairs/state-water-board-adopts-revised-schedule-annual-drinking-water-fees>**

## Communications Resources Available on Chromium-6

Submitted by Lisa Lien-Mager on Wed, 09/21/2016 - 5:11pm in Water Quality Regulatory Affairs  
Communications Committee Water News



The Environmental Working Group (EWG) released a report Sept. 20 stating that 200 million Americans across the country are exposed to unsafe levels of chromium-6. The report includes an interactive map that allows the public to view chromium-6 results by state, county and water utilities, including populations.

The report used chromium-6 sampling data collected by water systems between 2013 and 2015 under the federal Unregulated Contaminant Monitoring Rule (UCMR3). It states that some 75% of samples tested contained chromium-6 at or above California's Public Health Goal (PHG) of 0.02 parts per billion (ppb) and that 7 million Americans receive tap water that exceeds California's Maximum Contaminant Level (MCL) of 10 ppb. California is the only state with an MCL for chromium-6.

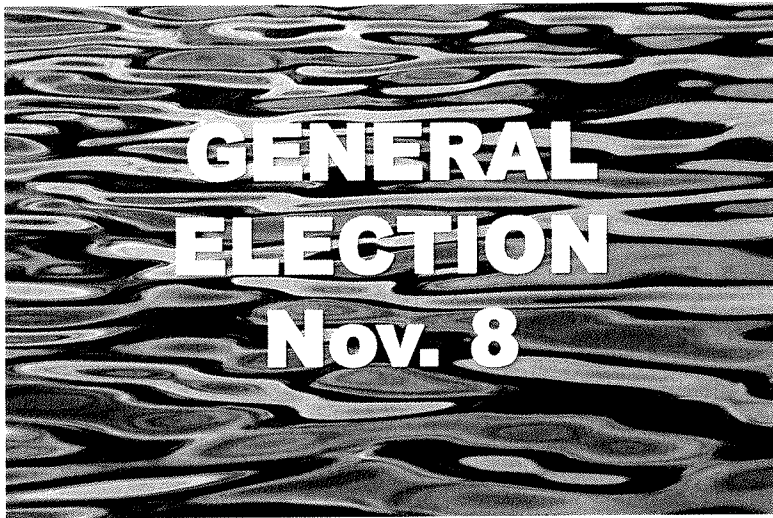
ACWA has prepared resources to help answer questions about chromium-6 and the MCL. Please visit ACWA's Chromium-6 Page here.

In addition, the State Water Resources Control Board has a fact sheet here <http://bit.ly/2cpBkQH>.

**<http://www.acwa.com/news/water-quality/communications-resources-available-chromium-6>**

# Clean Water & Jobs for California Opposes Prop 53, Warns Measure Could Imperil Water Projects

Submitted by Teresa McGaffic on Tue, 09/20/2016 - 4:26pm in Water News



Clean Water & Jobs for California has announced its opposition to Proposition 53, saying the November ballot measure could threaten a wide range of water projects throughout the state and undermine local control.

Clean Water and Jobs for California is a coalition of business, agriculture, labor, public water agencies and others organized to educate Californians about the need to invest in the state's water system to sustain and grow jobs and the economy. ACWA, a founding member of the group, has already stated its opposition to Proposition 53.

"In November 2014, Californians overwhelmingly passed Proposition 1 to move forward a wide range of water projects, vital water infrastructure that Proposition 53 threatens," said Timothy Quinn, executive director of ACWA and president of Clean Water and Jobs for California.

"This ballot measure claims to be about 'empowering voters' to decide what infrastructure projects to fund but the exact opposite is true," said Richard Lyon, treasurer for the coalition. "The threats to erode local control go well beyond water storage and would impact other infrastructure investments needed to manage stormwater and floods, education and transportation."

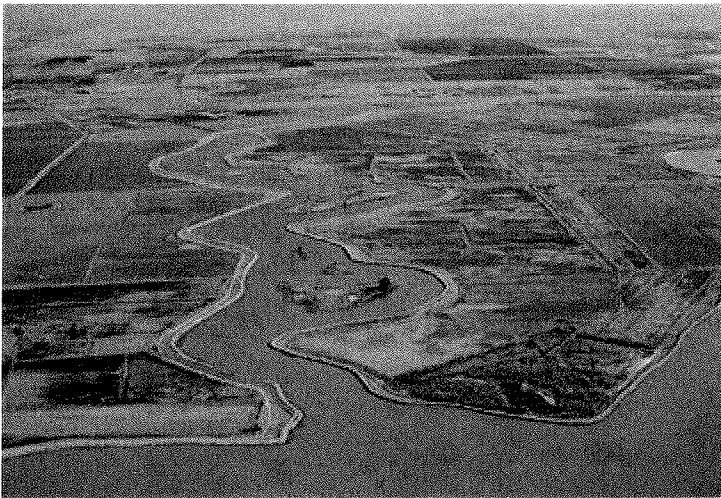
Clean Water and Jobs for California joins a statewide coalition of more than 240 local and statewide groups opposed to Proposition 53, including California Professional Firefighters, League of California Cities, California Chamber of Commerce, and Self-Help Counties Coalition.

**<http://www.acwa.com/news/water-news/clean-water-jobs-california-opposes-prop-53-warns-measure-could-imperil-water-projec>**



# Delta Stewardship Council to Hold Hearing on Single-Year Water Transfers

Submitted by Teresa McGaffic on Tue, 09/20/2016 - 2:29pm in Delta Water News



The Delta Stewardship Council will hold a public hearing Sept. 29 in Sacramento and take comments on a proposed amendment to the Delta Plan that would exempt single-year water transfers from the definition of “covered actions.”

The public hearing will take place on the first day of meetings to be held Sept. 29-30. Documents for review can be found at Single-Year Water Transfers Amendment, along with instructions for submitting comments by 5 p.m. Sept. 29.

Other agenda items include updates on implementation of the **Delta Smelt Resiliency Strategy** and development of other possible Delta Plan amendments concerning ecosystem restoration, and water conveyance and storage.

The council meeting will be held at the Park Tower Plaza, 980 Ninth Street, 2nd Floor Conference Center, Sacramento. The full meeting notice is available on the Council website.

**<http://www.acwa.com/news/delta/delta-stewardship-council-hold-hearing-single-year-water-transfers>**

# State Water Board to Hold Public Meetings on Affordable Water for Low-Income Residents

Submitted by Pamela Martineau on Wed, 09/28/2016 - 11:45am in Water Rates All Water News



The State Water Resources Control Board has announced it will hold a series of public meetings seeking recommendations on how to make drinking water affordable for low-income Californians.

In a press release, the State Water Board encouraged people with ideas about how to develop and implement a statewide low-income rate assistance program to attend the hearings and provide comments. The release also said the meetings seek to explore “existing rate assistance programs, and whether they have been successful at helping people to manage their water bills.”

Dates and locations of the public meetings are:

- Fresno, Oct. 12, 6 p.m. to 8 p.m.
- Redding, Oct. 19 6 p.m. to 8 p.m.
- Inglewood, Oct. 26, 6:30 p.m. to 8:30 p.m.
- Bakersfield, Nov. 9, 6 p.m. to 8 p.m.

The State Water Board is developing a plan for a statewide Low-Income Rate Assistance Program, which is required by AB 401 (D- Dodd) to be released no later than Feb. 1, 2018.

Submission of comments may be made to Kathy Frevert at (916) 322-5274 or [Kathy.Frevert@waterboards.ca.gov](mailto:Kathy.Frevert@waterboards.ca.gov). Use the subject: “Comments on low-income rate assistance” in the email message.

Questions about this notice may be directed to Esther Tracy at (916) 341-5908 or [Esther.Tracy@waterboards.ca.gov](mailto:Esther.Tracy@waterboards.ca.gov).

The specific locations of the meetings is available here.

**<http://www.acwa.com/news/water-rates/state-water-board-hold-public-meetings-affordable-water-low-income-residents>**

# California “Snow Drought” Marks Water Year 2016, DWR Says

Submitted by Pamela Martineau on Thu, 09/29/2016 - 3:53pm in Water Supply Challenges All Water News



California’s Water Year 2015-’16 will go down in the record books as “dry” despite parts of Northern California experiencing average to slightly above average precipitation. The water year also will be remembered for its “snow drought” in which much-needed precipitation fell more often as rain than snow, according to a press release from the California Department of Water Resources.

As the 2015-’16 water year draws to a close Sept. 30, forecasters say the prediction for Water Year 2017 is uncertain. The National Oceanic and Atmospheric Administration’s Climate Prediction Center currently predicts slightly better than even odds that weak La Niña conditions will develop this fall and winter. But there are no guarantees for substantial La Niña rainfall, NOAA officials stated.

State officials stated in the release from DWR that 60% percent of the state currently remains in severe or extreme drought therefore continued water conservation is critical. Making water conservation a California way of life remains a statewide goal and a top priority in Gov. Jerry Brown’s State Water Action Plan.

Record warm temperatures during 2015-’16 Water Year created an early and below-average runoff that was in large part absorbed by parched soil before ever reaching the state’s reservoirs. Warm temperatures also kept the precipitation from falling as snow that in cold years builds the state’s critical Sierra snowpack that melts in the spring and summer to fill reservoirs. Hence the phrase “snow drought.”

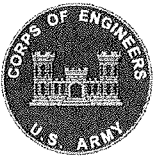
The California Department of Water Resources explains the term in its recently released Drought and Water Year 2016: Hot and Dry Conditions Continue, a water year wrap-up delivered with detailed historical context.

A “water year” is a 12-month time period running from Oct. 1 to Sept. 30 of the following year during which precipitation totals are measured.

**<http://www.acwa.com/news/water-supply-challenges/california-%E2%80%9Csnow-drought%E2%80%9D-marks-water-year-2016>**

# House Passes WRDA

Submitted by Josh Abel on Thu, 09/29/2016 - 9:42am in Federal Relations Federal Affairs Committee Water News



The U.S. House of Representatives on Wednesday passed the Water Resources Development Act (WRDA). The legislation, which passed by a vote of 399-25, contains \$5 billion for the nation's water infrastructure, including dams, locks and flood protection.

The House's \$5 billion bill now heads to conference committee, where it must be reconciled with the more ambitious Senate version, which comes in at a price tag of \$10.6 billion. The committee is expected to take up the bill during this session.

"This bill is fundamental to America's competitiveness, and gets Congress back to the regular business of addressing some of our most pressing infrastructure needs. An efficient maritime and waterways transportation system is fundamental to the country's economy," said Rep. Bill Shuster (R-PA), chairman of the Transportation and Infrastructure Committee and sponsor of the legislation. "The process reforms Congress put in place in the 2014 water resources bill are working. Enacting a WRDA bill every two years is essential to maintaining an efficient transportation system, moving commerce effectively, and promoting economic growth throughout the country."

Sens. James Inhofe (R-OK) and Barbara Boxer (D-CA), the chairman and ranking member of the Senate Committee on Environment and Public Works, who have passed their own version of the WRDA bill, praised the House's efforts:

"We applaud the House of Representatives for passing its Water Resources Development Act and for providing a path forward for a final bill that includes the fully paid for Senate package to address the drinking water contamination in Flint, Michigan. The strong, bipartisan vote in the House of Representatives is a clear sign that we can reconcile the House and Senate bills swiftly and smoothly. We are confident that Congress will send to the president's desk this year another robust bipartisan infrastructure bill, which will grow the economy, improve public safety, and restore ecosystems while also providing support to communities facing failing water and wastewater infrastructure."

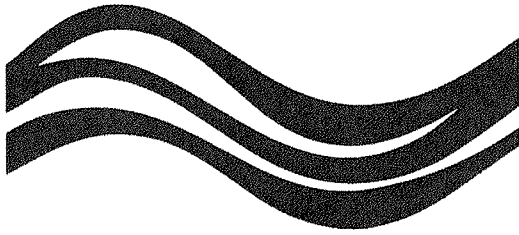
Provisions of interest in these WRDA bills include: 1) Authorizing the U.S. Army Corps of Engineers to engage in environmental infrastructure projects, including water supply and water recycling projects; 2) Including language to allow project sponsors to pay for the Corps to revise outdated operational documents for their reservoir; 3) Authorizing the Corps to enter into agreements with non-federal partners to engage in water conservation projects including stormwater capture and groundwater recharge projects.

The text of the House bill can be found [here](#). A summary can be found [here](#).

**<http://www.acwa.com/news/federal-relations/house-passes-wrda>**

# State Water Board Proposes Increased Water Flows for Fish on San Joaquin River and Tributaries

Submitted by Pamela Martineau on Thu, 09/15/2016 - 11:53am in Delta All Water News



## Water Boards

The State Water Resources Control Board today released a draft proposal for the San Joaquin River that would require a significant increase in unimpaired flows for fish species.

The proposal, which is part of the first phase of an update to the Bay-Delta Plan, would increase unimpaired flows from the current 20% to a range of 30% to 50%. It also includes proposed new salinity requirements for the southern Delta.

Felicia Marcus, chair of the State Water Board, said during a press call Thursday that the draft proposal is “about balancing competing interests to share the rivers with others and with nature”

“The current standards are out of date and fish populations have plummeted,” said Marcus. “The fish in the rivers need far more water left in the river to have a chance at survival.”

She added that stakeholders are invited to propose alternatives and modifications to the proposal, and that she encourages “people to come together to find the right balance.”

The increase in unimpaired flows to fish would severely impact water users that rely on the San Joaquin River and its tributaries, with many predicting Thursday that it would deeply cut into water supplies in the future.

A joint statement issued by a broad coalition of local government, water suppliers and others said the proposal, if implemented, “shuts down any hope of economic growth in this multi-county region” by cutting water supply.

“This water grab by the state of California, without mitigation or due analysis of impacts, will be vigorously opposed by this coalition,” the statement read.

The documents released Thursday are known as Phase 1 of the Bay Delta Plan update and an accompanying Substitute Environmental Document (SED) that analyzes the impacts, benefits, and costs of the proposed revisions.

The draft proposal updates water quality requirements for salinity in the southern Delta and water flows in major tributaries to the San Joaquin River (the Stanislaus, Tuolumne, and Merced Rivers), which drain into the southern Delta.

The State Water Board stated in a press release that the proposed salinity requirements reflect updated scientific information about salt levels that “reasonably protect farming in the southern Delta.”

“The new flow requirements for the San Joaquin River’s major tributaries recognize the vital role upstream water flows provide for habitat and migratory signals for native fish species,” the release read. “In summary, the draft proposes increasing flows for fish and wildlife and adjusts the salinity requirements to a slightly higher level to reflect updated scientific knowledge.”

According to the press release, the proposal lays out water quality protections to ensure that various water uses – drinking, irrigation, fisheries – are protected. In establishing the objectives, the State Water Board said it “must consider all beneficial uses of water in determining how to reasonably protect any particular use, and must balance those interests.”

Comments on the draft SED are due on Nov. 15 of this year. A public hearing will be held over three days beginning on Nov. 2 in Sacramento, continuing Nov. 4 in the Modesto area, and concluding Nov. 10 in Sacramento. The State Water Board will then hold an additional public meeting to consider the proposed Bay-Delta Plan amendments in early 2017.

The State Water Board is in the midst of a four-phase process of developing and implementing updates to the Bay-Delta Plan and flow objectives for priority tributaries to the Delta to protect beneficial uses in the Bay-Delta Watershed. This phase (Phase I) proposes amendments to the Bay-Delta Plan involving the Lower San Joaquin River flow objectives and southern Delta salinity objectives.

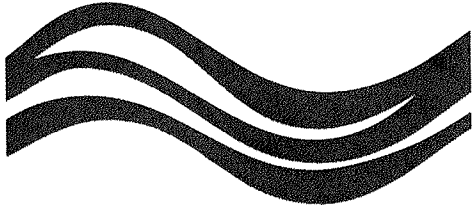
In a separate process, referred to as Phase II, the State Water Board is reviewing and considering updates to other elements of the Bay-Delta Plan, including Delta outflows, Sacramento and tributary inflows (other than the San Joaquin River inflows), Suisun Marsh salinity, Delta Cross Channel Gate closure, export limits, and reverse flows in Old and Middle River. In Phase III, the State Water Board will implement changes to the Bay-Delta Plan from Phases I and II through water right actions. Phase IV focuses on the development and implementation of flows in the Sacramento River watershed to address tributary-specific public trust needs, with consideration for other beneficial uses of water, and will be integrated with the Phase II effort. A draft scientific basis report for the Phase II proceeding will be issued in the next few weeks with proposed amendments to the plan to come next year.

Information on the draft SED and Phase 1 of the Bay-Delta Water Quality Plan update is here. A high level fact sheet is here. A high level 8-page summary of the Bay Delta Update Phase One executive summary is here.

**<http://www.acwa.com/news/delta/state-water-board-proposes-increased-water-flows-fish-bay-delta>**

# State Water Board Hears Update on Salmon Recovery

Submitted by Teresa McGaffic on Thu, 09/08/2016 - 3:04pm in Endangered and Invasive Species Water News



## Water Boards

Federal, state and local officials on Wednesday updated members of the State Water Resources Control Board on efforts to aid the recovery of salmon in the Sacramento River, stressing the importance of partnership, solid science and prioritization of actions.

The update was presented by representatives from the California Department of Fish and Wildlife (CDFW), National Marine Fisheries Service (NMFS) and Northern California Water Association (NCWA).

Garwin Yip, water operations and Delta consultations branch chief for NMFS, presented an introduction to NMFS's Sacramento River salmon five-year action plan. Sacramento River winter-run Chinook salmon have been identified as among the species most at risk of extinction. The action plan builds on the California Central Valley Salmon & Steelhead Recovery Plan, focusing resources to effect prompt improvement.

NCWA President David Guy presented a map of proposed projects and described avenues to prioritizing the projects for implementation.

"We look at each life stage and where the needs are – for spawning, migration, refugia and food dynamics," Guy said. "Then we ask: what can we do in 2017?"

Jason Roberts, a fisheries supervisor for CDFW Northern Region, added that after projects are triaged, they are explored for partnership opportunities, in both funding and implementation. He detailed several projects funded by the Fisheries Restoration Grant Program. The program combines federal and state dollars with other contributions to support high priority projects for California salmon and steelhead recovery, including monitoring programs. Roberts told the State Water Board that a grant was recently provided to cover a funding delay for the Central Valley Steelhead Monitoring Program, among others.

The salmon recovery presentations were informational only; no new action was taken by the State Water Board.

**<http://www.acwa.com/news/endangered-and-invasive-species/state-water-board-hears-update-salmon-recovery>**

# Why California May Ban New Small Water Agencies

Submitted by Michael Levitin – News Deeply – September 22, 2016



California’s goal of ensuring universal access to safe drinking water, as mandated in the 2012 Human Right to Water Bill, will come a step closer to being met if Gov. Jerry Brown signs a new measure into law that halts the creation of new small, unsustainable – and in many cases dangerous – water districts in the state.

The bill, SB1263, passed through the state assembly and senate in August. It aims to guarantee the safety and reliability of drinking water statewide by encouraging new developments to tie into existing water districts rather than create their own. The measure would especially help low-income communities that cannot afford to pay for improved water quality, and could specifically impact Central Valley cities such as Merced, Bakersfield, Fresno and the rural regions around them that have seen innumerable small water agencies sprout up in recent decades to keep pace with population growth.

California Gov. Jerry Brown could sign a bill this month to ban the creation of new small water agencies that pose health or reliability risks. (Lenny Ignelzi, AP)

Currently, of the 7,600 water districts in California, between 150 and 400 of the smallest ones are delivering water that is either unsafe to drink – with high levels of arsenic, nitrate or chromium-6 – or unreliable in flow, oftentimes reaching populations with fewer than 200 water connections, and in some cases no more than a single school site.

“It’s just ludicrous,” said the bill’s author, State Sen. Bob Wieckowski (D-Fremont), who chairs the Senate Environmental Quality Committee. “This bill attempts to say, ‘Enough with that.’ It allows the State Water [Resources Control] Board to come in and act like a backstop when a small system is proposed by a developer.”

Under the law, developers will “have to show that they’ve exhausted all possibilities of tying into existing water systems, then show they have the financial and technical ability to operate. This is the first step to



say no more new water districts,” and to enforce consolidation with larger water districts that have proved they can deliver safe water, he said.

Part of the problem stems from California’s long-time failure to pass legislation regulating the use of groundwater, which has enabled anyone with money to drill a well at any place and at any time, regardless of the long-term viability or safety of the drinking source. Easy to access, inexpensive to deliver and simpler to treat than surface water due to its lack of bacteria, groundwater provided a solid development model for California over the decades.

But now, with drought on everyone’s mind and many communities’ water safety coming into question, legislators are setting a new bar for developers if they want their projects approved. SB1263 gives the State Water Resources Control Board the authority to deny permits for new water systems if there is a reasonable chance the newly created water district will fail to provide safe drinking water in the foreseeable future. It requires developers to compare costs between starting a new system and consolidating, or connecting, with an existing one, and to identify all proposed sources of water for new developments.

Furthermore, the bill would prohibit local agencies from issuing building permits for developments that lack their own access to water and need to haul it in from elsewhere. Sen. Wieckowski cited as an example 42,000 parcels currently slated for development in Los Angeles County – all of which are designed to use expensive, hauled-in drinking water. Under the bill, projects like these would be stopped in their tracks.

“It can happen anywhere, in Napa or Alameda County, when people come in and say, ‘We’re going to build 100 houses and we’re just going to create a new water district.’ We’re saying that we don’t want these itty-bitty water districts to be created,” he said.

Though the measure faced early opposition from the Association of California Water Agencies and the California Building Industry Association, both bodies ultimately conceded the fight. Gov. Brown has until the end of the month to sign the bill into law.

A safe drinking water study released last year by the State Water Board found that more than two-thirds of arsenic violations, and nearly 88 percent of nitrate violations, occurred in small water districts, forcing residents to pay high costs for water treatment or find replacement water. The vast majority of California’s water districts – 98 percent, according to the state water board’s measure – are doing their jobs properly. But even only 2 percent of districts violating water safety rules translates into unsafe conditions for thousands of people.

“It doesn’t matter how small a system is, [whether it’s serving] 1,500 or 3,000 people. At the end of the day, they’re delivering water to their community and there are greater efficiencies when you’re delivering through larger systems, and a greater margin of safety,” said George Kostyrko, the State Water Board’s communications director. “The challenge is daunting. A majority of water systems are meeting that challenge on a daily basis. But there’s that elusive 2 percent that are struggling to do that.”

The bill is receiving strong support from the environmental community, including the Natural Resources Defense Council, Sierra Club and California League of Conservation Voters. According to Jennifer Clary, Clean Water Action’s water program manager, economics are often the determining factor for communities seeking access not only to safe drinking water but to a tap that comes on reliably when you need it.

“California suburbs have grown and grown, in some cases around small neighborhoods with small systems, and many of those systems have only one or two wells. In this drought, thousands of wells have gone dry, and if your well goes dry, no one gets any water,” said Clary.

“A larger city has alternatives or the financial ability to dig a deeper well,” she added. But for the smaller districts looking at their bottom line, “even when state taxpayer dollars are available to help them take care of the problem, they still end up with these really high bills for operation and maintenance, and it can often run them off the rails.”

Legislation passed last year, under SB88, gave the state water board the authority to consolidate water districts in order to close the 2 percent gap. Now, officials say that stopping the proliferation of those small districts to begin with is an urgent and complementary goal. As Wieckowski puts it, the mission is “to fulfill our promise that everyone gets safe drinking water.”

**<https://www.newsdeeply.com/water/articles/2016/09/22/why-california-may-ban-new-small-water-agencies>**

# **New Law Helps Renters, Property Owners Save Water**

Submitted by Special to The Enterprise – September 28, 2016

A landmark measure by state Sen. Los Wolk, D-Davis, to require water meters and submeters in new apartment and other multi-family residential buildings, was signed into law Monday by Gov. Jerry Brown. The signing is the culmination of a four-year effort by Wolk to help renters and property owners conserve water.

Wolk's SB 7 requires owners of multi-unit rental properties constructed after Jan. 1, 2018, to provide residents with accurate information about the volume and cost of their water use through their own individual submeters. The bill also requires residents' water bills to be based on usage.

"Eighty percent of the 15.6 million Californians living in apartments or other multi-family housing are not billed for their water use, meaning nearly a third of the state's population doesn't know how much water they're using or how much they are charged based on their use," Wolk said.

"Given the extent of the drought and the need for greater water conservation in California, all of the state's residents should be armed with the knowledge of how much water they're using to help them reduce their water waste."

While current law requires installation of water meters for individual homes to measure water use, there is no requirement in state law for the metering or submetering of individual dwellings in an apartment building or other multi-family residential building.

"When a large part of our population — renters — do not receive a water bill, there is no incentive on their part to conserve," said Debra Carlton of the California Apartment Association, one of the bill's sponsors. "SB 7 will change that by mandating water submeters in all new apartment units, which will also help renters and property owners lower their water bills through reduced unnecessary water use."

A 2004 study by the U.S. Environmental Protection Agency found that submetering provided significant water savings, averaging 15.3 percent — or 21.8 gallons — per unit per day.

The legislation will not require existing buildings to install submeters for dwelling units. Additionally, the bill includes consumer protections that address the maintenance of submeters, billing for water service by property owners or third-party billers and notice and disclosures to renters.

**<http://www.davisenterprise.com/local-news/new-law-helps-renters-property-owners-save-water/>**

# **Governor Brown Signs Law Recognizing Forest Watersheds as Part of State's Water System**

By Pacific Forest Trust - September 28, 2016, 08:27:08 AM

SACRAMENTO, California September 27, 2016 – Governor Jerry Brown took a significant step today to preserve and maintain the key sources of the state's water supply. With his signature, Assembly Bill 2480 became law, requiring recognition of source watersheds – especially those that feed Shasta and Oroville reservoirs – as water system infrastructure and a critical component of California's water system.

These "source" watersheds provide the vast majority of the water for the State Water Project and Central Valley Project, supplying drinking water for over 28 million people, and providing irrigation for over 8 million of acres of farmland as well as 85% of the freshwater to San Francisco Bay. Those watersheds feeding the Oroville and Shasta reservoirs are predicted to remain wetter and cooler than other parts of the state as climate change continues, making them even more vital for our water security.

"The health of the land that surrounds California's rivers, lakes and streams is critical to a clean and reliable water supply," said Laurie Wayburn, President of Pacific Forest Trust, who sponsored the bill. "Regrettably, these lands have been degraded due to development, drought and other impacts of climate change, imperiling water security for millions of Californians."

Currently, California has policies and systems in place that maintain built water infrastructure such as dams, levees, and canals, but until now the state has had no mechanism for ensuring the function of natural water infrastructure, which is essential to providing clean, plentiful water. Watershed restoration and conservation can increase water quality and quantity, as well as improve flow regulation, both reducing peak flooding and holding water later into summer seasons.

"This law will make sure that the source of our water is treated just like other basic infrastructure that Californians depend on, such as roads, dams and power supplies," said Wayburn. "We can now move forward on putting a comprehensive system in place to restore and conserve these landscapes that are so critical to a safe and secure water supply."

Pacific Forest Trust sustains America's forests for all their public benefits of wood, water, wildlife, and people's wellbeing.

**<http://yubanet.com/regional/governor-brown-signs-law-recognizing-forest-watersheds-as-part-of-states-water-system/>**

# Another Dry Year on California's Books As "Drought Continues"

By Kurtis Alexander – Monday, October 3, 2016 at 2:21 PM

October is the time for optimism about water in California.

The forecasts start calling for rain as the coming winter offers hope of relief for the state's thirsty rivers and reservoirs. Just this weekend, parts of Northern California saw up to three quarters of an inch of rain, while the first big snow shut down Highway 120 in Yosemite.

Hydrologically speaking, Oct. 1 also marked the official start of the state water year. But as much as the milestone brought the prospect of drought-busting storms ahead, it highlighted the grim reality of the past 12 months.

State water officials last week described the 2016 water year, running from Oct. 1, 2015 to Sept. 30, as disappointingly "dry" — the fifth year of "meager precipitation" helping fuel the historic drought.

"Without hesitation, the assessment is that the drought continues and we continue to encourage conservation," said Doug Carlson, a spokesman for the state Department of Water Resources.

While the northern part of the state, where most of California's water supply comes from, saw above-average precipitation during the water year — about 116 percent — it wasn't enough to make up for previous deficits, nor help the much drier Southland.

Northern California remains about 15 percent below average for precipitation over the past five years, according to state data. Southern California is more than 50 percent below average.

Making matters worse, warmer-than-normal temperatures this past year meant more rain than snow, which doesn't bode well for water supplies. Snow in the Sierra serves as a natural reservoir that, if sufficiently built up, stretches through the summer when man-made reservoirs run dry.

It's important to note that California's hundreds of water agencies rely on different supply portfolios, putting each in distinctly different positions at the end of the water year. Most Bay Area suppliers have said they can weather at least three more dry years.

State regulators, meanwhile, have dropped mandatory conservation rules and are allowing local communities to determine whether they need to threaten sanctions.

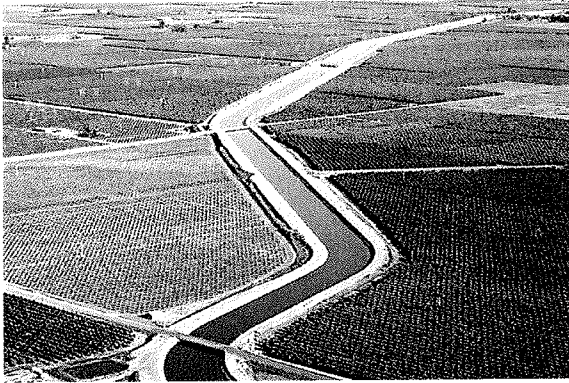
The prognosis for the coming water year remains far from certain. The development of La Niña conditions in the Pacific Ocean over the summer recently ceased, giving forecasters little clue on whether winter will be wet or dry.

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**<http://www.sfgate.com/bayarea/article/Another-dry-year-on-California-s-books-as-9639001.php>**

# Legislative Update: Six New California Laws Impacting Water

By Tara Lohan –October 4, 2016



The end of September meant both the end of the 2016 water year and a deadline for signing new legislation. In the past few weeks California Gov. Jerry Brown has signed a bevy of new bills into law, many of them addressing drought or water issues in the state.

Some affect water indirectly. Senate Bill (SB) 859, which establishes a Healthy Soils Program, is written to help build quality agricultural soil to increase carbon sequestration, but healthy soils also help retain more water. SB 1414 aims to help increase energy efficiency, which can also help save water.

Below are six other bills that address drought and water issues head on:

## **Senate Bill 552: Help for Failing Water Agencies**

The vast majority of California's water agencies deliver a safe and reliable supply of water, but some are failing to make the grade. SB 552, written by Sen. Lois Wolk, allows the State Water Resources Control Board to bring in an outside contractor to help struggling water agencies meet water standards.

"This bill will allow the Board to order a water system which is consistently failing to provide safe, clean and affordable drinking water to accept a contract administrator who will be able to immediately implement a number of measures to help ratepayers, and also to create a long-term sustainability plan for the system," said attorney Deborah Ores of the Community Water Center.

## **Senate Bill 1263: Banning Small Water Agencies**

This bill by Sen. Bob Wieckowski is another intended to protect drinking water. But it takes a different approach. Smaller water agencies tend to be more likely, because of limited resources, not to meet reliability or quality regulations, so to protect public health SB 1263 would ban the creation of new, small water districts.

"It aims to guarantee the safety and reliability of drinking water statewide by encouraging new developments to tie into existing water districts rather than create their own," Michael Levitin wrote for Water Deeply. "The measure would especially help low-income communities that cannot afford to pay for improved water quality, and could specifically impact Central Valley cities such as Merced, Bakersfield, Fresno and the rural regions around them that have seen innumerable small water agencies sprout up in recent decades to keep pace with population growth."

### **Senate Bill 814: Curbing Excessive Water Use**

Water guzzlers beware. SB 814, written by Sen. Jerry Hill, would require urban water agencies to define and discourage excessive water use during state-designated drought emergencies that require water restrictions. Agencies could use a rate structure or an excessive-use ordinance that would come with fines and possible drought-shaming.

“This legislation ensures that every urban retail water supplier has a tool to curb excessive water use by customers,” said Hill. “Households that guzzle water – while their neighbors and most other Californians abide by mandatory reductions – will no longer be able to hide and persist in their excess.”

### **Assembly Bill 1755: Water Data**

One of the biggest things to come out of California’s ongoing drought is a focus on better collection and sharing of water data. Assembly member Bill Dodd’s Assembly Bill 1755 takes a step in that direction with the creation of a platform to share water data.

According to the bill’s text, it would “create, operate and maintain a statewide integrated water data platform that, among other things, would integrate existing water and ecological data information from multiple databases and provide data on completed water transfers and exchanges.”

The integration of data would include information from the State Water Project and federal Central Valley project; streamflow conditions from the United States Geological Survey; fish abundance from California’s Department of Fish and Wildlife, as well as the U.S. Fish and Wildlife Service, the Forest Service and the National Oceanic and Atmospheric Administration; and information on water transfers and exchanges.

### **Assembly Bill 935: Irrigation Water for Users Friant-Kern Canal**

Assembly member Rudy Salas’ bill, AB 935, may help move 15,000–30,000 acre-feet (18.5–37 million cubic meters) of water a year to nine irrigation districts that compose the South Valley Water Association in the San Joaquin Valley.

The bill “authorizes \$7 million in state money to build pumps to move water north to about Terra Bella via reverse flow pump-back facilities still to be built,” the Fresno Bee reported. “Water would be pumped out of the lower San Joaquin River and into the California Aqueduct on the west side of the San Joaquin Valley, transported south to the Cross Valley Canal, then east to the Friant-Kern Canal.”

It’s not a done deal yet as money would need to be appropriated in next year’s budget.

### **Assembly B 2594: Capturing Stormwater**

Assembly member Rich Gordon’s AB 2594 helps move stormwater from nuisance to resource. The new law lets water agencies collect stormwater and then make the most of it – including reusing it, recharging groundwater with it, selling it or using it to boost water quality.

“For too long, clean, crisp storm water has been viewed as a problem. In reality, stormwater is a gift – a solution to drought,” said Gordon in a statement about his bill. “AB 2594 allows those that capture stormwater to use it.”

**<https://www.newsdeeply.com/water/articles/2016/10/04/legislative-update-six-new-california-laws-impacting-water>**