

Agenda
Sacramento Suburban Water District
Regular Board Meeting

3701 Marconi Avenue, Suite 100
Sacramento, California 95821

Monday, April 18, 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 March 21, 2016 Regular Board Meeting
Recommendation: Approve subject minutes.

2. Minutes of the April 1, 2016 Special Board Meeting
Recommendation: Approve subject minutes.
3. Resolution No. 16-07 Accepting Grant of Easement and Right of Way for 2200 Gramercy Drive
Recommendation: Adopt subject resolution.
4. Resolution No. 16-08 Accepting Grant of Easement and Right of Way for Trinity United Methodist Church at 2245 Highridge Drive
Recommendation: Adopt subject resolution.
5. Resolution No. 16-09 Accepting Grant of Easement and Right of Way for Mallard Creek Apartments at 2724 Elvyra Way
Recommendation: Adopt subject resolution.
6. Resolution No. 16-10 Calling for the November 8, 2016 District Election
Recommendation: Adopt subject resolution.
7. Strategic Plan (PL - BOD 001)
Recommendation: Adopt subject policy.
8. Disposing of Surplus District Real Property, Vehicles and Large Equipment and Other Personal Property Policy (PL - Adm 003)
Recommendation: Adopt subject policy.

Items for Discussion and Action

9. Resolution No. 16-11 to Request Recission of the Emergency Conservation Regulation
Receive written staff report and direct staff as appropriate.
10. Urban Water Management Plan – Request for Public Hearing on May 16, 2016
Receive written staff report and direct staff as appropriate.
11. Acquisition of Property at Bainbridge/Holmes Well (#59A) Site
Receive written staff report and direct staff as appropriate.
12. Status of the San Juan Water District Reorganization Discussion
Receive written staff report and direct staff as appropriate.
13. Drought Tolerant Garden – Fulton/El Camino Parks and Recreation District
Receive written staff report and direct staff as appropriate.

Information Items

14. Water Conservation and Regional Water Efficiency Program Report
 - a. Drought Report
 - b. Summary of Activities During March 2016
 - c. Water Conservation Program and Results
 - d. Upcoming Events
15. District Activity Reports
 - a. Water Operations and Exceptions Report
 - b. Customer Service Report
 - c. Community Outreach Report
16. 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
17. Financial Report
 - a. Draft Financial Statements – March 2016
 - b. Draft Investments Outstanding and Activity – March 2016
 - c. Draft Cash Expenditures – March 2016

- d. Draft Credit Card Expenditures – March 2016
 - e. Draft Directors Compensation and Expense Accounting – Through March 2016
 - f. Draft Market Report Yields – March 2010 through March 2016
 - g. Draft District Reserve Balances – March 2016
 - h. Information Required by Bond Agreement
18. Financial Markets Quarterly Report
 19. Year-to-Date Interest Expense Quarterly Report
 20. Human Resources Quarterly Report
 21. CIP Projects Quarterly Report
 22. 2015 Main Replacement Projects - Customer Comments
 23. Foundation for Cross-Connection Control and Hydraulic Research Laboratory Letter
 24. Increase in Rebate Amounts
 25. Board Packet Preparation Process
 26. California Urban Water Conservation Council Coverage Reports (BMPs)
 27. Charges for Non-Project Use of Excess Capacity in Bureau of Reclamation Facilities
 28. Legislative and Regulatory Update
 29. General Manager's Report
 - a. McClellan Restoration Advisory Board (RAB) Meeting Update
 - b. Continuous Flow Report
 - c. Well 32A Landscape Improvement Conceptual Plan
 - d. Employee Recruitment, Hiring and Promotion Policy (PL – HR 009)
 - e. Upcoming Customer Service Vacancy

- 30. Upcoming Policy Review
 - a. Information Technology/Disaster Recovery Policy (PL – IT 004)
 - b. Purchasing Card Policy (PL – Fin 006)
- 31. Upcoming Water Industry Events

Committee Reports

- 32. a. Facilities and Operations Committee (Director Locke)
Notes from the April 1, 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)
Notes from the March 25, 2016 Meeting.

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

- 33. a. Regional Water Authority (Director Thomas)
No report.

Regional Water Authority Executive Committee (General Manager Roscoe)
Agenda from the March 23, 2016 Meeting.
- b. Sacramento Groundwater Authority (Director Schild)
Agenda from the April 14, 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
No report.

d. Other Reports

Miscellaneous Correspondence and General Information

- 34. Correspondence received by the District
- 35. 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)

- 36. Conference with Board Negotiating Committee (Director Thomas) Involving the General Manager Under Government Code Sections 54954.5(f) and 54957.6.

Adjournment

Upcoming Meetings

Friday, April 29, 2016 at 3:00 p.m., Finance and Audit Committee Meeting
Monday, May 16, 2016 at 6:30 p.m., Regular Board Meeting

I certify that the foregoing agenda for the April 18, 2016 meeting of the Sacramento Suburban Water District Board of Directors was posted by April 14, 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.

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



Agenda Item: 16

Date: April 4, 2016
Subject: Engineering Report
Staff Contact: 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

The District's contractor, Koch & Koch, has completed construction of the new CMU block wall along the west boundary of the site. They have also completed installation of numerous electrical conduits that stub up inside the new building. In addition, concrete has been poured for the building foundation, the well pump pedestal, and the engine generator pad. Koch & Koch is now installing rebar and formwork for the building's floor slab which will be poured during the week of April 4th. After the floor slab is constructed, they will begin installing CMU block for the walls of the building. In the next two weeks they will also be installing the new natural gas service line for the engine generator.

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. Well rehabilitation work will be performed at the same time. The District's engineer, Luhdorff & Scalmanini, has completed the final plans and specifications for this project and they are currently being reviewed by District staff. The project will be placed out to bid in April. New water line valves and connection to the site were completed in March.
- Well #3A, Kubel/Armstrong – Due to pulling the pump, and per Department of Drinking Water (DDW) regulations, the District was required to raise the pump pedestal a minimum of 18" prior to installing a new pump. The pedestal has now

been raised. A pump test will be conducted during the week of April 4th to properly size the new pump and motor.

- Well #59A, Bainbridge/Holmes – All work associated with installation of the new 300-hp water-lubricated line-shaft pump/motor has been completed by Loewen Pump. Pump-to-waste flushing and final water quality sampling will be completed the week of April 4th. The sound enclosure will then be installed and the well is expected to be placed back into service the week of April 18th.
- Well #N15, Cabana – This well has recently seen concentrations of Trichloroethylene (TCE) at levels above the maximum contaminant level (MCL). Contamination migrated only into the shallow aquifer from an unidentified source. Under their existing master service contract with the District, Wood Rodgers has been asked to investigate this well and make a recommendation on possible rehabilitation and/or wellhead treatment.

Verner Well Manganese Treatment Project

District staff has 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. There is also discussion of backwash flow requirements, options to use the well to supply backwash flow, and a comparison of cost and operational complexity. The memo recommends that the District proceed with the use of “Green Sand” technology and four vertical pressure filters. Note that Green Sand is currently the treatment method in use at the District’s two existing manganese treatment facilities. A meeting/workshop will now be scheduled to make key design decisions before Luhdorff & Scalmanini proceeds with design. This site is large and future plans may include up to two additional groundwater wells and a storage reservoir.

Replacement Palm Well (#N6A)

The existing well has been found to have casing failure, and rather than invest additional resources in this 55-year old well, staff recommends drilling a replacement well. After interviewing the two highest rates firms, Luhdorff & Scalmanini Consulting Engineers (LSCE) and Wood Rodgers, from the proposal review process, the selection committee recommended hiring LSCE. The General Manager concurred with the committee’s recommendation. A scoping/contract negotiation meeting was held with LSCE representatives on March 30th to address some needed modifications to their scope of work (both additions and deletions). Luhdorff will have a final revised scope of work and fee estimate to the District during the week of April 4th. Upon approval of the revised scope and fee, the District will then enter into a contract with LSCE. It is anticipated that the new well will be constructed and online by July 2017.

ii. Distribution

Easements Needed from Fulton-El Camino Recreation and Park District (FECRPD)
District staff is continuing to work with management staff from FECRPD regarding acquisition of separate pipeline easements.

Drayton Heights Phase 2 Main Replacement Project

The construction phase is underway with existing utility identification and pipeline alignment verification. Veerkamp has completed main line pipe installation in the first construction phase. GM Construction has been issued a Notice to Proceed to install over 300 services and will begin work the week of April 11th. The project is currently on schedule.

Eastern-Rand Waterline Extension Project

The project is complete except for final paving which is scheduled to be completed when weather conditions are acceptable.

Watt Avenue at Magpie Creek Mainline Connection Project

The project is complete except for final paving which is to be completed when weather conditions are acceptable. It is anticipated that the paving work will be completed no later than May 31, 2016.

Brightwood Waterline Extension Project

Tetra Tech will complete final asphalt restoration once temperatures are found acceptable by the County of Sacramento.

Pasadena Waterline Connection Project

Tetra Tech has completed all tasks with the exception of final asphalt paving which is anticipated to be completed by May 31, 2016, when temperatures are found acceptable by the County of Sacramento.

Edison Meadows Main Replacement Project

Domenichelli & Associates (D&A) has been selected to complete final design for this main replacement project. The project is located between Whitney Avenue and Edison Avenue and between Watt Avenue and Mira Loma High School. 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.

Area 56 Main Replacement Project

Area West has been selected as the consultant to complete the design for this main replacement project scheduled for construction in late 2017. The project is located between Marconi Avenue and North Avenue and between Eastern Avenue and Mission Avenue.

2016 Meter Retrofit WaterSMART Grant Project

The District's contractor, Flowline Contractors, Inc. (Flowline), is well underway in completing the project. Construction work began on January 8, 2016. As of the end of March, 323 services have been retrofitted with meters and a total of \$361,203 has been spent on the project. Flowline's contract is for \$1,154,763 for the installation of a total of 896 meters.

2016 Meter Retrofit CalFED Grant Project

Flowline has been awarded the contract in the amount of \$772,656. A Notice to Proceed has been issued to Flowline. A total of 614 meters are scheduled to be installed with this project. Flowline will begin this project in May.

iii. Other Projects

There is nothing to report this month.

B. County and City Projects/Coordination

County of Sacramento – Fulton Avenue Overlay Project

The District's contractor, Tetra Tech, has raised 53 valve boxes and is waiting for warmer weather to place permanent pavement around the valve boxes.

County of Sacramento – Marconi, El Camino and Eastern Avenue Overlay Project

The County will be paving sections of Marconi Avenue, El Camino Avenue and Eastern Avenue. The District has a total of 65 water valves within the project limits. The District's contractor will need to lower 24 of the valve boxes/covers and eventually raise all 65 valve boxes/covers once the County paves the roads. District staff will first attempt at entering into a contract with the County's paving contractor. If that is unsuccessful, the District will utilize one of the contractors from the current Water Services Agreement.

C. McClellan Business Park

There is nothing new to report this month.

D. Groundwater Quality Projects

Local Groundwater Assistance Grant Project

Partial grant funding was previously received to construct two groundwater monitoring wells and to perform related tasks (groundwater sampling, water quality testing, etc.). At

the March Board Meeting, the Board approved awarding a contract to Roadrunner Drilling & Pump Company for the construction of the two groundwater monitoring wells consistent with the project definition and the District's Local Groundwater Assistance (LSA) grant. The contract amount with Roadrunner Drilling is \$193,128. Notice of Award was provided to Roadrunner on March 24, 2016, along with two contracts. Bonds and insurance documentation and signed contracts have been received from Roadrunner and are currently under review. Per the plans and specifications, Roadrunner is required to obtain the necessary well drilling permits from the County of Sacramento. The permits have been applied for but it may take a couple of weeks for the permits to be issued. Therefore, the Notice to Proceed date is still to be determined. The groundwater monitoring well at the Eden/Root Well site will be constructed first followed by the monitoring well at the Winston Churchill Middle School.

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 19 projects approved by the District, 15 of which have started or are under construction, and 6 that are scheduled, but have not provided the required deliverables prior to start of construction.

During the month of March, the following projects were approved for construction:

- **4640 North Avenue**

This project is located in the South Service Area, Division 4, of the District's service area. The project is the construction of a single family home. One new domestic water service will be installed.

- **Grammercy & Cottage**

This project is located in the South Service Area, Division 5, of the District's service area. The project is the construction of five single family homes. Five new domestic water services will be installed.

- **McClellan Business Park**

This project is located in the North Service Area, Division 2, of the District's service area. The project entails abandoning and relocating services to allow for remediation of contaminated soils at the former base.

Total fees collected for CY 2016 are approximately \$89,589, of which Facilities Development Charges accounted for approximately \$62,370.

F. Planning Studies

Urban Water Management Plan

The District's consultant, Brown and Caldwell (B&C) is making significant progress on the 2015 UWMP. An administrative draft UWMP report was submitted to the District on April 1st for review and comments. Comments will be returned to B&C in the next two weeks. A final draft report is scheduled to be completed by April 29th for both Board and public review. A public hearing is expected at the May Board Meeting to formally receive public comments.

Water Master Plan Update

The District's consultant, Brown and Caldwell (B&C) continues to make progress on the master plan update.. They have completed a Long Term Well Plan and conducted a workshop with District staff. B&C has also completed the water demand analysis and they are in the process of completing the infrastructure analysis and an evaluation of future water supply needs. A Draft Technical Memo on the water demand analysis has been provided to District staff for review and comment. B&C is also coordinating with District staff to schedule a workshop in early April to discuss the asset management plan review task and level of service goals for the District. They attended the Facilities and Operations (F&O) Committee Meeting on April 1st and provided the committee with an update on their progress to date.

G. Other

Joint Meeting between Fire Agencies/Water Purveyors Re: Fire Sprinkler System Service Connection Requirements

On March 23, 2016, Associate Engineer, David Espinoza attended the subject meeting. This was the third in a series of meetings being organized between local fire agencies and local water purveyors. The purpose of these meetings are to discuss current practices and operating pressures as they relate to fire sprinkler system designs. The fire agencies and water purveyors are attempting to come to a consensus on water purveyor cross contamination prevention requirements as well as operating pressures. The next meeting is scheduled for late April/early May.



Agenda Item: 17

Date: April 8, 2016
Subject: Financial Report
Staff Contact: Daniel A. Bills, Finance Director

Eight reports are attached for your information. They are:

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

Financial Statements

These Financial Statements and certain other reports noted above and below are presented in Draft form and should not be relied upon for investment or other decision making purposes. As December 31 is the District’s year-end for financial reporting purposes, amounts presented in this report will remain “Draft” until the external auditor’s financial audit is complete and the Board accepts the audited 2015 annual report (CAFR). The results of the audit and the CAFR are expected to be complete and brought to the Board at the May Board meeting.

DRAFT - Balance Sheet:

District cash and cash equivalents increased to \$4.9 million as of March 31, 2016, up from \$3.1 million at December 31, 2015. Cash held in the District’s bank accounts (\$4.1 million as of March 29) 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 anytime.

Investments increased since year-end 2015 by \$0.5 million to a total of \$37.7 million, reflecting net unrealized market value gains and the reinvestment of interest received.

Capital assets grew \$1.6 at \$430.5 million as of March 31, 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 \$227.6 million as of March 31, 2016, compared to \$225.4 million at year-end 2015 for an increase of \$2.2 million.

DRAFT - Income Statement:

The net position increase of \$2.2 million in 2016, when compared to \$2.0 million for the same year-to-date period in 2015, shows:

1. Operating revenue increased by \$0.3 million in line with the 4 percent rate increase that took effect at the beginning of 2016.
2. Operating expenses increased by \$0.2 million due primarily to the purchase of surface water in the North Service Area as a result of the near normal precipitation this past winter.
3. Interest expense decreased by \$0.1 million compared to the same period a year ago, but rates are on the rise due to Federal Reserve actions and market conditions.
4. Interest and Investment income increased by \$0.2 million, while Facility Development Charges decreased by \$0.2 million compared to the same period a year ago.

DRAFT - Budgets:

The District’s operating and maintenance expenditures through March 2016 are less than the amended budget by \$1.0 million. Most of this positive variance is due to lower water production relative to that expected in the budget as customer demand is down compared to this time last year.

Operating capital project expenditures in March were minimal. To date only \$29,299 has been spent. The total budget for the year is \$1.1 million.

The District’s capital improvement project (CIP) budget for 2016 is \$18.4 million. To date, \$1.6 million has been spent, while \$12.3 million is encumbered. Expenditures continue to be primarily in distribution system replacements, well improvements/replacements and meter retrofit projects.

Debt – March 2016

This report shows District activity in repaying its long-term debt obligations. Scheduled principal payments for 2016 are not due until October. Total principal outstanding as of March 31, 2016 is \$89.6 million.

Investments Outstanding and Activity – March 2016

Reserve funds are invested in diverse investments that consist of corporate notes, Federal Agency bonds and discount notes, U.S. Treasury bonds, notes and bills, commercial paper, municipal bonds, negotiable certificates of deposit 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 1.35% per annum, while LAIF is earning 0.47% 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 two US Treasury Notes for \$1.2 million (par), one Certificate of Deposit for \$0.8 million (par), and one Asset-Backed Security \$70,000 (par). The District sold three US Treasury Notes for \$1.1 million (par), and one Federal Agency Note for \$0.8 million (par). The District received paydowns of principal on three Federal Agency Collateralized Mortgage Obligations of \$1,306 (par) and three Asset-Backed Security Obligations for \$65,742 (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 – March 2016

During the month of March, the District made cash payments totaling \$2.2 million. The primary expenditures were – \$0.6 million for capital improvement projects, \$0.3 million for capital improvement and operating and maintenance inventory supplies, \$0.1 million for water costs including pumping and chemical costs, \$0.1 million for debt service, \$0.5 million for payroll, pension and health benefits and \$0.1 million for engineering and IT consulting and audit services.

Purchasing Card Expenditures – March 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 \$9,437 for various purchases on the six District purchasing cards. Details by vendor and purpose are included in this report.

Directors Compensation and Expense Accounting – March 2016

Director meetings attended during the month of March 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. Director's 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 – March 2010 through March 2016

The first page in this report shows current market rate data. The overall yield curve decreased compared to the prior month. The yield on 30-year Treasury Bonds decreased by 9 basis points compared to the prior month to 2.56% and short-term rate decreased by 8 bps to 0.22%. 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 2.54% while the short-term rate was at 0.02%. The Federal Reserve Target Rate increased by 25 basis points to 0.50% 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 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.

DRAFT - 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 March 31, 2016 are \$46,078,757 compared to \$43,839,120 at December 31, 2015.

DRAFT - 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.

DRAFT
Financial Statements
March 31, 2016

Sacramento Suburban Water District
Balance Sheet

	As Of	March	December
		<u>2016</u>	<u>FY 2015</u>
ASSETS			
CURRENT ASSETS			
Cash and cash equivalents		\$4,874,178.90	\$3,107,756.76
Restricted Cash and cash equivalents		3,454.92	16,646.54
Accounts receivable, net of allowance for uncollectible accounts		1,793,372.72	2,303,487.73
Interest receivable		125,335.66	119,499.25
Restricted Interest receivable		8,054.55	10,807.97
Grants receivables		238,325.47	238,325.47
Other receivables			637,224.83
Inventory		516,327.65	484,946.83
Prepaid expenses and other assets		831,786.11	471,311.05
TOTAL CURRENT ASSETS		<u>8,390,835.98</u>	<u>7,390,006.43</u>
NONCURRENT ASSETS			
Investments		37,662,360.34	37,206,112.72
Restricted Investments		3,530,707.96	3,495,980.65
TOTAL NONCURRENT ASSETS		<u>41,193,068.30</u>	<u>40,702,093.37</u>
Property, plant and equipment		430,514,485.57	428,897,522.75
Accumulated depreciation		<u>(151,873,791.42)</u>	<u>(149,076,072.93)</u>
TOTAL CAPITAL ASSETS		<u>278,640,694.15</u>	<u>279,821,449.82</u>
TOTAL ASSETS		<u>328,224,598.43</u>	<u>327,913,549.62</u>
DEFERRED OUTFLOWS OF RESOURCES			
Deferred amount on long-term debt refunding		7,803,557.09	7,964,338.07
Deferred outflow of effective swaps		765,224.00	765,224.00
Pension contribution subsequent to measurement date		521,460.00	521,460.00
TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES		<u>337,314,839.52</u>	<u>337,164,571.69</u>
LIABILITIES			
CURRENT LIABILITIES			
Current portion of long-term debt and capital leases		3,945,000.00	3,945,000.00
Accounts payable		344,408.43	2,341,285.19
Accrued interest		934,885.51	427,131.48
Deferred revenue and other liabilities		723,611.58	666,050.73
Accrued expenses		34,795.10	503,876.74
TOTAL CURRENT LIABILITIES		<u>5,982,700.62</u>	<u>7,883,344.14</u>
NONCURRENT LIABILITIES			
Long-term debt		94,987,641.58	95,148,711.88
Compensated absences		1,040,632.89	1,003,877.70
Net pension liability		5,061,703.00	5,061,703.00
Fair value of interest rate swaps		765,224.00	765,224.00
TOTAL NONCURRENT LIABILITIES		<u>101,855,201.47</u>	<u>101,979,516.58</u>
TOTAL LIABILITIES		<u>107,837,902.09</u>	<u>109,862,860.72</u>
DEFERRED INFLOWS OF RESOURCES			
Employee pensions		1,880,219.00	1,880,219.00
NET POSITION			
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		35,381,207.26	33,205,980.80
TOTAL NET POSITION		<u>227,596,718.43</u>	<u>225,421,491.97</u>
TOTAL LIABILITIES, DEFERRED INFLOWS AND NET POSITION		<u>337,314,839.52</u>	<u>337,164,571.69</u>

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

	Month 3/31/2016	Year-To-Date 3/31/2016	Month 3/31/2015	Year-To-Date 3/31/2015
OPERATING REVENUES				
Water consumption sales	\$569,668.06	\$1,490,769.06	\$435,921.38	\$1,399,183.38
Water service charge	533,062.13	1,542,352.14	537,861.69	1,546,004.61
Capital facilities charge	1,880,274.37	5,352,745.43	1,802,180.17	5,121,222.34
Wheeling water charge	378.40	931.96	366.24	1,115.40
Other charges for services	71,404.96	240,474.99	78,260.47	266,044.85
TOTAL OPERATING REVENUES	3,054,787.92	8,627,273.58	2,854,589.95	8,333,570.58
OPERATING EXPENSES				
Source of supply	244,587.58	251,454.40	4,029.28	12,087.84
Pumping	309,791.37	814,531.99	467,668.52	934,647.35
Transmission and distribution	282,780.65	665,066.28	205,906.44	582,849.75
Water conservation	24,467.35	74,939.73	39,688.95	77,292.42
Customer accounts	77,627.95	235,744.26	104,385.65	251,649.30
Administrative and general	428,264.73	1,343,400.24	444,435.86	1,298,410.68
TOTAL OPERATING EXPENSES	1,367,519.63	3,385,136.90	1,266,114.70	3,156,937.34
Operating income before depreciation	1,687,268.29	5,242,136.68	1,588,475.25	5,176,633.24
Depreciation and amortization	(932,572.83)	(2,797,718.49)	(946,717.75)	(2,842,831.99)
OPERATING INCOME	754,695.46	2,444,418.19	641,757.50	2,333,801.25
NON-OPERATING REV. (EXP.)				
Rental income	19,322.56	65,983.96	26,974.09	65,435.74
Interest and investment income	169,186.20	490,726.64	119,643.14	336,661.52
Interest expense	(331,256.05)	(891,708.36)	(361,525.68)	(965,587.55)
Other non-operating revenues	3,170.36	3,429.27	(93.15)	17,624.23
Grant revenue pass-through to sub recipients	88,603.00	88,603.00		
Other non-operating expenses	5.43	6.76	(100.09)	(98.12)
Sub recipient grant expenses	(88,603.00)	(88,603.00)		
Gain(loss) on disposal of capital assets			6251.53	6,251.53
NON-OPERATING REV. (EXP.)	(139,571.50)	(331,561.73)	(208,850.16)	(539,712.65)
NET INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	615,123.96	2,112,856.46	432,907.34	1,794,088.60
CAPITAL CONTRIBUTIONS				
Facility development charges	31,162.00	62,370.00	207,880.00	207,880.00
Federal, state and local capital grants			7,839.00	8,464.00
TOTAL CAPITAL CONTRIBUTIONS	31,162.00	62,370.00	215,719.00	216,344.00
CHANGE IN NET POSITION	646,285.96	2,175,226.46	648,626.34	2,010,432.60
Net position at beginning of period	226,950,432.47	225,421,491.97	221,683,731.84	220,321,925.58
NET POSITION AT END OF PERIOD	227,596,718.43	227,596,718.43	222,332,358.18	222,332,358.18

Sacramento Suburban Water District
Operations and Maintenance Budget
Period Ended

	Month Of March			2016 YTD		
	Actual	Budget	Variance	Actual	Budget	Variance
BUDGETED OPERATING EXPENSES						
Board of Directors	\$2,598.00	\$2,788.71	\$190.71	\$8,465.84	\$14,966.13	\$6,500.29
Administrative	106,087.67	163,758.28	57,670.61	402,944.83	497,394.84	94,450.01
Finance	100,588.25	111,257.47	10,669.22	214,019.54	268,572.41	54,552.87
Customer Services	77,627.95	102,262.88	24,634.93	235,744.26	306,788.64	71,044.38
Field Operations	24,770.56	34,067.85	9,297.29	67,447.30	102,203.55	34,756.25
Production	554,378.95	679,958.81	125,579.86	1,065,986.39	1,514,726.42	448,740.03
Distribution	173,108.75	144,578.65	(28,530.10)	390,543.07	433,735.95	43,192.88
Field Services	109,671.90	94,772.28	(14,899.62)	274,523.21	284,636.84	10,113.63
Maintenance	57,186.18	51,829.20	(5,356.98)	135,210.82	155,487.60	20,276.78
Water Conservation	24,467.35	60,661.48	36,194.13	74,939.73	181,984.44	107,044.71
Engineering	64,990.79	92,554.42	27,563.63	177,876.63	277,843.26	99,966.63
GIS/CAD	24,748.45	28,433.59	3,685.14	68,057.76	85,300.77	17,243.01
Human Resources	12,118.43	11,831.32	(287.11)	36,365.79	75,893.96	39,528.17
MIS	35,176.40	58,251.61	23,075.21	233,011.73	248,368.83	15,357.10
TOTAL OPERATING EXPENSES	1,367,519.63	1,637,006.55	269,486.92	3,385,136.90	4,447,903.64	1,062,766.74

SACRAMENTO SUBURBAN WATER DISTRICT
 OPERATING CAPITAL AMENDED BUDGET
 3/31/2016

Project Number	Project Name	Original Budget	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	\$ 66.63	\$ 66.63	\$ 41,933.37	\$ -
SF16-345	UPDATE WATER SYS MASTER PLAN	\$73,000.00	\$73,000.00	8,693.92	8,693.92	51,847.08	12,459.00
SF16-371	OFFICE FURNITURE SUITE 200	\$5,000.00	\$5,000.00	-	-	565.00	4,435.00
SF16-372	OFFICE FURNITURE WALNUT	\$10,000.00	\$10,000.00	1,035.84	7,831.32	933.35	1,235.33
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	-	-	-	45,000.00
SF16-375	VEH REPL/ RIGHT SIZE TRUCK#32	\$124,000.00	\$124,000.00	-	-	-	124,000.00
SF16-376	VEH REPL-TRUCK# 26	\$33,500.00	\$33,500.00	-	-	-	33,500.00
SF16-377	VEH REPL/RIGHT SIZE -TRUCK# 13	\$33,500.00	\$33,500.00	-	-	-	33,500.00
SF16-378	ASPHALT REPAIR/REPL-WELL SITES	\$35,500.00	\$35,500.00	-	-	-	35,500.00
SF16-379	PROD METERS REPL/MAGMETERS	\$15,000.00	\$15,000.00	-	-	-	15,000.00
SF16-380	NOMAD 360/AREA SPOTET LIGHT	\$4,000.00	\$4,000.00	-	-	-	4,000.00
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	-	-	-	45,000.00
SF16-383	REMODEL CUSTOMER SERV AREA	\$35,000.00	\$35,000.00	-	-	-	35,000.00
SF16-384	REPL EXT/GARAGE LIGHTING-LED	\$20,000.00	\$20,000.00	8,067.34	8,067.34	-	11,932.66
SF16-385	INSTL 5 CAMERAS @ WALNUT	\$20,000.00	\$20,000.00	-	-	-	20,000.00
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	-	-	-	30,000.00
SF16-388	BUILD & STRUCTURES MAINTENANCE	\$95,000.00	\$95,000.00	-	-	-	95,000.00
SF16-389	HARDWARE REFRESH	\$170,000.00	\$170,000.00	-	-	-	170,000.00
SF16-390	SOFTWARE ENHANCEMENTS/MODULES	\$115,000.00	\$115,000.00	4,640.00	4,640.00	-	110,360.00
SF16-391	TRIMBLE HANHELD COMPUTR-FIELD	\$6,000.00	\$6,000.00	-	-	-	6,000.00
SF16-392	WEB SITE UPGRADE	\$35,000.00	\$35,000.00	-	-	-	35,000.00
SF16-393	GPS ASSET LOCATION PROJECT	\$75,000.00	\$75,000.00	-	-	-	75,000.00
		\$ 1,088,000.00	\$ 1,088,000.00	\$ 22,503.73	\$ 29,299.21	\$ 95,278.80	\$ 963,421.99

**Sacramento Suburban Water District
Capital Improvement Project Amended Budget
3/31/2016**

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	\$50,000.00	6,198.33	6,198.33	43,801.67	\$ -
SC16-009	WELL REHAB/PUMP ST IMPROVEMENT	\$890,000.00	890,000.00	\$76,984.34	156,934.34	344,456.16	388,609.50
SC16-010	SCADA RTU/COMMUN IMPROVEMENT	\$200,000.00	200,000.00		1,627.50	59,601.50	138,771.00
SC16-011	WELLHEAD TREATMENT/CHEM FEED	\$370,000.00	370,000.00	6,691.00	29,577.90	5,422.10	335,000.00
SC16-012	WELL REPLACEMENTS	\$2,600,000.00	2,600,000.00	198,604.91	215,818.50	1,838,406.50	545,775.00
SC16-013	ELEC ARC FLASH MOD @ WELL SITES	\$330,000.00	330,000.00		7,152.00	142,800.00	180,048.00
SC16-018	DISTRIBUTION MAIN REPLACEMENTS	\$8,420,000.00	8,420,000.00	608,765.50	744,487.22	7,573,791.98	101,720.80
SC16-019	DIST MAIN IMPRV/EXT/INTERTIES	\$775,000.00	775,000.00	31,457.20	43,379.10	337,989.90	393,631.00
SC16-022	LOWERING/RAISING VALVE BOXES	\$150,000.00	150,000.00		-		150,000.00
SC16-024	METER RETROFIT PROGRAM	\$1,900,000.00	1,900,000.00	117,797.92	212,588.12	1,677,585.20	9,826.68
SC16-024A	VOLUNTARY METER RETROFIT PROGRAM	\$75,000.00	75,000.00		3,379.92	1,850.00	69,770.08
SC16-027	DISTRIB MAJOR REPAIRS	\$350,000.00	350,000.00	73,236.00	94,211.49	3,400.51	252,388.00
SC16-028	DISTRIB SYSTEM IMPRV	\$375,000.00	375,000.00	20,550.00	23,459.75	9,500.25	342,040.00
SC16-034	RESERVIOR/TANK IMPROVMENT	\$200,000.00	200,000.00		8,874.54	50,247.46	140,878.00
SC16-034A	CORROSION CONTRL/TRANSMISSION MAINT	\$450,000.00	450,000.00	6,225.00	6,225.00		443,775.00
SC16-035	PROFESSIONAL/SPECIAL PROJ	\$100,000.00	100,000.00	19,720.00	28,337.50	29,835.00	41,827.50
SC16-038	LARGE WTR METER >3" REPL	\$140,000.00	140,000.00	8,400.00			131,600.00
SC16-039	FIRE HYDRANT REPL/REHAB/ADD	\$200,000.00	200,000.00		-	8,686.00	191,314.00
SC16-040	ENGINE GENERATOR COMPLIANCE	\$75,000.00	75,000.00		-		75,000.00
SC16-042	METER REPLACE/REPAIR - WMP	\$658,000.00	558,000.00		-	189,589.00	368,411.00
SC16-044	CAPITAL IMPRV CTP(SJWD AGREEMENT)	\$7,000.00	7,000.00		-		7,000.00
SC16-045	ENTERPRISE INTERTIE IMPROVEMENT	\$180,000.00	180,000.00		-		180,000.00
Totals SSWD		\$ 18,395,000.00	\$ 18,395,000.00	\$ 1,167,230.20	\$ 1,590,651.21	\$ 12,316,963.23	\$ 4,487,385.56

**Sacramento Suburban Water District
Debt
3/31/2016**

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
March 2016**

SACRAMENTO SUBURBAN WATER DISTRICT
INVESTMENTS OUTSTANDING - OPERATING FUND

Detail of Securities Held:

SECURITY TYPE	CUSIP	DESCRIPTION	PAR	COUPON	MATURITY DATE	S&P	TRADE DATE	SETTLE DATE	ORIGINAL COST	YTM AT COST	ACCRUED INTEREST	MARK - TO-MARKET	MARKET VALUE
CORPORATE NOTE													
PFM	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	(2,056.60)	332,930.90
PFM	24422ESN0	JOHN DEERE CAPITAL CORP NOTES	670,000.00	1.125	6/12/2017	A	6/12/2014	6/12/2014	669,683.10	1.14	2,282.19	1,384.22	671,069.32
PFM	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	332.63	289,891.83
PFM	14912LGD8	CATERPILLAR FINANCIAL SE	440,000.00	1.250	8/18/2014	A	8/13/2014	8/30/2014	439,780.00	1.27	656.94	1,503.24	441,373.24
PFM	0258A0DR7	AMERICAN EXPRESS CREDIT CORP NOTES	215,000.00	1.550	9/22/2014	A-	6/18/2014	9/23/2014	214,711.90	1.60	83.31	973.31	215,685.21
PFM	166764AA8	CHERVON CORP (CALLABLE) GLOBAL NOTES	150,000.00	1.104	12/5/2017	AA	1/29/2012	12/5/2012	150,811.50	0.99	533.60	(1,071.30)	149,740.20
PFM	166764AA8	CHERVON CORP (CALLABLE) GLOBAL NOTES	220,000.00	1.104	12/5/2017	AA	1/28/2012	12/5/2012	220,000.00	1.10	782.61	(381.04)	219,618.96
PFM	439200HK0	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	4,653.58	487,432.28
PFM	084664BH0	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	5,614.88	529,885.13
PFM	30231GAL6	BANK OF NEW YORK MELLON (CALLABLE) NOTE	400,000.00	1.350	3/6/2018	A+	3/4/2013	3/6/2013	399,884.00	1.36	375.00	678.80	400,562.80
PFM	30965G6W9	GENERAL ELEC DAP CORP GLOBAL NOTES	500,000.00	1.625	4/2/2018	AA+	4/10/2013	4/15/2013	501,283.00	1.57	4,039.93	4,867.00	506,152.00
PFM	057833A19	APPLE INC GLOBAL NOTES	475,000.00	1.000	5/5/2018	AA+	4/30/2013	5/3/2013	473,247.25	1.08	1,952.78	2,751.73	475,978.98
PFM	064068DB2	BANK OF NEW YORK MELLON CORP	400,000.00	1.600	5/5/2018	A+	5/22/2013	5/29/2013	399,964.00	1.60	2,293.33	3,046.80	402,018.80
PFM	166764AE0	CHERVON CORP GLOBAL NOTES	680,000.00	1.718	6/24/2018	AA	6/17/2013	6/24/2013	680,000.00	1.72	3,147.76	6,435.52	686,435.52
PFM	172758AR3	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	7,257.38	385,819.88
PFM	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	20,124.80	818,644.80
PFM	46625HKA7	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	7,555.00	505,955.00
PFM	94974BGF1	WELLS FARGO & COMPANY	400,000.00	2.150	1/30/2020	A+	2/22/2015	2/5/2015	402,796.00	2.00	1,457.22	1,874.80	404,670.80
PFM	8923GTCF0	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	3,178.50	255,398.50
PFM	002824AZ3	ABBOTT LABORATORIES	550,000.00	2.000	3/15/2020	A+	3/24/2015	3/27/2015	553,635.50	1.86	488.89	4,159.65	557,795.15
PFM	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	5,724.00	307,215.00
PFM	94974BGM6	WELLS FARGO & COMPANY NOTES	375,000.00	2.600	7/22/2020	A+	9/1/2012	9/4/2015	373,103.75	2.48	1,868.25	6,626.63	383,730.38
			10,150,000.00						10,161,005.15	1.66	33,315.67	88,896.33	10,250,380.48
FED AGENCY BOND/NOTE													
PFM	3137EADH9	FREDDIE MAC GLOBAL NOTES	65,000.00	1.000	6/29/2014	AA+	8/11/2014	8/13/2014	65,076.05	0.96	166.11	117.33	65,193.38
PFM	3137EADH9	FREDDIE MAC GLOBAL NOTES	500,000.00	1.000	6/29/2014	AA+	8/11/2014	8/13/2014	500,477.00	0.97	1,277.78	1,010.50	501,487.50
PFM	3133G0WZ5	FANNIE MAE GLOBAL NOTES	900,000.00	0.875	8/28/2017	AA+	9/6/2012	9/10/2012	902,232.00	0.82	217.88	(204.30)	902,027.70
PFM	3133G0WZ5	FANNIE MAE GLOBAL NOTES	500,000.00	0.875	5/21/2018	AA+	5/24/2013	5/31/2013	492,425.00	1.19	1,579.86	8,189.50	500,614.50
PFM	3133G0WJX	FANNIE MAE GLOBAL NOTES	300,000.00	0.875	5/21/2018	AA+	5/22/2013	5/24/2013	297,465.00	1.05	947.92	2,903.70	300,368.70
PFM	3133GOV74	FANNIE MAE GLOBAL NOTES	260,000.00	1.625	11/27/2018	AA+	10/22/2014	10/23/2014	262,470.00	1.39	1,455.28	2,684.50	265,154.50
PFM	3133GOV74	FANNIE MAE GLOBAL NOTES	650,000.00	1.625	11/27/2018	AA+	6/16/2014	6/19/2014	650,019.50	1.62	3,638.19	12,866.75	662,886.25
PFM	3133GOJ53	FNMA BENCHMARK NOTE	800,000.00	1.000	3/26/2019	AA+	2/19/2016	2/23/2016	847,994.00	1.08	826.39	3,886.20	851,880.20
PFM	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	5,038.00	409,582.00
			4,425,000.00						4,422,702.53	1.16	12,966.19	36,492.18	4,459,194.73
MUNICIPAL BOND/NOTE													
PFM	68428LDJ0	ORANGE CNTY. CA TXBL REV PO BONDS	500,000.00	0.780	7/1/2017	AA-	1/9/2015	1/13/2015	500,000.00	0.78	628.33	15.00	500,015.00
PFM	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	1,726.45	216,726.45
PFM	13063CFC9	CA ST TXBL GO BONDS	750,000.00	1.250	11/1/2017	A+	10/22/2013	11/5/2013	752,677.50	1.66	5,468.75	8,977.50	761,655.00
PFM	9412G829	UNIV OF CAL TXBL REV BONDS	695,000.00	2.054	5/15/2018	A+	9/26/2013	10/2/2013	695,000.00	2.05	5,392.89	14,574.15	709,574.15
PFM	2077ZJZK1	CT ST TXBL GO BONDS	250,000.00	1.974	3/15/2019	AA	3/16/2015	3/28/2015	250,646.20	1.90	201.79	232,914.10	
			2,380,000.00						2,393,323.80	1.63	12,672.16	27,566.90	2,420,884.70
FEDERAL AGENCY COLLATERALIZED MORTGAGE OBLIGATION													
PFM	3136AN74	FNMA SERIES 2015-M7 ASQ2	185,000.00	1.550	4/1/2018	AA+	4/15/2015	4/30/2015	186,949.33	0.83	238.06	(1,163.70)	185,685.63
PFM	3136AMM19	FNMA SERIES 2015-M7 FA	135,852.38	0.392	6/1/2018	AA+	2/12/2015	2/27/2015	135,816.88	0.39	70.64	(327.63)	135,489.25
PFM	3136AMTM1	FNMA SERIES M4 FA	120,797.31	0.385	9/25/2018	AA+	3/12/2015	3/17/2015	120,766.36	0.38	70.33	(409.47)	120,266.89
PFM	3136AOSV1	FNMA SERIES 2015-M15 ASQ2	170,000.00	1.899	11/1/2019	AA+	11/6/2015	11/30/2015	171,099.98	1.20	268.89	271.68	171,971.66
PFM	3136AOD00	FANNIE MAE SERIES 2015-M15 ASQ2	355,000.00	1.646	9/1/2019	AA+	10/7/2015	10/30/2015	358,544.93	1.08	486.94	(1,164.34)	357,380.59
PFM	3136APZ23	FNMA SERIES 2015-M12 FA	388,421.97	0.540	4/25/2020	AA+	9/10/2015	9/30/2015	388,282.15	0.54	248.21	(1,553.12)	386,729.03
			1,355,071.66						1,361,569.63	0.78	1,383.97	(4,426.78)	1,357,142.85
CERTIFICATE OF DEPOSIT													
PFM	38147JZL5	GOLDMAN SACHS BANK USA CD	800,000.00	0.900	8/12/2016	A-1	8/14/2014	8/19/2014	800,000.00	0.90	828.49	(152.00)	799,848.00
PFM	13066NY99	CANADIAN IMPERIAL BANK NY YCD	800,000.00	1.010	4/6/2017	A-1	4/6/2015	4/10/2015	800,000.00	1.01	3,927.78	(1,288.00)	798,712.00
PFM	21684BXH2	RABOBANK NEDERLAND NY NY CD	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	(1,375.00)	998,625.00

SACRAMENTO SUBURBAN WATER DISTRICT
INVESTMENTS OUTSTANDING - OPERATING FUND

March 31, 2016

MONTH END:

Detail of Securities Held:

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
PFM	06574BRW3	BMO HARRIS BANK NA CD	800,000.00	1.000	4/24/2017	A-1	10/22/2015	10/23/2015	800,000.00	1.01	3,577.78	788.80	800,788.80
PFM	65538LFA5	NORDEA BANK FINLAND NY CD	800,000.00	1.150	5/26/2017	AA-	5/27/2015	5/29/2015	800,000.00	1.15	3,245.56	(1,804.00)	798,196.00
PFM	89113ESN7	NORDEA BANK FINLAND NY CD	825,000.00	1.240	6/16/2017	AA-	6/16/2015	6/19/2015	825,000.00	1.25	8,127.17	1,076.63	826,076.63
PFM	86958D54	SSYENKA HANDELSBANKEN NY FLT CD	750,000.00	0.832	8/24/2017	A-1+	1/12/2015	1/24/2015	750,000.00	0.84	828.34	(1,125.00)	748,875.00
PFM	06417GAS7	BANK OF NOVA SCOTIA HOUSTON CD	750,000.00	1.560	1/16/2017	A-1	1/16/2015	1/19/2015	750,000.00	1.55	4,615.00	2,332.50	752,332.50
PFM	83059FBG5	SKANDINAVISKA ENSKILDA BANKEN NY CD	750,000.00	1.480	1/11/2017	A-1	1/17/2015	1/18/2015	750,000.00	1.48	4,193.33	(3,858.75)	746,141.25
PFM	40423AR41	HSBC BANK USA NA FLOATING CD	750,000.00	0.954	1/17/2017	A-1+	1/17/2015	1/18/2015	750,000.00	0.97	1,107.52	476.25	750,476.25
PFM	78009NZ22	ROYAL BANK OF CANADA NY CD	750,000.00	1.700	3/9/2018	AA-	3/11/2016	3/15/2016	750,000.00	1.69	743.75	3,847.50	753,847.50
			8,775,000.00						8,775,000.00	1.17	33,950.28	(1,081.07)	8,773,918.93
ASSET-BACKED SECURITY													
PFM	43814KAB7	HONDA ABS 2015-1 A2	78,541.36	0.700	6/15/2017	AAA	1/21/2015	1/28/2015	78,537.27	0.70	24.44	(18.20)	78,519.07
PFM	8923WAB4	TOYOTA AUTO RECEIVABLES OWNER ABS NOTES	83,704.50	0.710	7/15/2017	AAA	2/24/2015	3/4/2015	83,703.80	0.71	26.41	(53.92)	83,667.88
PFM	34530PAC6	FORD ABS 2014-C A2	84,141.81	0.610	8/15/2017	AAA	1/23/2015	1/28/2015	84,142.37	0.65	22.81	16.35	84,118.72
PFM	17366SEFN0	CITIBK CREDIT CRD ISSUANCE	300,000.00	1.020	2/21/2019	AAA	5/13/2015	5/20/2015	298,956.25	1.08	82.33	(547.64)	284,608.61
PFM	89237CAD3	TOYOTA ABS 2015-B A3	385,000.00	1.270	5/15/2019	AAA	6/10/2015	6/17/2015	384,979.17	1.27	331.50	490.23	380,080.07
PFM	6447LAC4	NISSAN AUTO RECEIVABLE OWNER 2015-A	295,000.00	1.050	10/15/2019	NR	4/27/2015	4/14/2015	294,937.99	1.06	137.67	685.61	294,859.88
PFM	34530VAD1	FORD 2015-B A3	200,000.00	1.160	11/15/2019	NR	5/19/2015	5/26/2015	199,984.50	1.16	103.11	2.50	199,994.08
PFM	6347WAD6	NISSAN ABS 2015-B A3	195,000.00	1.340	3/16/2020	NR	7/15/2015	7/22/2015	194,984.50	1.34	116.13	385.01	195,369.51
PFM	44930JAD8	HYUNDAI ABS 2016-A A3	70,000.00	1.560	9/15/2020	AAA	3/27/2016	3/30/2016	69,986.42	1.57	3.03	243.48	70,229.90
PFM	05522RC10	BANK OF AMER CREDIT CARD TR 2015-A2	280,000.00	1.360	9/15/2020	AAA	10/28/2015	10/29/2015	280,404.69	1.30	169.24	547.28	280,951.97
			2,256,387.76						2,256,165.80	1.14	1,233.98	1,890.59	2,258,054.39
US TSY BOND/NOTE													
PFM	912828C73	US TREASURY NOTES	660,000.00	0.875	4/15/2027	AA+	5/15/2015	5/15/2015	664,176.56	0.54	2,666.60	(2,603.78)	661,572.78
PFM	912828VQ0	US TREASURY NOTES	250,000.00	1.375	7/31/2018	AA+	8/3/2015	8/31/2015	252,861.33	0.99	576.06	478.42	253,339.75
PFM	912828A34	US TREASURY NOTES	550,000.00	1.575	7/31/2018	AA+	2/2/2015	2/4/2015	558,550.78	0.92	1,267.34	(1,200.33)	557,347.45
PFM	912828A75	US TREASURY NOTES	235,000.00	1.250	11/30/2018	AA+	6/2/2014	6/3/2014	233,356.84	1.41	987.19	4,239.42	237,616.26
PFM	912828C65	US TREASURY NOTES	450,000.00	1.500	12/31/2018	AA+	12/29/2014	12/31/2014	449,560.55	1.53	1,706.04	8,543.05	458,103.60
PFM	912828F39	US TREASURY NOTES	225,000.00	1.625	3/31/2019	AA+	9/2/2014	9/4/2014	225,246.09	1.60	9.99	4,623.14	229,869.23
PFM	912828H71	US TREASURY NOTES	1,100,000.00	1.000	9/30/2019	AA+	3/26/2015	2/27/2015	1,079,503.91	1.42	22.71	4,972.87	1,084,476.78
PFM	912828UQ1	US TREASURY NOTES	275,000.00	1.250	9/2/2015	AA-	9/3/2015	9/5/2015	272,411.13	1.47	298.91	4,382.79	276,793.85
PFM	912828VQ1	US TREASURY NOTES	275,000.00	1.250	9/2/2015	AA+	10/8/2015	10/9/2015	274,226.56	1.32	298.91	2,567.27	276,793.83
PFM	912828VP2	US TREASURY NOTES	650,000.00	2.000	7/31/2020	AA+	12/1/2015	12/4/2015	662,263.67	1.58	2,178.57	10,816.53	673,080.20
PFM	912828V99	US TREASURY NOTES	675,000.00	2.125	8/31/2020	AA+	12/28/2015	12/30/2015	686,686.66	1.74	1,247.28	16,005.14	702,691.80
PFM	912828W00	US TREASURY NOTES	1,000,000.00	1.750	10/31/2020	AA+	2/1/2016	2/3/2016	1,018,315.63	1.35	7,335.77	6,054.37	1,024,370.00
PFM	912828A42	US TREASURY NOTES	525,000.00	2.000	11/30/2020	AA+	3/2/2016	3/4/2016	539,991.21	1.35	3,528.69	3,855.24	543,846.45
PFM	912828A83	US TREASURY NOTES	625,000.00	2.375	12/31/2020	AA+	3/30/2016	3/31/2016	656,396.48	1.28	3,751.72	1,928.52	658,325.00
			7,970,000.00						8,056,107.61	1.33	25,925.83	86,077.65	8,142,185.26
TOTAL INVESTMENT PORTFOLIO													
CASH EQUIVALENTS													
US TSY MONEY MKT													
UN	451114505	US TREASURY MONEY MARKET	50,983.10		OVERNIGHT				50,983.10	0.00	-	-	50,983.10
LAIF	9034005	LOCAL AGENCY INVESTMENT FUND	2,146,808.02		OVERNIGHT				2,146,808.02	0.47	1,687.58	16.52	2,148,495.60
TOTAL CASH EQUIVALENTS													
			39,319,250.54						39,624,751.66		125,335.66	235,416.32	39,860,167.98

**Investment Activity
March 2016**

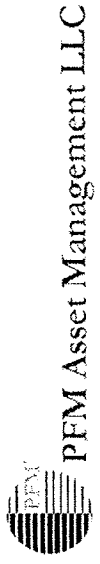


Managed Account Security Transactions & Interest

For the Month Ending March 31, 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
BUY											
03/02/16	03/04/16		US TREASURY NOTE DTD 12/02/2013 2.000% 11/30/2020	912828A42	525,000.00	(539,991.21)	(2,725.41)	(542,716.62)			
03/11/16	03/15/16		ROYAL BANK OF CANADA NY CD	78009NZZ2	750,000.00	(750,000.00)	0.00	(750,000.00)			
03/22/16	03/30/16		HYUNDAI ABS 2016-A A3 DTD 03/30/2016 1.560% 09/15/2020	44930UAD8	70,000.00	(69,986.42)	0.00	(69,986.42)			
03/30/16	03/31/16		US TREASURY NOTES DTD 12/31/2013 2.375% 12/31/2020	912828A83	625,000.00	(656,396.48)	(3,710.94)	(660,107.42)			
Transaction Type Sub-Total					1,970,000.00	(2,016,374.11)	(6,436.35)	(2,022,810.46)			
INTEREST											
03/01/16	03/01/16		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			
03/01/16	03/25/16		FNMA SERIES M4 FA DTD 03/01/2015 0.633% 09/01/2018	3136AMTM1	120,937.03	0.00	61.91	61.91			
03/01/16	03/25/16		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			
03/01/16	03/25/16		FNMA SERIES 2015-M3 FA DTD 02/01/2015 0.624% 06/01/2018	3136AMMCO	136,475.29	0.00	70.96	70.96			
03/01/16	03/25/16		FNMA SERIES 2015-M7 ASQ2 DTD 04/01/2015 1.550% 04/01/2018	3136ANDY4	185,000.00	0.00	238.96	238.96			
03/01/16	03/25/16		FNMA SERIES 2015-M12 FA DTD 09/01/2015 0.767% 04/01/2020	3136AP3Z3	388,965.51	0.00	239.86	239.86			
03/01/16	03/25/16		FNMA SERIES 2015-M15 ASQ2 DTD 11/01/2015 1.898% 01/01/2019	3136AOSW1	170,000.00	0.00	268.89	268.89			
03/06/16	03/06/16		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			
03/06/16	03/06/16		BANK OF NEW YORK MELLON (CALLABLE)	06406HCJ6	400,000.00	0.00	2,700.00	2,700.00			
03/12/16	03/12/16		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			





Managed Account Security Transactions & Interest

For the Month Ending March 31, 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
INTEREST											
03/14/16	03/14/16		ORANGE CNTY, CA TXBL REV PO BONDS	68428LDJ0	0.00	0.00	(21.67)	(21.67)			
03/15/16	03/15/16		DTD 01/13/2015 0.780% 05/02/2016 CT ST TXBL GO BONDS	20772JZK1	230,000.00	0.00	2,270.10	2,270.10			
03/15/16	03/15/16		DTD 03/25/2015 1.974% 03/15/2019 FORD ABS 2015-B A3	34530VAD1	200,000.00	0.00	193.33	193.33			
03/15/16	03/15/16		DTD 05/26/2015 1.160% 11/15/2019 TOYOTA ABS 2015-B A3	89237CAD3	385,000.00	0.00	407.46	407.46			
03/15/16	03/15/16		DTD 06/17/2015 1.270% 05/15/2019 TOYOTA ABS 2015-A A2	89236WAB4	98,316.19	0.00	58.17	58.17			
03/15/16	03/15/16		DTD 03/04/2015 0.710% 07/15/2017 FORD ABS 2014-C A2	34530PAC6	119,236.41	0.00	60.61	60.61			
03/15/16	03/15/16		DTD 11/25/2014 0.610% 08/15/2017 BANK OF AMER CREDIT CARD TR 2015-A2	05522RCU0	280,000.00	0.00	317.33	317.33			
03/15/16	03/15/16		DTD 04/29/2015 1.360% 09/15/2020 HONDA ABS 2015-1 A2	43814KAB7	94,577.01	0.00	55.17	55.17			
03/15/16	03/15/16		DTD 01/28/2015 0.700% 06/15/2017 ABBOTT LABORATORIES	002824AZ3	550,000.00	0.00	5,500.00	5,500.00			
03/15/16	03/15/16		DTD 03/10/2015 2.000% 03/15/2020 NISSAN ABS 2015-B A3	65475WAD0	195,000.00	0.00	217.75	217.75			
03/15/16	03/15/16		DTD 07/22/2015 1.340% 03/15/2020 NISSAN ABS 2015-A A3	65477UAC4	295,000.00	0.00	258.13	258.13			
03/21/16	03/21/16		DTD 04/14/2015 1.050% 10/15/2019 HONDA ABS 2015-2 A3	43813NAC0	285,000.00	0.00	247.00	247.00			
03/22/16	03/22/16		DTD 05/20/2015 1.040% 02/21/2019 AMERICAN EXPRESS CREDIT CORP NOTES	0258M0DR7	215,000.00	0.00	1,666.25	1,666.25			
03/31/16	03/31/16		DTD 09/23/2014 1.550% 09/22/2017 US TREASURY NOTES	912828C65	225,000.00	0.00	1,828.13	1,828.13			
03/31/16	03/31/16		DTD 03/31/2014 1.625% 03/31/2019 US TREASURY NOTES	912828TR1	1,100,000.00	0.00	5,500.00	5,500.00			
			DTD 10/01/2012 1.000% 09/30/2019								





Managed Account Security Transactions & Interest

For the Month Ending March 31, 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
INTEREST											
	03/31/16	03/31/16	US TREASURY NOTES DTD 09/30/2014 1.750% 09/30/2019	912828F39	475,000.00	0.00	4,156.25	4,156.25			
Transaction Type Sub-Total					7,928,507.44	0.00	38,673.41	38,673.41			
PAYDOWNS											
	03/01/16	03/25/16	FNMA SERIES 2015-M3 FA DTD 02/01/2015 0.624% 06/01/2018	3136AMMCO	622.91	622.91	0.00	622.91	0.16	0.00	
	03/01/16	03/25/16	FNMA SERIES 2015-M12 FA DTD 09/01/2015 0.767% 04/01/2020	3136AP3Z3	543.54	543.54	0.00	543.54	0.20	0.00	
	03/01/16	03/25/16	FNMA SERIES M4 FA DTD 03/01/2015 0.633% 09/01/2018	3136AMTM1	139.72	139.72	0.00	139.72	0.04	0.00	
	03/15/16	03/15/16	HONDA ABS 2015-1 A2 DTD 01/28/2015 0.700% 06/15/2017	43814KAB7	16,035.65	16,035.65	0.00	16,035.65	0.84	0.00	
	03/15/16	03/15/16	FORD ABS 2014-C A2 DTD 11/25/2014 0.610% 08/15/2017	34530PAC6	35,094.60	35,094.60	0.00	35,094.60	16.45	0.00	
	03/15/16	03/15/16	TOYOTA ABS 2015-A A2 DTD 03/04/2015 0.710% 07/15/2017	89236WAB4	14,611.60	14,611.60	0.00	14,611.60	0.14	0.00	
Transaction Type Sub-Total					67,048.02	67,048.02	0.00	67,048.02	17.83	0.00	
SELL											
	03/02/16	03/04/16	US TREASURY NOTES DTD 12/01/2014 0.500% 11/30/2016	912828G46	450,000.00	449,490.23	584.02	450,074.25	(281.25)	(349.75)	SPEC LOT
	03/11/16	03/15/16	FANNIE MAE GLOBAL NOTES DTD 04/15/2013 0.875% 05/21/2018	3135G0WJ8	750,000.00	747,405.00	2,078.12	749,483.12	3,742.50	217.32	SPEC LOT
	03/30/16	03/31/16	US TREASURY NOTES DTD 12/01/2014 0.500% 11/30/2016	912828G46	175,000.00	174,979.49	291.67	175,271.16	68.36	35.53	SPEC LOT
	03/30/16	03/31/16	US TREASURY NOTES DTD 12/01/2014 0.500% 11/30/2016	912828G46	475,000.00	474,944.34	791.66	475,736.00	352.54	273.05	SPEC LOT
Transaction Type Sub-Total					1,850,000.00	1,846,819.06	3,745.47	1,850,564.53	3,882.15	176.15	
Managed Account Sub-Total							(102,507.03)	(66,524.50)	3,899.98	176.15	



**Cash Expenditures
March 2016**

Sacramento Suburban Water District
Cash Expenditures
March-16

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
CIP EXPENSES				
	Ahlstrom Construction	1	Inspection Service Main Line Replacements	\$ 9,620.00
	Brown & Caldwell	4	Engineering & Consulting CIP Services	14,337.79
	Central Valley Engineering & Asphalt	1	Asphalt/ Pavement Repair Madison Ave	40,725.00
	County of Sacramento Public Works	9	Inspection Fees	5,927.35
	DCM Gorup	2	Compliance Monitoring	3,680.12
	Del Paso Manor Water District	1	Eastern Ave Intertie	26,397.00
	Doug Veerkamp Engineering	3	Main Replacement Projects 2016	239,247.18
	ERC Contracting	2	Location Verification Services	21,145.00
	Flowline	1	Meter Installation Project	62,119.97
	Fox Loomis	1	Well Destruction - Multiple Sites	46,437.50
	GM Construction	8	Distribution Repairs	82,701.33
	JDH Corrosion Consultants	1	Design Cathodic Protection	6,255.00
	Loewen Pump Maintenance	4	Pump Rehabilitation - Various	13,670.00
	Luhdorff & Scalmanini	4	Consulting - El Prado Estates, Verner	967.50
	Mitch Dion	2	Engineering & Consulting CIP Services	19,720.00
	SMUD New Services Division	1	Plan Deposit - Well N25	5,000.00
	State Water Resource	1	SWPPP 2016 Drayton Heights	476.00
	Technoflo	1	Mag Flow Meter	337.36
	Tetra Tech	1	Dudley Common Area	8,467.00
	Wood Rodgers Engineering	1	Rutland Project Consulting	33,510.40
INVENTORY AND CIP SUPPLIES				
	Corix	4	Inventory/CIP Supplies	9,076.92
	Ferguson/DBA Groeniger	10	Inventory/CIP Supplies	291,545.31
	National Meter and Automation Inc	4	Inventory/CIP Supplies	40,415.75
OPERATING CAPITAL EXPENSES				
	Wondires	1	Registration Costs New Vehicle	763.00
WATER COSTS				
	PG&E	2	Gas Service Buildings & P.S.	3,751.46
	SMUD	10	Electrical Utilities	132,582.21
OPERATIONS & MAINTENANCE				
	A & A Stepping Stone	3	Top Soil Supplies	82.62
	Aba Daba Rental	1	Propane for Forklift	71.41
	ABF Freight	1	Freight - Product Warranty Return	352.89
	ACWA	1	Employment Ad	445.00
	ACWA JPIA Insurance Authority	1	Annual Property Policy	41,917.00
	Advanced Integrated Pest Management	7	Pest Control Services	688.00
	Airgas USA LLC	3	Field Supplies	75.68
	Allpro Backflow	1	Backflow Testing Services	1,597.00
	Alltech Gates	1	Auburn Blvd Yard Gate Repair	410.00
	Answernet/Signius	1	Answering Service	472.67
	Astral Communications	1	Modem Repair	15.00
	AT&T Calnet3	5	Phone Service	5,603.98
	Atlas Disposal	2	Trash Removal Services	431.02
	Badger Meter	1	Service Renewal	63.00

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

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
OPERATIONS & MAINTENANCE				
	Bay Alarm	1	Elevator Alarm Services	116.55
	Brian Henson	1	Backflow Testing Services	1,286.00
	Brower Mechanical	4	HVAC Maintenance	773.00
	BSK Analytical Services	1	Lab Testing	7,399.00
	Bud's Tri County Tree Service	5	Tree Removal	12,470.00
	Burt's Lawn & Garden Service	9	Pump Site Maintenance	3,909.50
	CalCPA	1	Annual Membership/Dues	499.00
	California Diesel and Power	4	Pump Site Maintenance	1,195.10
	California Surveying & Drafting	1	CAD Supplies	1,106.29
	Capital Rubber Company	3	Field Supplies	370.89
	Capitol Elevator Company	3	Elevator Maintenance	1,471.00
	CDWG	2	Annual Software Maintenance Agreement	1,940.97
	Cell Energy	2	Equipment Maintenance	333.44
	CINTAS	11	Uniforms and Janitorial Supplies - Walnut	4,103.95
	Citrus Heights Saw & Mower	2	Small Equipment Repair	209.03
	City of Citrus Heights	3	Encorachment Permit Repairs	1,686.60
	City of Sacramento	1	Encorachment Permit 2016	134.95
	Clear Vision Window Cleaning	1	Building Maintenance	225.00
	Comcast	1	Cable - Marconi	27.43
	Consolidated Communications	1	Telephone Services - Antelope	404.55
	Cooks Truck Body	1	Equipment Modifications	1,783.75
	Coughran Mechanical	2	Pump Site Maintenance	547.32
	County of Sacramento Environmental	41	Annual Hazardous Maintenance Fees	214.00
	County of Sacramento Utilities	5	Monthly Utilities	911.41
	Customer Rebates	3	Rebate Programs	1,152.00
	Customer Refunds	50	Customer Refunds	10,505.12
	Customer Hydrant Deposit Returns	3	Deposit Returns	6,886.80
	Culligan	1	Water System - Walnut	68.50
	Direct TV	1	Cable - Walnut	10.00
	Ditch Witch Equipment Company	1	Equipment Maintenance/Purchase	655.76
	Domco Plumbing	1	Plumbing Repairs	475.00
	Don Pezzuto Lighting	2	LED Lighting Upgrades	8,067.34
	DST Output	7	Billing Production Processing & Postage	23,403.83
	E.H. Wachs Company	1	Field Supplies	494.88
	Emigh Hardware	11	Field Supplies	488.32
	Eurofins Eaton Analytical	5	Lab Services	3,158.00
	Fastenal	4	Warehouse Stock	538.94
	Fleet Wash	2	Vehicle Maintenance	620.50
	Future Ford	1	Vehicle Maintenance	239.24
	GM Construction	5	System Repairs	15,789.65
	Grainger	2	Production Supplies	1,012.95
	Graybar	3	Production Electrical Supplies	92.51
	Greg Bundesen	1	CUWCC Conference Attendance	375.36
	Griffin Janitorial	1	Janitorial Services	3,408.20
	H2H Properties	1	Monthly Parking Rental	1,197.00
	Hach Company	2	Field Supplies	4,145.51
	Harrold Ford	5	Vehicle Maintenance	2,141.47
	HD Supply/Whitecap	2	Warehouse Stock	1,383.30

Sacramento Suburban Water District
Cash Expenditures

March-16

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
OPERATIONS & MAINTENANCE				
	Heighfield Manufacturing	1	Locking Devices	1,338.93
	Hodge Products	1	Master Lock Padlocks	2,867.41
	Hoofers Welding	1	Welding Services	345.00
	IN Communications	1	Community Outreach	3,422.20
	Iron Mountain Offsite Data Storage	1	Offsite Data Storage	384.97
	Jeffrey Lamson	1	Safety Shoe Reimbursement	230.95
	JM Environmental	1	Ceiling Cleaning Services - Walnut	2,981.12
	Les Schwab Tire Center	4	Vehicle Maintenance	4,981.34
	Life Guard First Aid	2	First Aid Supplies	124.86
	Maita Toyota	1	Vehicle Maintenance	494.68
	Matt Underwood	1	Safety Shoe Reimbursement	225.95
	McGard Special Products	1	Locking Devices	4,631.13
	Metrotech/Vivamax	1	Equipment Maintenance	308.56
	Michael Phillips Landscaping Corp	4	Monthly Landscaping Services Offices	4,280.00
	Mitch Dion	1	Engineering Consulting Services	19,720.00
	National Business Furniture	1	Business Furniture	367.79
	Normac	2	Field Supplies	418.80
	Office Depot	10	Office Supplies	897.28
	One Stop Truck Shop	4	Vehicle Maintenance	1,924.24
	Pacific Copy and Print	1	Copy Services	891.00
	Panatrack Inc	1	Inventory Labels	218.75
	Patti Dobbins	1	Medical Reimbursement	55.92
	PFM Asset Management	1	Investor Services	3,649.27
	Pitney Bowes Leases	1	Monthly Postage Meter Lease	531.33
	R & B Company	1	Field Supplies	120.50
	Ramos Oil	1	Pump Site Supplies	1,256.06
	Raul Palonar	1	Certification Renewal Reimbursement	55.00
	Rawles Engineering	4	District Leak Repairs	20,307.00
	Ray Morgan	3	Printer/Copier Monthly Lease	691.10
	Regional Water Authority	1	Conservation Materials	357.11
	Resource Telecom	1	Technical Services	652.50
	Richardson & Company	1	Annual Financial Audit	32,120.00
	River City Fire Equipment	1	Fire Extinguisher Maintenance	140.50
	River City Painting	1	Building Maintenance	1,120.00
	Robert D Ames	1	Certification Renewal Reimbursement	80.00
	Robert Roscoe	2	Reimburse Out of Pocket Expenses	113.78
	Rue Equipment	10	Equipment Maintenance	2,708.03
	SSWD/Petty Cash	2	Petty Cash Reimbursement	601.21
	Shred It	1	Shred Services	56.96
	Sierra Chemical	6	Water Quality Services/Chemicals	27,131.83
	Signs in One Day	2	District Facility Signage	685.37
	Sophos Solutions	3	General IT Support	12,640.00
	Stat Pads	1	AED Maintenance	375.00
	Suburban Propane	1	Propane for Pump Sites	1,419.90
	TESCO	1	C Bar C Scada	3,372.50
	The Brenda Davis Law Group	1	Legal Services	1,560.00
	Tina Lynn Design	3	Product Design Services	471.98
	United Parcel Service	1	Shipping Services	8.18

Sacramento Suburban Water District
Cash Expenditures
March-16

<u>Type</u>	<u>Payee</u>	<u># Inv</u>	<u>Purpose</u>	<u>Amount</u>
OPERATIONS & MAINTENANCE				
	US Bank Corporate Payment Systems	1	Monthly Calcard	9,437.01
	USA Auto Glass Replacement	1	Vehicle Maintenance	190.00
	Vantiv Integrated Payment Solutions	1	Payment Services - Customer Service	392.78
	Verizon Wireless	2	Cell Service	2,958.81
	Vision Technology Solutions LLC	1	Web Site Monthly Fees	231.52
	Voyager Fleet Systems	1	Fuel	5,247.09
	Waste Management	3	Garbage Service	750.96
	Water Rite Products	1	Production Supplies	406.88
	Waterwise Consulting	1	Water Audits	1,400.00
	Wells Sweeping	1	Monthly Maintenance/ Annual Cleaning	88.75
	West Coast Well Logging	1	Well N 15 Cabana	775.00
DEBT SERVICE EXPENSES				
	Wells Fargo Swap	1	COP Payments	88,943.84
	Sumitomo Mitsui Banking Corp.	1	COP Payments	55,477.56
LEGAL & AUDIT				
	Barkiewicz, Kronick & Shanahan	1	Legal	12,114.56
PAYROLL , PENSION & BENEFITS				
	ADP	2	March Payroll	370,123.58
	ADP	2	Payroll Processing Fees	2,936.46
	AFLAC	1	Supplemental Insurance	1,033.17
	PERS Pension	2	March Contribution	31,091.26
	ACWA/JPIA Insurance/EAP	1	Employee Assistance Program	141.00
	Ameritas/Vision	1	Vision Insurance	1,701.72
	CIGNA Healthcare	1	Life/LTD	3,316.93
	CIGNA - Dental Insurance	2	Dental Insurance	10,478.10
	PERS Health	1	PERS Health Insurance	87,547.55
BANK CHARGES				
	Brinks	2	Courier Fees	543.55
	Westamerica Analysis Fees	1	Analysis Charge and Card Processing	85.68
	Wells Fargo Statement & Notices	1	Monthly Statement	8,684.98
	Wells Fargo Credit Card Processing Staterr	1	Credit Card Processing Charges	9,028.81
EMPLOYEE RETENTION/MORALE FUND				
Total Cash Expenditures				<u>\$ 2,168,993.87</u>

**Credit Card Expenditures
March 2016**

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

Type	Vendor	Purpose	Cost	
CIP/OCB Expenses				
OPERATIONS & MAINTENANCE				
	Flashpoint Studios	Messages on Hold	79.00	04-54506
	DRI GPS Gate Elements	Converter for Meter Reading Laptop	39.95	18-54509
	DRI GPS Gate Elements	Converter for Meter Reading Laptop	119.85	18-54509
	Logmein.com	Annual Maintenance	649.00	18-54509
	Securitymetrics Inc	Annual Maintenance for PCI Compliance	1,694.86	18-54509
	C2G	Computer Cables	151.72	18-52101
	SDG Sytems Inc	Replacement Batteries for Equipment	475.00	18-52101
	Jobsavailable	Employment Ad	390.00	17-51402
	Chimas Towing	Vehicle Towing	145.00	12-54005
	Shopwiscomm	Hole Plugs for Antenna Removal	18.29	12-54006
	Lowes	Replacement Ceiling Tiles	158.41	12-54008
	Lowes	Kobalt Drilling Hammer	16.18	05-52101
	Disountfilters.com	Water Filters	39.30	12-52101
	Pressurewasherstuff.com	Replacement Stock	95.99	12-54004
	Disountfilters.com	Ice Machine Filters	299.96	12-52101
	Identocard Systems	Access Cards	70.89	12-52101
	Identocard Systems	Card Printer Printer Ribbon	68.00	12-52101
	The Home Depot	Walnut Conference Room Supplies	13.72	12-54008
	ID Card Group	100 Each HID ISO Prox Access Cards	444.85	12-54007
	Southwest.com	CUWCC Conference Airfare	353.97	13-55001
	Southwest.com	CUWCC Conference Airfare	13.99	13-55001
	AWWA	Employee Training	765.00	08-51707
	Home Depot	Harmony Sod - Jacob Lane Repair	19.38	07-52101
	Southwest.com	CUWCC First Quarter Meeting	211.46	13-55001
	Amazon.com	Maintenance Tools	342.91	05-52101
	Smart & Final	Kitchen Replenishment	116.89	4.36 06-52101 \$112.53 05-52101
	PF Safety	Safety Harness	474.12	06-52101
	Sears.com	Pry Bar Set	65.09	08-52101
	Academyxtraining	Employee Training	500.00	13-51406
	Southwest.com	Employee Conference Attendance	493.95	13-55001
	AWWA	Registration ACE 2016	755.00	13-55001
	Employee Morale Fund			
	Employee Recognition	Gift Cards	270.00	02-51403
	Raley's	All Hands Meeting Refreshments	25.32	
	Noah's Bagels	All Hands Meeting Refreshments	59.96	
			<u>9,437.01</u>	

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

Sacramento Suburban Water District
 Board of Directors Meetings Attended (1)
 Pay Rate per Diem is \$100.0
 March 2016

Director Locke:	Director Schild:
03/10/2016 Water Forum Meeting	03/16/2016 SGA Budget Committee Meeting
03/11/2016 Meeting with General Manager	03/21/2016 SSWD Regular Board Meeting
03/16/2016 Aero Jet Meeting	03/23/2016 SJWD Board Meeting
03/21/2016 SSWD Regular Board Meeting	03/25/2016 Adhoc Committee – Water Transfer
03/22/2016 Meeting with General Manager	
	Director Gayle:
	03/21/2016 SSWD Regular Board Meeting

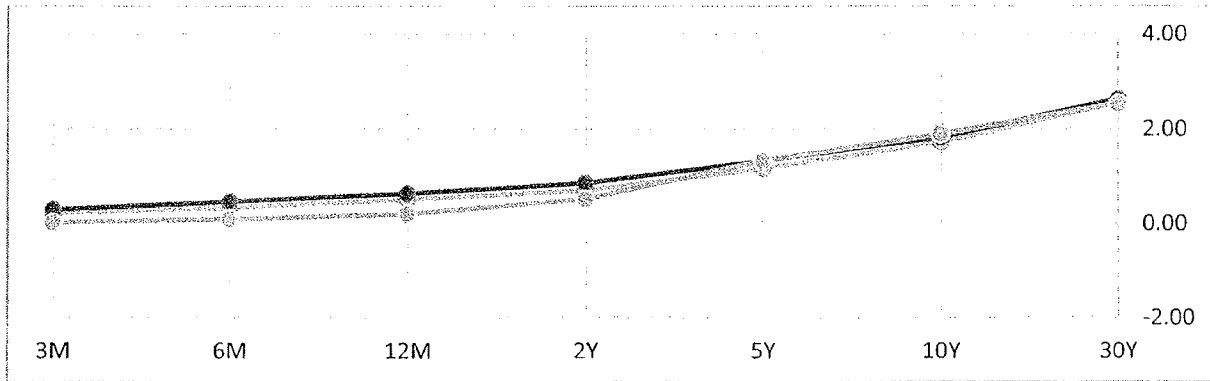
Director Thomas:

(1) Meetings during the current month 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 -
March 2010 through February 2016**

Sacramento Suburban Water District
United States Treasury and Federal Reserve Yields/Rates
As of: April 8, 2016
(Source: Bloomberg Market Data)

US Treasury Yields



NAME	COUPON	PRICE	YIELD	1 MONTH	1 YEAR	TIME
3 Month	0.00	0.22	0.22%	-8	+20	2:15 PM
6 Month	0.00	0.33	0.34%	-13	+24	2:14 PM
12 Month	0.00	0.50	0.51%	-13	+31	2:15 PM
2 Year	0.88	100.34	0.70%	-16	+18	1:58 PM
5 Year	1.25	100.45	1.16%	-18	-18	2:04 PM
10 Year	1.63	99.08	1.73%	-10	-18	2:11 PM
30 Year	2.50	98.77	2.56%	-9	+2	2:06 PM

Change shown in basis points

Federal Reserve Rates

Rate	Current	1 Year Prior	Rate	Current	1 Year Prior
Fed Funds Rate	0.37	0.10	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>2/29/2016</u>	<u>SSWD Holdings</u>	<u>ML 0-5 Year UST Index</u>
Under 6 Months	3.5%	12.7%
6 - 12 Months	2.9%	13.9%
1 - 2 Years	37.3%	23.3%
2 - 3 Years	26.7%	19.6%
3 - 4 Years	15.5%	15.9%
4 - 5 Years	14.1%	14.6%
TOTAL	100.0%	100.0%

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

	<u>Unannualized Monthly Returns</u>		<u>Yield to Maturity at Cost</u>
	<u>SSWD</u>	<u>ML 0-5 Year UST Index</u>	<u>SSWD Operating Fund</u>
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%

DRAFT
District Reserve Balances
March 31, 2016

**Sacramento Suburban Water District
Reserve Fund Balance**

	<u>March 31, 2016</u>	<u>December 31, 2015</u>
Debt Service Reserve	\$ 3,542,218	\$ 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	18,960,789	16,542,963
TOTAL	\$ 46,078,757	\$ 43,839,120

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

	<u>March 31, 2016</u>	<u>December 31, 2015</u>
Cash and cash equivalents	\$ 4,874,179	\$ 3,109,581
Investments	37,662,360	37,206,113
Restricted assets	3,542,218	3,523,427
TOTAL	\$ 46,078,757	\$ 43,839,120

Information Required by Bond Agreement

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

	<i>As Of</i> <u>Actual</u> <u>Year-To-Date</u> <u>3/31/2016</u>	<u>Approved Budget</u> <u>Year-To-Date</u> <u>3/31/2016</u>
REVENUES		
Water sales charges	\$3,274,528.15	\$5,014,251.00
Capital facilities charge	5,352,745.43	5,507,751.00
Facility development charges	62,370.00	124,998.00
Interest and investment income	490,726.64	170,001.00
Rental & other income	69,088.23	75,000.00
TOTAL REVENUES	9,249,458.45	10,892,001.00
EXPENSES		
Source of supply	251,454.40	670,203.99
Pumping	814,531.99	844,522.43
Transmission and distribution	665,066.28	718,372.79
Water conservation	74,939.73	181,984.44
Customer accounts	235,744.26	306,788.64
Administrative and general	1,343,400.24	1,726,031.35
Other expenses	(6.76)	
TOTAL EXPENSES	3,385,130.14	4,447,903.64
NET REVENUE	5,864,328.31	6,444,097.36

Sacramento Suburban Water District
6 - Months Debt Service Schedule
3/31/2016

Month	Total SSWD Debt Service					Debt Service
	Principal	Interest Adjustable/Fixed/Swap	Facility Fee	Remarketing		
Apr-16	\$ -	\$ 91,790.53	\$ -	\$ -	\$ 91,790.53	
May-16	-	1,213,653.53	-	-	1,213,653.53	
Jun-16	-	91,790.53	47,250.00	13,125.00	152,165.53	
Jul-16	-	91,790.53	-	-	91,790.53	
Aug -16	-	78,840.53	-	-	78,840.53	
Sep-16	-	-	-	-	-	

Month	Series 2012A Fixed Rate Bonds (\$23,440,000.00)					Debt Service
	Principal	Interest - Fixed 4.25%	Facility Fee	Remarketing		
Apr-16	\$ -	\$ -	\$ -	\$ -	\$ -	
May-16	-	461,613.00	-	-	461,613.00	
Jun-16	-	-	-	-	-	
Jul-16	-	-	-	-	-	
Aug -16	-	-	-	-	-	
Sep-16	-	-	-	-	-	

Month	Series 2009A Adjustable Rate COPs (\$42,000,000.00)					Debt Service
	Principal	Interest, Adjustable 0.37%	Facility Fee 0.450%	Remarketing 0.125%		
Apr-16	\$ -	\$ 12,950.00	-	-	\$ 12,950.00	
May-16	-	12,950.00	-	-	12,950.00	
Jun-16	-	12,950.00	\$ 47,250.00	\$ 13,125.00	73,325.00	
Jul-16	-	12,950.00	-	-	12,950.00	
Aug -16	-	12,950.00	-	-	12,950.00	
Sep-16	-	12,950.00	-	-	12,950.00	

Month	Series 2009B Fixed Rate COPs (\$27,915,000)					Debt Service
	Principal	Interest - Fixed 5.00%	Facility Fee	Remarketing		
Apr-16	\$ -	\$ -	\$ -	\$ -	\$ -	
May-16	-	660,250.00	-	-	660,250.00	
Jun-16	-	-	-	-	-	
Jul-16	-	-	-	-	-	
Aug -16	-	-	-	-	-	
Sep-16	-	-	-	-	-	

Month	2012 SWAP Interest, Net (\$33,000,000.00)					Debt Service
	Principal	Interest, Swap Net (3.283-0.26190-0.18)%	Facility Fee	Remarketing		
Apr-16	\$ -	\$ 78,840.53	\$ -	\$ -	\$ 78,840.53	
May-16	-	78,840.53	-	-	78,840.53	
Jun-16	-	78,840.53	-	-	78,840.53	
Jul-16	-	78,840.53	-	-	78,840.53	
Aug -16	-	78,840.53	-	-	78,840.53	
Sep-16	-	78,840.53	-	-	78,840.53	



Agenda Item: 18

Date: April 7, 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	0.36%
	Notional Amount	Counterparty	FMV	Receive Rate	Fixed Rate
Swap	\$33,300,000	Wells Fargo Bank, N.A.	(\$9,096,618)	0.4419%	3.283%

Current Status of District's Investment Portfolio (March 31, 2016):

Fair Market Value	Security Type	Yield
\$ 2,146,825	LAIF	0.47%
8,773,919	Certificates of Deposit	1.17%
10,250,589	Corporate Notes	1.66%
4,459,195	Agency Securities Bonds/Notes	1.16%
2,420,885	Municipal Bonds	1.63%
8,142,185	Treasury Bonds/Notes	1.33%
1,357,533	Agency Collateralized Mortgage Obligation	0.78%
2,258,054	Asset-Backed Securities/CMOs	1.14%
<u>\$39,809,185</u>		<u>1.30%</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 began the month marching steadily higher, but reversed strongly following the March 16 Fed meeting. Investors interpreted the FOMC's "dovish" tone by lowering expectations for rate hikes in 2016. Yields on most maturities ended the month down a few basis points (bps). Year-to-date, however, intermediate-term yields are down 30-60 bps (0.30-0.60%).
- Federal agency yield spreads retraced the widening that occurred in February, leading to slight outperformance relative to Treasury securities.
- Investment-grade corporate yield spreads tightened throughout March, led by energy firms as oil prices rebounded. Spreads in other industries followed suit. As a result, performance of the corporate sector strongly outpaced government securities.
- Asset-backed securities (ABS) and mortgage-backed securities (MBS) continued to underperform Treasury securities. Declines in interest rates further heightened the prospect of MBS prepayments. The two sectors remain the worst performers in 2016.
- Yields on money market securities — those with maturities of less than one year — were largely unchanged in March. Yields on commercial paper and bank certificates of deposit held at higher levels due to looming money market reform and supply-and-demand dynamics.

PFM Outlook

- Economic conditions in the U.S. remain positive, and better than those in Europe and much of the rest of the developed world. Chances of a recession in the U.S. appear remote in the near-term, but growth expectations are modest — in the 2-2.5% range for 2016. China and other emerging market economies are more challenged, but have stabilized from the turmoil that characterized the start of the year.
- Interest rates in the U.S. are likely to remain dependent upon gauges of growth and inflation, as well as global economic developments. The Fed also will base future policy decisions on these key factors. We expect, at most, two rate hikes in 2016, with even those being contingent on both reasonable market stability and the receipt of favorable economic data.
- Because of the sharp drop in yields so far this year, especially on intermediate and longer maturities, bond market returns have been quite strong. If rates move up, even gradually, returns in future quarters will be noticeably lower.
- As we noted last month, the extreme spread widening in corporate bonds represented an opportunity. Corporate bonds, in fact, staged a strong rally in March. While some of it was related to the rebound in oil prices, market psychology also appears much improved. Yield spreads remain modestly attractive, but industry and issuer selection will be important.
- MBS returns were positive for March, but given current pricing, we are looking for a better entry point to add positions.
- March's volatility in rates had little impact on the money market sector. We believe credit-based sectors (commercial paper, bank certificates of deposit, etc.) continue to offer exceptional relative value versus short-term Treasuries and agencies.

(Source: PFMAM March 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: 19

Date: April 8, 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 \$891,709 versus a forecast of \$965,000 or a \$73,291 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 Debt Interest <u>FORECAST</u>	<u>B</u> 2016 Actual Debt Service Cost	<u>A - B</u> 2016 <u>DIFFERENCE</u>	 2016 CUMULATIVE YTD <u>DIFFERENCE</u>
2016				
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				
May				
June				
July				
August				
September				
October				
November				
December				
TOTAL 2015	<u>\$ 965,000</u>	<u>\$ 891,709</u>	<u>\$ 73,291</u>	



Agenda Item: 20

Date: April 4, 2016

Subject: Human Resources Quarterly Report

Staff Contact: Lynne Yost, Human Resources Coordinator

1. Current Statistics

Number of Full Time Employees:	60*
Number of Temporary Employees:	4
Current Full Time Vacancies:	3

*Includes new Distribution Operator position starting on 4/11/16.

Temporary employees include two engineering interns and two office assistants; additional temporary positions to be hired this month include two water conservation representatives, one meter preventative maintenance position and one well asset identification position.

Current full time vacancies: Engineering Director, Assistant/Associate Engineer and Administrative Assistant I/II. The current Engineering Director recruitment will close on 4/18/16; the General Manager and Assistant General Manager are reviewing the District's needs prior to filling the other two vacancies.

2. Completed/Ongoing Work of Note

- a) Completed hiring process and orientation for temporary engineering and office assistant interns; additional orientations to be conducted in April for four more temporary positions.
- b) Completed hiring process and orientation for new Distribution Operator, internal promotional process for Assistant to the General Manager, and exit paperwork for departing employee.
- c) Completed annual merit review process and prepared employee Personnel Action Forms confirming 2016 COLA and merit pay increases.
- d) Completed year-end OSHA reports and file management; posted OSHA summary at District offices (see annual report below).
- e) Began review of benefit billing options for retirees under the vesting schedule for health, dental and vision plans.
- f) Began review and update process for 10 classification specifications (job descriptions) last updated in 2013.
- g) Began job analysis process for full time position; continuing job analysis process for two new positions after one year of work performed by current incumbents.
- h) Submitted information for 2016 Flexible Spending Plan Discrimination Testing.

3. Annual OSHA/Workers' Compensation Report

The District had 1 recordable case in 2015 (following 2 recordable cases in 2014) which resulted in 4 days away from work (including 1 day in 2016) and 9 days with job restrictions (all in 2016). The case involved a lumbar strain.



Agenda Item: 21

Date: April 6, 2016

Subject: CIP Projects Quarterly Report

Staff Contact: 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 \$18.4 million. To the extent that billings and invoices have been received and processed, cost expenditures through March 28, 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.

Project Number	Project Name	Approved and/or Amended 2016 Budget	CY16 Spent To Date (\$) (Thru 3/28/16)	Remaining Encumbered Funds (\$)	Status Comments	Project Description
PRODUCTION (SOURCE OF SUPPLY)						
SC16-007	SSWD Groundwater Monitoring and Modeling Project	\$50,000	\$6,198	\$43,802	At the March Board Meeting, the Board approved awarding a contract to Roadrunner Drilling & Pump Company for the construction of the two groundwater monitoring wells. The contract amount with Roadrunner Drilling is \$193,128. Notice of Award was provided to Roadrunner on March 24, 2016, along with two contracts. Bonds and insurance documentation and signed contracts have been received from Roadrunner and are currently under review. Per the plans and specifications, Roadrunner is required to obtain the necessary well drilling permits from the County of Sacramento. The permits have been applied for but it may take a couple of weeks for the permits to be issued. Therefore, the Notice to Proceed date is still to be determined. The groundwater monitoring well at the Eden/Root Well site will be constructed first followed by the monitoring well at the Winston Churchill Middle School.	This is a continuation of a project originally initiated in CY2014. The District has received a partial Prop. 84 Local Groundwater Assistance (LOA) 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. The total estimated project cost is approximately \$207,000. Therefore, the District's local cost share is approx. \$50,000.
SC16-009	Well Rehabilitation / Pump Station Improvements	\$890,000	\$0	\$0	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 #6 (Palm); replacement or removal of hydro pneumatic tanks (replace with new tanks or install flush-to-waste assemblies) at Wells #3 (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	Well #N8 Investigation/Rehab & Site Improvements	Incl. Above	\$0	\$0	Staff has obtained a permit through Sacramento County and the pump is schedule to be pulled the week of 4/11/2016	The pump in Well N8 will no longer take dripper oil. The pump needs to be pulled, well videoed, and pump repaired.
SC16-009B	Well #46 Automation Project	Incl. Above	\$0	\$0	Coughran mechanical is providing a quote for the work	This project is to install a centrifugal clutch in the dual drive pump so that the natural gas engine can engage automatically
SC16-009B1	Well #N3 Discharge Piping Upgrades	Incl. Above	\$0	\$0	A decision has been made to replace the existing hydro pneumatic tank with a new tank. A cost quote has been requested from Auburn Constructors.	Several hydro pneumatic 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.
SC16-009C	Well #N25 Site Updates	Incl. Above	\$5,000	\$0	The new endurance drive MCC has been fabricated. San Joaquin Electric will install the new MCC. The installation work should be completed by the end of May.	Miscellaneous improvements to site to accompany a new endurance drive MCC.
SC16-009C1	Well #N15 Discharge Piping Upgrades	Incl. Above	\$0	\$0	Preliminary design for the pump-to-waste project has been started but is currently on hold. Wood Rodgers has been asked to investigate a water quality (TCE) problem at the well and to make a recommendation on how to resolve the issue for long-term operation.	Several hydro pneumatic 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.
SC16-009D	Well #N15 Investigation and Rehab.	Incl. Above	\$0	\$0	Project assigned to Wood Rodgers the week of 28 March for investigation and preparation of scope of work.	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.

SC16-009D1	Well #N17 Discharge Piping Upgrades	Incl. Above	\$0	\$10,686	A decision has been made to replace the existing hydro pneumatic tank with a new tank. A cost quote has been requested from Auburn Constructors.	Several hydro pneumatic 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.
SC16-009E	Well #70 Investigation and Rehab.	Incl. Above	\$0	\$0	Gathering background material.	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.
SC16-009E1	Well #N22 Discharge Piping Upgrades	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 hydro pneumatic 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.
SC16-009F1	Well #16 Destruction/Demo	Incl. Above	\$23,713	\$21,213	Well has been destroyed and documentation delivered to Production. Site restoration remains.	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. No update since Nicole left.
SC16-009F2	2015 Well #12 Santa Anita/Hernando Improvements - (PROJECT ON HOLD)	Incl. Above	\$2,975	\$1,026	Staff is still negotiating with FFCRPD 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 (FCRPD) 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 FFCRPD has agreed to move forward with determining the feasibility in this transfer for next year.
SC16-009G1	Well #N21 Destruction/ Demo	Incl. Above	\$2,500	\$10,976	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 slated to be destroyed this year. Demolition of above ground facilities will also occur within the well site and waterlines will properly be abandoned. No update since Nicole left.
SC16-009G2	Well #8 Access Improvements	Incl. Above	\$0	\$0	Engineering to issue Area West a task order to proceed with easement work at this site. Area West has been asked to provide a scope of work and fee estimate.	The access easement to this well site needs to be improved and perfected.
SC16-009H5	General Well Evaluation and Rehabilitation - Engineering Services	Incl. Above	\$17,059	\$29,363	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.
SC16-009I1	Well #N11 Destruction/Demo	Incl. Above	\$0	\$0	Destruction of well is scheduled for 2016. Affinity has been tasked with this work. Work should be completed by end of May.	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.
SC16-009J1	Well #N18 Destruction/Demo	Incl. Above	\$0	\$0	Destruction of well is scheduled for 2016. Affinity has been tasked with this work. Work should be completed by end of May.	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.
SC16-009K2	Well #45 Investigation/Rehab. & Site Improvements	Incl. Above	\$4,000	\$0	Pump has been set, design of discharge piping being completed by B & C.	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. Loewen to submit a quote for additional work.

SC16-00911	Well #50 Destruction/Demo	Incl. Above	\$20,225	\$17,725	Well has been destroyed and documentation delivered to Production. Site restoration remains.	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.
SC16-009M1	Flowmeter Modifications & Improvements	Incl. Above	\$4,270	\$43,483	32 of the 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)
SC16-009N1	Well #N19 Demolition Work	Incl. Above	\$0	\$0	Destruction of well is scheduled for 2016. Affinity Engineering to pursue a turn key approach. EA issued.	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.
SC16-009O2	Well #23 Investigation/Rehab	Incl. Above	\$0	\$0	Project scope and approach designed by Affinity. Will commence to pull pump and investigate whether well is worth keeping. Work to be done April 2016.	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.
SC16-009P1	Well #3A Fencing	\$0	\$7,816	\$0	Fencing to be completed once test pumping and well is placed back into service.	New fencing is needed at this well site.
SC16-009P2	Well #2A Investigation/Rehab & Site Improvements	Incl. Above	\$0	\$11,650	Due to pulling the pump, and per Department of Drinking Water (DDW) regulations, the District was required to raise the pump pedestal a minimum of 18" prior to installing a new pump. The pedestal has now been raised. A pump test will be conducted during the week of April 4th to properly size the new pump and motor.	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 hydro pneumatic 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.
SC16-009Q2	Well #N1 Discharge Piping & Site Improvements	Incl. Above	\$0	\$0	Area West has completed design of the discharge piping, and will go out to bid at the end of February. Affinity Engineering is working with SMUD to upgrade the power service from a 3 wire to a 4 wire, and in doing so has been informed that it will take until approximately May for the new service to be installed.	Several hydro pneumatic 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. The tank has been removed and a flush-to-waste system will be installed into the discharge piping to resolve the concern. Engineering staff is working on the design in house. The discharge piping and flush-to-waste installation will occur in 2015.
SC16-009U1	Bainbridge/Holmes Well (#59A) Rehab and Pump Replacement	Incl. Above	\$41,215	\$25,495	All work associated with installation of the new 300-hp water-lubricated line-shaft pump/motor has been completed by Loewen Pump. Pump-to-waste flushing and final water quality sampling will be completed the week of April 4th. The sound enclosure will then be installed and the well will be able to be placed back into service the week of April 18th.	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 baller 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).
SC16-009U3	Well #35 Site Improvements	Incl. Above	\$0	\$0	Area West has prepared the preliminary design for the SD tie-in outside the site a new contract will be completed for new discharge piping to be designed in 2016 after additional pump testing is performed to verify that the well is not over-producing sand.	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.
SC16-009V1	Well #72 Methane Investigation	Incl. Above	\$0	\$0	Test results have been obtained and a final Tech. Memo has been received from K/C. Staff is evaluating whether to proceed with above-ground treatment for methane using air stripping.	The District has contracted with Kennedy/Jeans Consultants (KJC) to investigate a methane gas problem at the River Walk/NEPP Well (#72). The contract amount with KJC is not to exceed \$20,000.

SC16-009W1	Well #2A El Prado Pump Station Upgrade Project	Incl. Above	\$38,162	\$526	The District's engineer, Luthorff & Scalmanini, has completed the final plans and specifications for this project and they are currently being reviewed by District staff. The project will be placed out to bid in April. New water line valves and connection to the site were completed in March.	The project consists of a complete overhaul of Well #2A in conjunction with the 2016 Drawton 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. L&S has been selected for the project.
SC16-009W3	Well #N6 Investigation/Rehab.	Incl. Above	\$0	\$0	Luthorff has been selected for design. Contract has been negotiated, expect to see final contract for design Week of 3 Apr.	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'.
		\$890,000	\$166,994	\$172,142		
SC16-010	SCADA Remote Terminal Units (RTUs) / Communication Improvements / MCC Panel Replacement/Upgrades	\$200,000	See Below	\$0	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 C12016 are #N25 (Surter), #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	Well #77 SCADA Upgrades	Incl. Above	\$0	\$23,760	An extra PLC with radio was taken from Capehart and has been installed by Prodigy Electric. Some additional panel modifications and programming work is still required.	This well still needs to be equipped with SCADA.
SC16-010B	SCADA Buildout Consulting Services	Incl. Above	\$0	\$15,000	A priority list of SCADA projects has been provided to ECC and they are working on the highest priority projects first.	A contract in the amount of \$15,000 has been entered into with Electrical Construction Consulting (ECC) to assist the District with SCADA system buildout.
SC16-010C1	Truax Well #43 Site Upgrades	Incl. Above	\$0	\$0	Well #43 is Natural Gas Engine in lag mode. It needs new control panel.	Control panel to be ordered via Tesco and installed once back log is cleared. May 2016 is target to configure panel.
SC16-010E2	Well #N25 SCADA Work	Incl. Above	\$0	\$28,900	All equipment has been received. Work at #N8 and #N14 is complete. #N25 will be completed in 2016.	These well sites are not currently equipped with SCADA. SCADA RTU/PLC and MCC installation at Wells #N8, #N14, and #N25 (Previous Project Name).
		\$200,000	\$0	\$67,812		
SC16-011	Wellhead Treatment / Chemical Feed System Rehab. / Improvements	\$370,000	\$0	\$0	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). Luthorff & 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	Incl. Above	\$0	\$0	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.

SC16-011C1	Verner Well (#N36) Manganese Treatment Design	Incl. Above	\$29,578	\$5,422	District staff has 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 will now be scheduled to make key design decisions before Luhdorff & Scalmanini proceeds with design. This site is large and future plans may include up to two additional groundwater wells and a storage reservoir.	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.
SC16-011C2	Chlorinator Units at Gas Engine Sites	Incl. Above	\$0	\$6,222	This project was not able to be completed in 2015 and will now be completed in 2016.	Chlorinator units were purchased in 2014 for installation in 2015. Sites to receive chlorinator units include Wells #5, 37, 40, 41, 43, and 45.
SC16-012	Well Replacement	\$2,600,000	\$0	\$0	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.
SC16-012A2	Rutland Well #N39 (Charles Peck School)	Incl. Above	\$215,819	\$1,838,407	The District's contractor, Koch & Koch, has completed construction of the new CMU block wall along the west boundary of the site. They have also completed installation of numerous electrical conduits that stub up inside the new building. Concrete has been poured for the building foundation, the well pump pedestal, and the engine generator pad. Koch & Koch is now installing rebar and formwork for the building's floor slab which will be poured during the week of April 4 th . After the floor slab is constructed, they will begin installing CMU block for the walls of the building.	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.
SC16-013	Electrical Arc Flash Hazard Modifications at Various Well Sites	\$330,000	\$7,152	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	ARC Flash Design Services	Incl. Above	\$0	\$0	Affinity Engineering is working with SMUD to get the design for the Marconi improvements completed.	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 completed in 2014. An amendment will be prepared for the work at the Marconi Office which will occur over 2014 and 2015.
SC16-013E3	Arc Flash Labeling Updates	Incl. Above	\$0	\$0	This work is part of bringing certain sites into compliance with Arc-Flash 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.
SC16-013K2	Wells #N33, #N29, # N24, #N23A, #N9, #60, #N22, #28	Incl. Above	\$0	\$0	One (#N33) of the nine wells was completed. The remaining wells will be completed in 2016.	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.

SC16-01312	Wells #24	Incl. Above	\$0	\$0	\$0	The installation plan for Well #26 has been reassigned to be placed at Well #3A. This project was not completed in 2015. The project will be completed in 2016.	ARC FLASH - New service pedestals were purchased to mitigate arc flash hazards by adding another level of protection upstream of the motor control center.
SC16-01312	Wells #26	Incl. Above	\$0	\$0	\$17,800	The installation plan for Well #26 has been reassigned to be placed at Well #3A. This project was not completed in 2015. The project will be completed in 2016.	ARC FLASH - New service pedestals were purchased to mitigate arc flash hazards by adding another level of protection upstream of the motor control center.
SC16-013M2	Marconi Office Arc Flash Improvements	Incl. Above	\$0	\$0	\$0	Work for electrical upgrades at Marconi all in single project with generator. Design is 75%.	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.
SC16-040	Engine Generator Compliance (Admin Bldg)	\$75,000	\$0	\$0	\$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 scheduled for approval with GM week of 14 March. SMUD and PG&E applications to be submitted week of 14 Mar. David Armand to coordinate with County/Air Quality 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.
DISTRIBUTION							
SC16-018	Distribution Main Replacements	\$8,420,000	See Below	\$0	\$0	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 carry over 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	2016 Edison Meadows Main Replacement - Phase 1	Incl. Above	\$0	\$39,600	\$0	Domenechelli & 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.	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.
SC16-018A2	2015 Barcelona Waterline Replacement Project	Incl. Above	\$102,987	\$420,203	\$0	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.
SC16-018D2	2015 Fair Oaks Estate Main Replacement Project	Incl. Above	\$394	\$21,735	\$0	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., Cortland 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.
SC16-018E1	Eastern Rand Lane	Incl. Above	\$5,244	\$73	\$0	The project is complete except for final paving which is scheduled to be completed by mid-April.	Final paving is not part of the Paving Partnership Agreement with County.
SC16-018F1	2016 Drayton Heights Main Repl. Project - Phase 2	Incl. Above	\$640,833	\$5,223,272	\$0	The construction phase is underway with existing utility identification and pipeline alignment verification. Veerkamp has completed main line pipe installation in the first construction phase. GM Construction has been issued a Notice to Proceed to install over 300 services and will begin work the week of April 11th. The project is currently on schedule.	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 Elvira 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.
				\$8,420,000	\$749,457	\$5,004,883	Total budget, spent to date and additional encumbered funds on SC16-018 projects.

SC16-019	Distribution Main Improvements / Extensions / Interties and Resolving Utility Conflicts	\$775,000	\$0	\$0	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 Reema Avenue Main Extension projects.
SC16-019A	2016 Miscellaneous Repair Issues	Incl. Above	\$0	\$30,140	General repair issues throughout the year.	Any general repair issue that may occur.
SC16-019D1	2015 DPMWD Intertie At Annette Street And Eastern Avenue	Incl. Above	\$26,873	\$0	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.
SC16-019I1	2015 Watt Avenue/Maggie Creek	Incl. Above	\$10,705	\$182,128	The project is complete except for final paving which is to be completed when weather conditions are acceptable. It is anticipated that the paving work will be completed no later than May 31, 2016.	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.
SC16-019K1	2015 Brightwood Waterline Extension Project	Incl. Above	\$4,460	\$53,579	Tetra Tech will complete final asphalt restoration once temperatures are found 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.
SC16-019L1	2015 Pasadena Avenue Main Connection Project	Incl. Above	\$1,342	\$72,143	Tetra Tech has completed all tests with the exception of final asphalt paving which is anticipated to be completed by May 31, 2016, when temperatures are found acceptable by the County of Sacramento.	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.
SC16-020	McClellan Improvements	\$0	\$0	\$337,990	N/A	Improvements required per agreement with McClellan AFB. (Combined into project -019 above.)
SC16-022	Water Related Street Improvements (Lowering/Raising Valve Boxes)	\$150,000	\$0	\$0	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.
SC16-022A1	County Contract #4220) El Camino Lower/Raise Valves on 2015 Federal AC Overlay Project	Incl. Above	\$0	\$0	County has selected Teichert as their paving contractor. Paving to begin shortly. District Plans have been prepared and the procurement of a District contractor will begin shortly.	Lower then raise approximately 67 valve boxes along El Camino Avenue, Eastern Avenue and Marconi Avenue. Tricia is procuring the new valve boxes.
SC16-022B2	County Contract #4263) Fulton Lower/Raise Valves on 2015 AC Overlay Project	Incl. Above	\$0	\$0	Tetra Tech has raised all 53 valve covers. Tetra Tech needs to finish the job by placing permanent pavement around the valves boxes as weather permits.	Lower then raise approximately 53 valve boxes along Fulton Avenue from Marconi Avenue to Auburn Blvd. Tricia is procuring the new valve boxes.
SC16-022C1	County Contract #4269) Garfield Lower/Raise Valves on 2015 Federal Phase 2 AC Overlay Project	Incl. Above	\$0	\$1	County planned to pave in 2015. County has rescheduled paving to Summer of 2016.	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.
SC16-024	Meter Retrofit Program - District Funded and 2013/14 CalFEED Meter Retrofit Grant & WaterSMART Grant	\$1,900,000	\$201,684	\$1,725,735	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.
SC16-024A	Voluntary Meter Retrofit Program	\$75,000	\$12,643	\$5,450	Meters installed per customer requests. Eight 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.

SC16-024B1	2016 Meter Retrofit WaterSMART Grant Project	Included in SC16-024	\$1,625	\$0	Flowline is well underway in completing the project. Construction work began on January 8, 2016. As of the end of March, 323 services have been retrofitted with meters and a total of \$561,203 has been spent on the project. Flowline's contract is for \$1,154,763 for the installation of a total of 886 meters.	A total of 886 meters are scheduled for installation with this project. Approximately 83 meters will be replaced using the CalFed WaterSMART grant funds (\$345,000). Both of these grants were obtained to accelerate meter installation.
SC16-024C1	2016 Meter Retrofit CalFed Grant Project	Included in SC16-024	\$0	\$0	Flowline is scheduled to begin work in May 2016.	A total of 614 meters 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.
SC16-042	Meter Replacement and Repair	\$558,000	\$0	\$213,840	Orders have been placed for (128) 75" meters, (236) 1" meters, (107) 1.5" meters, (64) 2" meters, and (491) MLVs. 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.	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.
SC16-027	Distribution System Major Repairs	\$350,000	See Below	See Below	See Below	Consists of repair of major main breaks that require replacement of infrastructure.
SC16-027A	Dudley Common Area F-G	Incl. Above	\$16,500	\$3,400	Processed Invoice.	This was an emergency water main repair.
SC16-027B	4611 Creek Road	Incl. Above	\$4,475	\$4	Billed to 07-54507.	
SC16-027C	3930 American River Dr.	Incl. Above	\$4,592	\$0	Processed Invoice.	District contractor was called to an emergency leak on a 14" ACP water main. Leak was on a stab joint rubber. The coupling was taken off and a FCRC installed.
SC16-027D	3939 Madison Avenue	Incl. Above	\$40,725	\$0	Processed Invoice.	12" C-900 blow-out. Pavement restoration.
SC16-027E	3939 Madison Avenue	Incl. Above	\$27,919	\$0	Processed Invoice.	Contractor repaired failed water main and provided hours of clean-up associated with silt that was on three separate properties and along Madison Avenue.
SC16-028	Distribution System Improvements	\$375,000	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.
SC16-028A	5910 Auburn Blvd Service Replacement	Incl. Above	\$0	\$7,400	Created EA. Project is on hold until further notice. Scope of work has increased and this may become a special project to resolve issues.	Replace two 1" services
SC16-028B	2706-28 Marconi Ave Service replacements	Incl. Above	\$14,600	\$0	Complete	Replace four 1" services
SC16-028C	Isolation Valve replacement	Incl. Above	\$2,910	\$0	Processed Invoice.	Contractor called out after hours to repair a service that had failed and no shut off identified. Contractor installed a new isolation valve and cleaned up the damaged area.
SC16-028D	MLV Replacement	Incl. Above	\$3,650	\$0	Processed Invoice.	Contractor called to replace a broken MLV in the closed position. Work will be done at night.
SC16-038	Large Water Meter (> 3") Replacement Program	\$140,000	\$8,400	\$0	One service upgrade.	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.
		\$140,000	\$8,400	\$0		

SC16-0393	Fire Hydrant Replacement / Rehabilitation / Additions	\$200,000	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.
SC16-0394	5584 Patrol Rd. Bldg. #1069	Incl. Above	\$0	\$8,686	Waiting for billing, fire hydrant has been replaced.	Staff identified a fire hydrant that was non-operational or repairable so this hydrant is scheduled to be replaced by a District contractor.
SC16-0398	Forcum and Dean	Incl. Above	\$0	\$6,500	Processing paper work for this replacement.	Fire hydrant replacement that was deemed non-repairable.
		\$200,000	\$0	\$15,186		
STORAGE & DISTRIBUTION						
SC16-034	Corrosion Control and Reservoir and Tank Painting/Coating, Upgrades and Improvements	\$200,000	\$0	\$0	See Below.	Note: Includes funds originally budgeted under O&M Account 06-54508. Transmission mains, storage and hydro-pneumatic tanks, and corrosion control facilities are on a scheduled maintenance program for inspection, testing, and recoting 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	Corrosion Control - CMLC Water Mains	\$450,000	\$6,255	\$1,945	JDH has submitted a 90% drawing set for the Conveyance Pipeline and will be completing specifications for the project by the end of February. The project will go out to bid in March to be constructed by the end of 2016.	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.
SC16-034C2	Hydraulic Improvements at Elevated Tanks #216, 769, and Capehart	Incl. Above	\$0	\$29,370	CAPEHART - Final testing for this site has been completed, it is operational. Needed easement for Panel, new plan place power in existing easement. #769 - is waiting cleaning then controls will finished (approx. 4 Apr). #216 - is also ready after cleaning and will proceed before #769 (approx. 28 March) This work continues on schedule.	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.
SC16-034D2	Antelope Reservoir Flow Meter Replacement	Incl. Above	\$8,875	\$8,932	The new 24" flow meter has arrived and is being stored at the Antelope Reservoir. Funding is available to allow the meter to be installed in 2016 along with a new sample station. Affinity is preparing construction drawings. Price quotes will then be obtained from contractors to install the flowmeter and sample station.	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.
		\$650,000	\$15,130	\$40,247		
SPECIAL PROJECTS						
SC16-035	Professional / Special Services	\$100,000	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	Incl. Above	\$22,185	\$27,815	Ongoing.	A contract has been executed with Mitch Dion to provide miscellaneous consulting services to the District.
SC16-035B1	2015 Conveyance Rectifier Easements	Incl. Above	\$3,575	\$198	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.
SC16-035D1	Property Acquisition on North Antelope Road	Incl. Above	\$2,578	\$1,823	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.	The District is in the process of purchasing two separate parcels located on Antelope North Road just north of the Antelope Reservoir Facility.
SC16-035E2	Long Term Warren Act Contract Consulting Services	Incl. Above	\$0	\$0	A contract has been executed with Municipal Consulting Group (MCG). The work is underway.	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.

SC16-035G2	Elevated Water Tank Analysis and Improvements	incl. Above	\$0	\$0	\$29,835	Affinity's design is complete. They are assisting with project management of the hydraulic improvements project.	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. Affinity Engineering has completed design for the three tanks and construction will take place in January 2015.
CONJUNCTIVE USE							
SC16-044	Capital Improvements to CTP (SIWD)	\$7,000	\$0	\$0		Still waiting to be invoiced by SIWD.	District's cost share (owed to San Juan Water District) for Cooperative Transmission Pipeline (CTP) Corrosion Testing for 2015.
SC16-045	Enterprise Intertie Improvements	\$180,000	\$0	\$0		City of Sacramento has now agreed to pay for 100% of local (non-grant) cost share. The Board has approved entering into a cost sharing agreement with the City of Sacramento. A final draft cost sharing agreement has been prepared and provided to the Board for their information. The agreement must still be approved by the City of Sacramento. Affinity has 90% design complete and staff is prepared to proceed once the City approves funding.	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 \$116,225 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.
Totals		\$18,395,000	\$1,604,008	\$10,537,674			



Agenda Item: 22

Date: April 4, 2016

Subject: 2015 Main Replacement Projects - Customer Comments

Staff Contact: John E. Valdes, Engineering Manager
Dave Jones, Associate Engineer

For each of the District's main replacement projects, customer comment cards are provided to each homeowner near the end of the construction phase. A copy of a blank comment card is attached as Exhibit 1. These comment cards are used to gauge whether our customers are satisfied with certain aspects of the project and to provide information to staff on how to improve similar future projects. In addition, these cards are used together with District inspections to be informed of any repairs or other defects that may have been overlooked and need to be corrected before final retention is paid to the District's contractor(s).

In 2015, three large main replacement projects were completed: Barcelona, Fair Oaks Estates, and Santa Anita Phase 2. For these three projects, approximately 535 customer comment cards were hand-delivered to the properties within the limits of the projects. To date, a total of 97 comment cards (18%) have been returned to the District. Spreadsheets have been prepared for each project summarizing the specific written comments received from residents. See Exhibits 2, 3, and 4, respectively. Note that the customer comments have been transferred verbatim; i.e., if there is a misspelled or misused word then it is repeated exactly as the customer wrote it.

Those customers who had a negative comment (20 customers, with half of them relating to pavement) were personally contacted, and, if possible, the issues were resolved within 48 hours. Many of the negative comments received were related to the pavement conditions. This was somewhat expected, as the roads at the end of the water project look unfinished. Customers were informed at the start of the project that final paving would follow 3 to 6 months after the water lines were installed but it is possible that some forgot. The residents that commented about the pavement conditions were informed that final pavement restoration will be completed this summer (2016) under a Paving Partnership Agreement between the District and the County of Sacramento.

Customers with issues other than pavement conditions were personally contacted to discuss their issues of concern. For the most part, issues were minor and were resolved by additional flushing at the hose bibs and cleaning the faucet screens at the sink. When customers complained that work caused damage, or was incomplete; the damage was corrected to the customer's satisfaction and the incomplete work was completed to a higher degree than pre-construction conditions. On some complaints of damage it was found that the damage was done by others, however our contractor made the repairs. As noted above all customer issues were responded to with a high degree of professionalism and resolved quickly. Additionally, contractors have been instructed to keep off private property for breaks and lunch.

EXHIBIT 1



ATTN DAVE JONES
SACRAMENTO SUBURBAN WATER DISTRICT
3701 MARCONI AVE STE 100
SACRAMENTO CA 95821-5346



Dear Customer:

Sacramento Suburban Water District (SSWD) recently completed the installation of a water meter in your yard. The District wants to hear from you concerning the work performed, restoration of existing facilities and overall opinion of the meter installation.

1. Was water restored within the allotted time frame?
Yes_____ No_____ Unknown_____
2. Were your existing facilities, landscaping and concrete restored to your satisfaction?
Yes_____ No_____ Unknown_____
3. Are you satisfied with your water pressure, volume and quality?
Yes_____ No_____ Unknown_____
4. Are you satisfied with the overall work performed?
Yes_____ No_____ Unknown_____



Comments: _____

Please return to SSWD. Thank you for your comments 08/22/2012

Customer Comment Card

EXHIBIT 2

Santa Anita Phase 2

1 of 2

St Name	Was water restored within the allotted time frame?			Were your existing facilities, landscaping, concrete restored to your satisfaction?			Are you satisfied with your with water pressure, volume or quality?			Are you satisfied with the overall work performed?			Comments	
	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown		
Brunton Way	x			x				x			x			Water tastes like plastic, does not taste like before and smells like plastic.
Brunton Way	x			x				x			x			The contractors used for this project have been awesome!
Brunton Way	x					x		x			x			Item 2: incomplete to date Item 3: The initial quality of the water was poor (very cloudy) for several weeks. It was recently brought to the attention of a crew leader and problem resolved.
Burgundy Way	x			x				x			x			
Burgundy Way	x			x				x			x			Workers were very very friendly and kept the neighbors informed as work progressed. JOB WELL DONE!
Burgundy Way	x			x					x		x			Slow drainage
Burgundy Way	x			x					x		x			We hope to get more quality when we do not have flat rate any more! I wish we had a less quality water for our yard.
Byron Rd	x			x				x			x			Great work!
Byron Rd	x			x				x			x			Readily available for any questions/discussion polite and courteous. Neat and clean in appearance!
Byron Rd	x			x				x			x			
Byron Rd	x			x				x			x			
Cortez Ln	x			x					x		x			Rear bathroom water is cloudy.
Cortez Ln	x				x					x				Did not use plastic sheet for soil when digging it out, damaging lawn, etc... Will street be repaired where it was dug?
Cortez Ln	x			x				x			x			
Cortez Ln	x			x				x			x			
Cortez Ln	x				x			x			x			Water had chemical odor for days. I also have several holes from boring machines left unfilled on my lawn.
Cortez Ln	x			x				x			x			The workers were very respectful and responded to my questions timely. Supervisor explained everything to me.
Cortez Ln	x				x			x				x		I'd like some concrete over the hole they dug in back yard. Thanks
Cortez Ln	x			x				x			x			Very Good
Cortez Ln	x			x				x			x			GREAT CREWS- GOOD JOB
Cortez Ln	x				x			x			x			Concrete required in back yard, finish cement work not complete
Cortez Ln	x			x				x			x			
Gwen Dr	x			x				x			x			

Santa Anita Phase 2

2 of 2

St Name	Was water restored within the allotted time frame?			Were your existing facilities, landscaping, concrete restored to your satisfaction?			Are you satisfied with your with water pressure, volume or quality?			Are you satisfied with the overall work performed?			Comments
	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown	
Hernando Rd	x			x			x			x			
Hernando Rd	x				x		x				x		Front landscape was not put back in original condition
Hernando Rd	x			x			x			x			The company was very professional and courteous.
Hernando Rd				x			x			x			Both contractors did a great job and were very nice! Please use your influence to have our street repaved. It's in terrible condition after work over so many years. We've been here 46 years with no repavement. Thank you!
Hernando Rd	x			x			x			x			Although, due to the narrowness of our streets there were many times I didn't think we could make it out or in , but due to the courteousness and helpfulness of your workers we always got where we needed to go . Thank you
Hernando Rd	x			x			x			x			Workers were very nice and friendly- courteous.
Hernando Rd	x				x			x		x			The road needs to be replaced
Hernando Rd	x			x				x		x			The water pressure is less and requires more time to get adequate coverage. Contractors were very courteous and cooperative to lessen the disruption as much as possible.
Hernando Rd	x				x		x			x			Work trucks damaged two of our trees by breaking off a few branches. I would have liked that your crew would have cut and removed the branches.
Juanita Ln	x			x			x			x			
Laredo Rd	x				x		x				x		internet cable was cut; workers took lunch break on my patio and left litter
Laredo Rd	x			x			x			x			Very professional and friendly staff.
Laredo Rd	x			x			x			x			All staff were so friendly and accommodating.
Laredo Rd			x	x			x			x			
Lloyd Ln	x			x			x			x			Workers were very considerate of residents! Wondering when old fire hydrant will be removed and can we park by out of service hydrant in the meantime?
Lloyd Ln	x			x			x			x			One of the bosses with GM Construction (ED) was very accommodating to my requests regarding my faucets. He did an excellent job!
Lloyd Ln	x			x			x			x			The only difference seen is the toilet doesn't fill as much and doesn't always flush can you fix it?
Lloyd Ln	x			x			x			x			All the improvements are done well. I hope the street damage will be repaired.
Lloyd Ln	x			x			x			x			Super job! Superb work crew! At every stage all crews were hard working, gracious, precise- just great people! Thanks!
Lloyd Ln			x	x			x			x			Very pleased. Soil leveled around area also. Thanks.
Lloyd Ln	x			x			x			x			The absolute Best! Charles Hodges
Lloyd Ln	x			x			x			x			
Lloyd Ln													
Pamela Ln	x			x			x			x			Could not have done a better job.
Pamela Ln	x			x			x			x			The men did a great job. I am more than satisfied.
Pamela Ln	x			x			x			x			Thank you
Tevis Rd	x			x			x			x			Done well the guys stay busy.
Tevis Rd					x								The workers disconnected my drip hoses and left them unattached and not workable.
SUMMARY	24	0	2	22	5	0	25	2	0	25	2	0	

TOTAL CARDS DISTRIBUTED : 346

RESPONSES : 53

EXHIBIT 3

Fair Oaks Estates

St Name	Was water restored within the allotted time frame?			Were your existing facilities, landscaping, concrete restored to your satisfaction?			Are you satisfied with your with water pressure, volume or quality?			Are you satisfied with the overall work performed?			Comments
	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown	
Alton	x			x			x			x			The boys out front working on the water main and meters were great, very professional.
Columbia Dr	x			x			x			x			
Columbia Dr	x			x			x			x			Good Job
Columbia Dr	x			x			x			x			Very Professional work crews. Many thanks to them for the pleasant customer focus with such a large and complex project.
Columbia Dr			x	x			x			x			Orderly, well run project; as painless as could be. Thank you.
Columbia Dr	x			x			x			x			The workers were thoughtful about our coming and going.
Columbia Dr	x			x			x			x			
Columbia Dr			x	x			x			x			Great Job!!
Columbia Dr			x	x			x			x			The crew was polite and friendly. They were eager to help & quickly moved to provide access.
Columbia Dr	x			x			x			x			Well done!
Cortlandt Dr													I am concerned with the condition that our street was left in. It needs repairing!
Cortlandt Dr	x				x				x		x		Please have them patch the street in front of our house. Thank you.
Cortlandt Dr	x			x			x			x			We just wish the street had been repaved. But crews were very good and easy to work with.
Cortlandt Dr			x	x			x			x			Very pleasant and helpful working crew.
Cortlandt Dr	x			x			x			x			
Cortlandt Dr	x			x			x			x			
Estates Dr	x			x			x			x			The crews did a customer friendly operation.
La Leita Cr	x			x			x			x			
Lake Oak Ct	x				x		x			x			Sidewalk cement color is awful - and devalues my property!
Treehouse Ln	x			x			x			x			Many thanks, Ruth M. Langstaff. Sorry I'm so late! This disappeared in a pile of paper.
Treehouse Ln	x			x			x			x			The workers were friendly and helpful.
Treehouse Ln													
Treehouse Ln	x				x		x			x			Asphalt restoration not complete. Please finish.
Treehouse Ln													*Spoke in person. He said there is an illegal line in front of his house.
Walnut Glen Ct	x			x			x			x			Great contractors - Efficient, friendly, fast. Good communication from SSWD.
SUMMARY	18	0	4	19	3	0	21	0	1	21	1	0	

TOTAL CARDS DISTRIBUTED: 84

RESPONSES: 25

PERCENT RESPONSE : 29.8 %

EXHIBIT 4

Barcelona														
St Name	Was water restored within the allotted time frame?			Were your existing facilities, landscaping, concrete restored to your satisfaction?			Are you satisfied with your with water pressure, volume or quality?			Are you satisfied with the overall work performed?			Comments	
	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown	Yes	No	Unknown		
Barcelona Wy	x			x				x			x			Water pressure low in shower.
Barcelona Wy	x			x				x			x			
Barcelona Wy														
Barcelona Wy			x	x				x			x			Awesome job! Very little inconvenience to residence! =)
Barcelona Wy	x			x						x	x			Very good work - but my pressure in the kitchen is lower only!
Barcelona Wy			x	x					x		x			Workers were professional and friendly. They were respectful of our rights making the noise more tolerable. Comment: We feel like prisoners of every drop we use, while others are wasteful.
Barcelona Wy	x			x				x			x			Excellent job, bravo!!!
Barcelona Wy	x				x			x			x			Cracked my rain gutter curb on the side yard. Needs repaired.
Barcelona Wy	x			x				x			x			Everyone was professional and did a good job leaving the area nice. Thx.
Bell St	x			x				x			x			I have seen sink holes and cracks in backyard where dirt removed and repacked by SSWD crew. The rain did not cause a problem like this before the work.
Bell St	x			x					x		x			Water pressure appears to be lower. There is just a trickle from over-sink water filter.
El Camino					x							x		The meter was placed into flower bed left mess!!!
Estrellita Wy	x			x				x			x			Remain concerned about how the water meter will affect our usage cost.
Estrellita Wy	x			x						x	x			Backyard theft not long (couple days) after laborers had back yard access.
Estrellita Wy	x			x				x			x			
Estrellita Wy	x				x			x				x		Street paving looks horrible- Losse wire wrapped around the main like a spare part or missing item - half assed job!
La Paloma Wy	x			x				x			x			GOOD JOB
La Paloma Wy	x			x				x			x			Excellent job! Thank you! Everyone was polite and conscientious.
La Paloma Wy	x			x				x			x			Your crew did a great job.
SUMMARY	15	0	2	15	3	0	12	3	2	16	2	0		

TOTAL CARDS DISTRIBUTED : 105

RESPONSES : 19

PERCENT RESPONSE : 18.1 %



Agenda Item: 23

Date: April 6, 2016

Subject: Foundation for Cross-Connection Control and Hydraulic Research Laboratory Letter

Staff Contact: Jim Arenz, Operations Manager

The Foundation for Cross-Connection Control and Hydraulic Research Laboratory (Foundation), a division of the University of Southern California, provided the District with a letter of thanks for its cooperation with the very important work of evaluating new backflow prevention assemblies (assembly) (see Exhibit 1).

For over one hundred years, incidents where contaminants and pollutants have flowed backwards into potable drinking water supplies have been documented. The University of Southern California became involved in cross-connection control efforts before most had ever heard of backflow. A group of concerned individuals, believing that the unbiased efforts of an educational institution would better serve the ultimate aim of protecting potable water supplies, approached the University of Southern California asking that research be done in this area.

In 1944, the Trustees of the University of Southern California established the Foundation for Cross-Connection Control Research. The name has since been changed to the Foundation for Cross-Connection Control and Hydraulic Research (Foundation). The Foundation has developed a set of standards for backflow prevention assemblies and a number of products and services designed to help water utilities, health agencies, plumbing inspectors, private contractors, engineers and the general public in their cross-connection control efforts.

For the past several years the District has partnered with the Foundation to assist with the field evaluation of new assemblies. These assemblies were installed at District facilities as well as on the services of District customers willing to participate in the evaluation. As a result of the most recent evaluations, two (2) new assemblies successfully completed both the Laboratory and Field Evaluation phases of the Foundation's Approval Process, and have been added to the latest "List of Approved Backflow Prevention Assemblies." This list is utilized by the District to determine which assemblies will be approved for installation within the District.

During the evaluation period the assemblies are tested and examined monthly by Foundation field representatives. If at any time during the evaluation process the assembly is determined to be unsatisfactory in any way, the Foundation removes the assembly and installs a new assembly approved by the District at no cost. If the test assembly passes both the Laboratory and Field

April 6, 2016

Page 2 of 2

Evaluation phases, participants in the program are allowed to keep the newly installed assembly at no cost.

Production Department staff members have been instrumental in assisting the Foundation's Field Staff Coordinator in determining the ideal field test sites for these units and coordinating their installation and monthly testing.



16 March 2016

Sacramento Suburban Water District
5331 Walnut Avenue
Sacramento, CA 95841
Att: Doug Cater

re: Foundation Field Evaluation

Dear Mr. Cater:

The following assembly(s) has been under active Field Evaluation by the Foundation for Cross-Connection Control and Hydraulic Research, with our field crews testing this unit(s) on a monthly schedule for at least one year.

Backflow Direct 2.5" Deringer 20 Ser.# B01022 (ref. test #2014-02-03)
Antelope North Maintenance – 7800 Antelope North Road, Antelope, CA
(GPS: N38.70644, W121.33376 The assembly is a left inside under a freeze cover)

Backflow Direct 4" Deringer 30 Ser.# A01002 (ref. test #2014-03-01)
With Detector Check: Backflow Direct 1/2" Model CV, S/N B-0004
Sacramento Suburban Water District – 5331 Walnut Avenue, Sacramento, CA
(GPS N38.66335 W121.34853 The assembly is located near SW perimeter fence)

We would like to thank you for your cooperation with this very important work of the Foundation. The above installed assembly(s) has now successfully completed both the Laboratory and Field Evaluation phases of the Approval Process, and has been added to our latest "List of Approved Backflow Prevention Assemblies." Should you have any questions please call me at (323)662-3536. Thank you again for your help by providing a field test site for these units which protect the quality of water for all of us.

Sincerely,

A handwritten signature in cursive script that reads "John H. Cornett".

John H. Cornett,
Field Evaluation Coordinator

Cc: Backflow Direct, LLC



Agenda Item: 24

Date: April 6, 2016

Subject: Increase in Rebate Amounts

Staff Contact: Greg Bundesen, Water Conservation Supervisor

In May 2015 the Board of Directors (Board) authorized \$200,000 in Emergency Drought Funding to be allocated for the District’s new Rebate Program. The new Rebate Program provided funding for expanding Cash for Grass, Irrigation Efficiency Upgrades, Hot Water Recirculating Pumps, Rain Sensors, Weather-Based Irrigation Controllers (WBIC), Pool Covers, and direct installation of toilets for multi-family customers in disadvantaged communities. The results of the CY2015 Rebate Program are listed below in Table 1.

Table 1			
Program	Rebates Given	Max Rebate	Amount Spent
Cash for Grass	76	\$0.50/ft ² , \$1,000 cap	\$53,000
I.E. Upgrades	29	\$300	\$5,714
Hot Water Pumps	20	\$150	\$3,000
Rain Sensors	11	\$100	\$700
WBIC	20	\$100	\$1,875
Pool Covers	26	\$100	\$2,450
Direct Install for DAC	130	\$249	\$32,500
Total Rebate Amount Funded			\$99,239

Though the District did not spend all of the allocated funds for the Rebate Program in CY2015, staff anticipated drought conditions would continue and has budgeted \$200,000 for rebates in CY2016. Staff believes that customers will be more proactive about adjusting their water use habits due to continued drought conditions. Staff also believes that customer interest in rebates will grow beyond what was experienced by the District in CY2015.

The CY2015 Rebate Program funding totals were set based on a Cost Effective Analysis completed in April 2015. The results of the CY2015 analysis are shown in Table 2.

Increase in Rebate Amounts

April 6, 2016

Page 2 of 4

Table 2				
Program	Benefit	Cost	Result	Cost Eff if ≥ 1 (Y/N)
Cash for Grass	\$241	\$1,000	0.2	No
I.E. Upgrades	\$418	\$300	1.4	Yes
Hot Water Pumps	\$152	\$150	1.0	Yes
Rain Sensors	\$131	\$100	1.3	Yes
WBIC	\$90	\$100	0.9	No (but close)
Pool Covers	\$106	\$100	1.1	Yes
Direct Install for DAC	\$148	\$249	0.4	No

Despite the Cash for Grass rebate, WBIC, and the Direct Installation program’s lack of cost effective nature the District’s Board made the decision that exceptional drought conditions existed to the extent that District resources should be used to assist customers in conserving as much water as possible. This decision was made in conjunction with the District’s 32% water conservation reduction standard assigned by the State Water Resources Control Board (SWRCB) in May 2015.

On February 02, 2016 the SWRCB voted to extend the Emergency Drought Regulations through October 2016. The District received a three percentage point reduction for climate considerations, making the District’s new reduction standard 29%. The comparison periods are June 2015 – October 2016 compared to the same months of CY2013. The SWRCB is expected to revisit the application of the emergency regulations, perhaps on a regional basis, in May, 2016.

To assist the District in accomplishing a 29% reduction in water use for the SWRCB’s regulation and to assist the District in achieving its long-term water conservation goals, staff has increased the rebate funding amounts for CY2016 to make rebates more enticing to District customers. Staff received feedback from customers in CY2015 stating the rebate funding totals for the Irrigation Efficiency, Hot Water Recirculating Pump, Rain Sensor, and WBIC were not enough for customers to justify making the water efficient change to their water use. Customers often suggested that if the rebate amounts were increased and a portion of the rebate amount be allowed for installation labor costs, they would be more likely to participate in the District’s Rebate Program.

Staff reviewed the cost effectiveness of the rebates that will be offered as part of the CY2016 Rebate Program and Table 3 shows the results of the analysis. Staff has listed the new rebate amounts for each rebate as part of the CY2016 Rebate Program in the Cost column of Table 3. Please note that the financial benefits amount in Table 3 increased from Table 2 due to the District’s avoided cost of water increasing from \$350 to \$428. Avoided cost of water is based on the most expensive next source of water (per acre foot) the District has access to. Avoided cost can be a fluid number that is subject to change.

Table 3					
Program	Benefit	Cost	Labor Cost	Result	Cost Eff if ≥ 1
Cash for Grass	Not being offered in CY2016 due to DWR Rebate Program				
I.E. Upgrades	\$511	\$500*	\leq \$150	1.0	Yes
Hot Water Pumps	\$197	\$200*	\leq \$50	1.0	Yes
Rain Sensors	\$160	\$150*	\leq \$50	1.1	Yes
WBIC	\$116	\$150*	\leq \$50	0.8	No
Pool Covers	\$107	\$100	\$0.00	1.1	Yes
Direct Install for DAC	\$148	\$249	Included in Current Cost	0.4	No

* - Indicates an increase in rebate amount from CY2015.

The District is now offering the following rebate amounts:

1. Irrigation Efficiency Upgrades

- a. Increased the funding amount from \$300 to \$500.
- b. Now allowing for up to \$150 of the rebated amount to be used for installation labor costs.

2. Hot Water Recirculating Pumps

- a. Increased the rebate funding amount from \$150 to \$200.
- b. Now allowing for up to \$50 of the rebated amount to be used for installation labor costs.

3. Rain Sensors

- a. Increased the rebate funding amount from \$100 to \$150.
- b. Now allowing for up to \$50 of the rebated amount to be used for installation labor costs.

4. Weather-Based Irrigation Controllers

- a. Increased the rebate funding amount from \$100 to \$150.
- b. Now allowing for up to \$50 of the rebated amount to be used for installation labor costs.

The District is also not placing a spending cap on any one rebate. Staff will allocate rebate funding to customers on a first-come-first-served basis out of the \$200,000 Water Conservation Rebate funding pool. Rebates will continue to only equal what a customer pays as a result of making a change or installation. At no time will a customer be rebated more than what they spent. Staff will closely track the Rebate Program funding and report to the Board each month regarding the amount of funding spent on each rebate type, the total amount of funding spent during the reporting month, and how much total rebate funding remains available.

Increase in Rebate Amounts

April 6, 2016

Page 4 of 4

Staff will be retroactively providing the balance of the new rebate funding amounts to customers that have already received rebates in CY2016.



Agenda Item: 25

Date: April 5, 2016

Subject: Board Packet Preparation Process

Staff Contact: Daniel A. Bills, Finance Director

Discussion:

The District's process for producing materials for the monthly regularly scheduled Board meetings has been in place since 2004. This process produces hardcopy packets for Board review 1 to 2 business days prior to the date of the scheduled Board meeting, the third Monday of the month. At the March Board meeting, staff was asked to review the production schedule and recommend alternatives that would allow for director review, in essence, 3 to 4 business days ahead of the Board meeting date.

Current Process

The Board packet review and assembly process starts two weeks prior to the Board meeting date. During the first week, staff turns in reports with review performed by the General Manager beginning towards the end of the week and most often occurring over the weekend. Typically one of the last staff reports received for review by the General Manager is the Financial Report. The Financial Report cannot be completed nor analysis provided until all information is received from the billing system, accounts payable, inventory and capital project systems, and bank account and investment data are received from outside entities. This takes a minimum of five business days plus an additional 1-2 days to reconcile and perform analytical reviews. The Agenda is also prepared during the first week by the General Manager with distribution to the Board President and Legal Counsel occurring on Friday of the first week. Board President and Legal Counsel comments are requested by the following Monday.

Beginning the second week, one week prior to the Board meeting, the General Manager's comments on individual staff reports are reviewed by the staff who prepared the report with a response to, and re-review, if necessary, by the General Manager. Final Board items with exhibits are then produced by the Executive Assistant. Once complete, the entire Packet is then copied on Wednesday with distribution and posting to the District's website occurring on Thursday. As two directors have requested their Packets be mailed, receipt for them does not occur until Friday, one business day prior to the Board meeting.

The current process typically produces a Packet to Directors in 9-10 calendar days start to finish. This excludes the staff time for drafting the original material prior to submission. See current process timeline and tasks below:

Board Packet Preparation Process

April 5, 2016

Page 2 of 5

Current Production Process:

Sun	Monday	Tuesday	Wednesday	Thursday	Friday	Sat
	1	2	3 Staff Reports Received/ Exec. Asst. assembles	4 Staff Reports Received/ Exec. Asst. assembles/ GM Review	5 Staff Reports Received/ GM Review ----- Draft Agenda out	6 GM Review
7 GM Review	8 Edits Made	9 Edits Made	10 Final Edits Board Packet Assembly and Copying	11 Board Packet Assembly and Copying/Post to Website. Packets available for Directors	12 Delivery of mailed Packets to Directors ----- Directors Review	13 Directors Review
14 Directors Review	15 Board Meeting	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Several options are available to make the current process more efficient and more timely for Director receipt and review of the Packet. Such options are:

Option 1: Separate the current Board Packet into two separate packets, one for Directors information and the other for Board action at the Board meeting. Much of the information in the current Board Packet is categorized as “Information Items.” Most of these items, along with other materials, can be separated out from the Board Packet and delivered to Directors as monthly information/updates near the first of each month. As these items are information only, action and discussion are not required. However, should a Director wish to discuss an Information Item that is part of this first, informational Packet, the Director may contact the General Manager requesting the Board President consider agendizing the topic for the upcoming meeting. This process reduces the Board Packet size which reduces review and assembly time, thus allowing for a more expedient preparation process, and less time needed for Director review prior to the meeting. Staff notes that financial summary information would still be included in

Board Packet Preparation Process

April 5, 2016

Page 3 of 5

the Action Board Packet as month-end summary and analysis would not be complete by the end of the first week of the month.

Option 1 Timeline:

Sun	Monday	Tuesday	Wednesday	Thursday	Friday	Sat
	1	2 Staff Reports Received	3 Staff Reports Received/ GM Review	4 Staff Reports Received/ GM Review Information Packet Distributed to Board, public and website	5 Staff Reports Received/ GM Review Draft Agenda out	6
7	8 Edits Made	9 Edits Made	10 Board Packet Action items Assembly and Copying. Potential posting and Distribution	11 Board Packet Assembly and Copying/Post to Website. Packets available for Directors	12 Delivery of mailed Packets to Directors ----- Directors Review	13
14	15 Board Meeting	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Option 2: expands on Option 1, by eliminating manual copying and distribution to an electronic downloading of the Board Meeting Packet into District provided Tablets. This process will save the District roughly \$400 per month in copying and mailing costs and allow for receipt 1 to 2 days prior to the current process. The cost of each Tablet is roughly \$800; a total of \$4,000 for all 5 directors. The Tablets should last 5 years. With copying and mailing costs saving of \$4,800 per annum, the District should recover its investment in less than one year.

Board Packet Preparation Process

April 5, 2016

Page 4 of 5

Option 2 Timeline:

Sun	Monday	Tuesday	Wednesday	Thursday	Friday	Sat
	1	2 Staff Reports Received	3 Staff Reports Received/ GM Review	4 Staff Reports Received/ GM Review Information Packet Distributed	5 Staff Reports Received/ GM Review Draft Agenda out	6
7	8 Edits Made	9 Edits Made	10 Board Packet Assembly and Posting Electronic Distribution <hr/> Directors Review	11 Director Review	12 Director Review	13
14	15 Board Meeting	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Option 3: combines the current process and Option 2. Although volume and assembly inefficiencies would remain, it is viable to simply add downloading the current Board Packet to a Tablet in order to create additional director review time during the work week. Board materials would be available on Wednesday evening before the Board meeting for download, but there would be a lot of material to download.

Option 3 Timeline:

Sun	Monday	Tuesday	Wednesday	Thursday	Friday	Sat
	1 Staff Reports Received	2 Staff Reports Received	3 Staff Reports Received/ GM Review	4 Staff Reports Received/ GM Review	5 Staff Reports Received/ GM Review <hr/> Draft Agenda out	6 GM Review
7 GM Review	8 Edits Made	9 Edits Made	10 Board Packet Assembly and Posting <hr/> Directors Review	11 Directors Review	12 Directors Review	13
14	15 Board Meeting	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

All these options assume the Board meeting date remains on the third Monday of the month. Additional options could easily include leaving the Board Packet preparation and timing roughly the same, and simply moving the Regular Board meeting to later in the month. If, in the example months shown, staff produced the package for distribution one day later (on a Friday instead of Thursday) and the monthly meeting was held on the fourth Monday instead of the third Monday, Directors would have 5 working days and 9 calendar days to review the packet prior to the meeting. A disadvantage would be the summary information from the previous month's operations would be one additional week removed.

Staff is open for questions and Board direction.



Agenda Item: 26

Date: April 6, 2016

Subject: California Urban Water Conservation Council Coverage Reports (BMPs)

Staff Contact: Greg Bundesen, Water Conservation Supervisor

Every two years the District fills out and submits Water Conservation Best Management Practice (BMP) Coverage Reports to the California Urban Water Conservation Council (Council). BMP Coverage reports for CY2013 and CY2014 were due by October 31, 2015 (reports are normally due in June of the reporting year, but the deadline was extended to October 2015 for considerations regarding the changes to BMP 1.4 – Water Conservation Pricing). Staff prepared and submitted the coverage reports in October 2015. The Council returned the District’s coverage reports with no comments. The District was noted as “On Track” for all of its required BMPs (with the exception of BMP 1.4 – Water Conservation Pricing for which the District is legally exempt due to not being a fully metered system) and its Gallons Per Capita per Day (GPCD) compliance option. Exhibit 1 shows the Coverage Reports for 2013 and 2014’s BMPs, as well as the District’s progress with its GPCD compliance option. By complying with the Council’s BMPs, the District will be found in compliance with the Urban Water Management Planning Act and the Sacramento Water Forum Agreement.



CUWCC BMP Retail Coverage Report 2013

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Operation Practices

ON TRACK

7049 Sacramento Suburban Water District

1. Conservation Coordinator provided with necessary resources to implement BMPs?

Name:

Title:

Email:

2. Water Waste Prevention Documents

WW Document Name	WWP File Name	WW Prevention URL	WW Prevention Ordinance Terms Description
Option A Describe the ordinances or terms of service adopted by your agency to meet the water waste prevention requirements of this BMP.		http://www.sswd.org/modules/showdocument.aspx?documentid=7083	Water Conservation Regulation and Water Shortage Contingency Plan
Option B Describe any water waste prevention ordinances or requirements adopted by your local jurisdiction or regulatory agencies within your service area.			
Option C Describe any documentation of support for legislation or regulations that prohibit water waste.			
Option D Describe your agency efforts to cooperate with other entities in the adoption or enforcement of local requirements consistent with this BMP.			
Option E Describe your agency support positions with respect to adoption of legislation or regulations that are consistent with this BMP.			
Option F Describe your agency efforts to support local ordinances that establish permits requirements for water efficient design in new development.			

At Least As effective As

Exemption

Comments:



CUWCC BMP Retail Coverage Report 2013

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Operation Practices

ON TRACK



CUWCC BMP Coverage Report 2013

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.2 Water Loss Control

ON TRACK

7049 Sacramento Suburban Water District

- Completed Standard Water Audit Using AWWA Software? Yes
- AWWA File provided to CUWCC? Yes
- BMP 1.2 - 2013.xls
- AWWA Water Audit Validity Score? 70
- Complete Training in AWWA Audit Method Yes
- Complete Training in Component Analysis Process? Yes
- Component Analysis? Yes
- Repaired all leaks and breaks to the extent cost effective? Yes
- Locate and Repair unreported leaks to the extent cost effective? Yes

Maintain a record keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair. Yes

Provided 7 Types of Water Loss Control Info

Leaks Repairs	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Of Interventions	Water Saved (AF)
147	349181	133949	15.8	False		8.06

At Least As effective As

Exemption

Comments:



CUWCC BMP Coverage Report 2013

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.3 Metering With Commodity

ON TRACK

7049 Sacramento Suburban Water District

Numbered Unmetered Accounts	Yes
Metered Accounts billed by volume of use	Yes
Number of CII Accounts with Mixed Use Meters	2260
Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	Yes
Feasibility Study provided to CUWCC?	Yes
Date:	10/30/2013
Uploaded file name:	
Completed a written plan, policy or program to test, repair and replace meters	Yes
At Least As effective As	<input type="text" value="No"/>
Exemption	<input type="text" value="No"/>
Comments:	



CUWCC BMP Coverage Report 2013

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.4 Retail Conservation Pricing

Exempt

7049 Sacramento Suburban Water District

Implementation (Water Rate Structure)

Customer Class	Water Rate Type	Conserving Rate?	(V) Total Revenue Comodity Charges	(M) Total Revenue Fixed Carges
Single-Family	Increasing Block	Yes	6440393.76	17820685.3
Multi-Family	Increasing Block	Yes	648653.63	1538200.82
Commercial	Other	No	3710825.33	5182452.94
Industrial	Other	No	15999.43	30727.78
Institutional	Other	No	965802.43	1063519
Dedicated Irrigation	Other	No	669609.47	738161.47
			12451284.05	26373747.31

Calculate: V / (V + M) 32 %

Implementation Option: Use Canadian Water Wastewater Association Rate Design Model

Use 3 years average instead of most recent year

Canadian Water and Wastewater Association

Upload file:

Agency Provide Sewer Service: No

At Least As effective As

Exemption

Comments:

Sacramento Suburban Water District is exempt in accordance with MOU, BMP 1.4, Part 1 - B, Agencies with Partially metered service areas, subsection 2. SSWD is scheduled to be fully metered by 2025.



CUWCC BMP Coverage Report 2013

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

7049 Sacramento Suburban Water District Retail

Does your agency perform Public Outreach programs? Yes

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

The name of agency, contact name and email address if not CUWCC Group 1 members

Did at least one contact take place during each quarter of the reporting year? Yes

Public Outreach Program List	Number
Newsletter articles on conservation	178000
Flyers and/or brochures (total copies), bill stuffers, messages printed on bill, information packets	552000
Website	166197
Email Messages	6875
Total	903072

Did at least one contact take place during each quarter of the reporting year? Yes

Number Media Contacts	Number
News releases	10
Television contacts	5
Radio contacts	6
Articles or stories resulting from outreach	9
Newspaper contacts	2
Total	32

Did at least one website update take place during each quarter of the reporting year? Yes

Public Information Program Annual Budget

Annual Budget Category	Annual Budget Amount
Public Outreach	113000
Total Amount:	113000

Public Outreach Additional Programs

Landscape Water Conservation Media Campaigns

Webiste Links

Dedicated Phone Line

Booths at Local Events

Adult Education/Training



CUWCC BMP Coverage Report 2013

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

Description of all other Public Outreach programs

Sacramento Kings and Sacramento River Cats

Comments:

At Least As effective As

No

--

Exemption

No

0



CUWCC BMP Coverage Report 2013

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.2 School Education Programs

ON TRACK

7049 Sacramento Suburban Water District

Retail

Does your agency implement School Education programs? Yes

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

Materials meet state education framework requirements? Yes

Student news paper supplement, Be Water Smart Teachers Guide, Living Rivers of the Sacramento Valley news paper.

Materials distributed to K-6? Yes

Student newspaper supplement called Be Water Smart News, Water, the Never Ending Cycle is distributed by the Sacramento Bee to all (K-12) past participants of the Media in Education Program and to teachers that have subscribed.

Materials distributed to 7-12 students? Yes (Info Only)

Living Rivers of the Sacramento Valley is distributed by the Sacramento Bee to all (9-12) teachers that have subscribed for this particular water supplement or chose to participate in the Water Spots Video Contest

Annual budget for school education program: 31000.00

Description of all other water supplier education programs

The Be Water Smart News teaches kids to practice water efficiency in every-day activities. This newspaper supplement, now entitled Water, the Never Ending Cycle, is presented by the Regional Water Authority and The Sacramento Bee's Media in Education

Comments:

At Least As effective As No

Exemption No 0



CUWCC BMP Retail Coverage Report 2014

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Operation Practices

ON TRACK

7049 Sacramento Suburban Water District

1. Conservation Coordinator provided with necessary resources to implement BMPs?

Name:

Title:

Email:

2. Water Waste Prevention Documents

WW Document Name	WWP File Name	WW Prevention URL	WW Prevention Ordinance Terms Description
Option A Describe the ordinances or terms of service adopted by your agency to meet the water waste prevention requirements of this BMP.		http://www.swwd.org/modules/showdocument.aspx?documentid=7083	Water Conservation Regulation & Water Shortage Contingency Plan
Option B Describe any water waste prevention ordinances or requirements adopted by your local jurisdiction or regulatory agencies within your service area.		http://www.swwd.org/modules/showdocument.aspx?documentid=7083	Water Conservation Plan / Water Shortage Contingency Plan.
Option C Describe any documentation of support for legislation or regulations that prohibit water waste.			
Option D Describe your agency efforts to cooperate with other entities in the adoption or enforcement of local requirements consistent with this BMP.			
Option E Describe your agency support positions with respect to adoption of legislation or regulations that are consistent with this BMP.			
Option F Describe your agency efforts to support local ordinances that establish permits requirements for water efficient design in new development.			

At Least As effective As

Exemption

Comments:



CUWCC BMP Retail Coverage Report 2014

Foundational Best Management Practices for Urban Water Efficiency

BMP 1.1 Operation Practices

ON TRACK



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.2 Water Loss Control

ON TRACK

7049 Sacramento Suburban Water District

Completed Standard Water Audit Using AWWA Software? Yes

AWWA File provided to CUWCC? Yes

Copy_of_BMP_1.2_-_2014.xls

AWWA Water Audit Validity Score? 81

Complete Training in AWWA Audit Method Yes

Complete Training in Component Analysis Process? Yes

Component Analysis? Yes

Repaired all leaks and breaks to the extent cost effective? Yes

Locate and Repair unreported leaks to the extent cost effective? Yes

Maintain a record keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair. Yes

Provided 7 Types of Water Loss Control Info

Leaks Repairs	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Of Interventions	Water Saved (AF)
186	89958	102583	17.8	False		1

At Least As effective As

Exemption

Comments:



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.3 Metering With Commodity

ON TRACK

7049 Sacramento Suburban Water District

Numbered Unmetered Accounts	Yes
Metered Accounts billed by volume of use	Yes
Number of CII Accounts with Mixed Use Meters	2405
Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	Yes
Feasibility Study provided to CUWCC?	Yes
Date: 10/21/2015	
Uploaded file name: BMP 1.3 Fesability Study 12-2013.xls	
Completed a written plan, policy or program to test, repair and replace meters	Yes
At Least As effective As	<input type="text" value="No"/>
Exemption	<input type="text" value="No"/>
Comments:	



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 1.4 Retail Conservation Pricing

Exempt

7049 Sacramento Suburban Water District

Implementation (Water Rate Structure)

Customer Class	Water Rate Type	Conserving Rate?	(V) Total Revenue Comodity Charges	(M) Total Revenue Fixed Carges
Single-Family	Increasing Block	Yes	5466990.37	17399434.2
Multi-Family	Increasing Block	Yes	2036661.23	3119385.14
Commercial	Other	No	1624893.56	3702593.77
Industrial	Other	No	10586.16	25245.05
Institutional	Other	No	881091.22	1100234.85
Dedicated Irrigation	Other	No	806376.62	857567.4
			10826599.16	26204460.41

Calculate: V / (V + M) 29 %

Implementation Option: Use Canadian Water Wastewater Association Rate Design Model

Use 3 years average instead of most recent year

Canadian Water and Wastewater Association

Upload file:

Agency Provide Sewer Service: No

At Least As effective As

Exemption

Comments:

Sacramento Suburban Water District is exempt in accordance with MOU, BMP 1.4, Part 1 - B, Agencies with Partially metered service areas, subsection 2. SSWD is scheduled to be fully metered by 2025.



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

7049 Sacramento Suburban Water District Retail

Does your agency perform Public Outreach programs? Yes

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

The name of agency, contact name and email address if not CUWCC Group 1 members

Did at least one contact take place during each quarter of the reporting year? Yes

Public Outreach Program List	Number
Landscape water conservation media campaigns	178000
Flyers and/or brochures (total copies), bill stuffers, messages printed on bill, information packets	552000
Website	166197
Email Messages	6875
Total	903072

Did at least one contact take place during each quarter of the reporting year? Yes

Number Media Contacts	Number
News releases	11
Television contacts	40
Radio contacts	24
Articles or stories resulting from outreach	9
Newspaper contacts	40
Written editorials	1
Total	125

Did at least one website update take place during each quarter of the reporting year? Yes

Public Information Program Annual Budget

Annual Budget Category	Annual Budget Amount
Public Outreach	113000
Total Amount:	113000

Public Outreach Additional Programs

Landscape Water Conservation Media Campaigns

Website Links

Dedicated Phone Line

Booths at Local Events



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.1 Public Outreach

ON TRACK

Public Outreach Additional Programs

Adult Education/Training

Description of all other Public Outreach programs

Sacramento River Cats promoting Blue Thumb Branding.

Comments:

At Least As effective As

Exemption



CUWCC BMP Coverage Report 2014

Foundational Best Management Practices For Urban Water Efficiency

BMP 2.2 School Education Programs

ON TRACK

7049 Sacramento Suburban Water District

Retail

Does your agency implement School Education programs? Yes

The list of wholesale agencies performing public outreach which can be counted to help the agency comply with the BMP

Materials meet state education framework requirements? Yes

Student news paper supplement, Be Water Smart Teachers Guide, Living Rivers of the Sacramento Valley news paper.

Materials distributed to K-6? Yes

Student newspaper supplement called Be Water Smart News, Water, the Never Ending Cycle is distributed by the Sacramento Bee to all (K-12) past participants of the Media in Education Program and to teachers that have subscribed.

Materials distributed to 7-12 students? Yes (Info Only)

Living Rivers of the Sacramento Valley is distributed by the Sacramento Bee to all (9-12) teachers that have subscribed for this particular water supplement or chose to participate in the Water Spots Video Contest

Annual budget for school education program: 31000.00

Description of all other water supplier education programs

The Be Water Smart News teaches kids to practice water efficiency in every-day activities. This newspaper supplement, now entitled Water, the Never Ending Cycle, is presented by the Regional Water Authority and The Sacramento Bee's Media in Education

Comments:

At Least As effective As No

Exemption No 0



CUWCC BMP Coverage Report 2014

7049 Sacramento Suburban Water District

Baseline GPCD: 250.89

GPCD in 2014 169.14

GPCD Target for 2018: 205.70

Biennial GPCD Compliance Table

ON TRACK

Year	Report	Target		Highest Acceptable Bound	
		% Base	GPCD	% Base	GPCD
2010	1	96.4%	241.90	100%	250.90
2012	2	92.8%	232.80	96.4%	241.90
2014	3	89.2%	223.80	92.8%	232.80
2016	4	85.6%	214.80	89.2%	223.80
2018	5	82.0%	205.70	82.0%	205.70



Agenda Item: 27

Date: April 7, 2016

Subject: Charges for Non-Project Use of Excess Capacity in Bureau of Reclamation Facilities

Staff Contact: Dan York, Assistant General Manager

The Bureau of Reclamation (Reclamation) currently has a draft release of their Reclamation Manual (RM) that is used to establish Reclamation wide requirements, assign program responsibility and establish, and document Reclamation wide methods of doing business. The draft addition to the RM is intended to set forth the requirements for contracting for the use of excess capacity in Reclamation project facilities.

The purpose of the draft RM is to set forth requirements for contracting for the use of excess capacity in Reclamation facilities, establish general requirements for excess capacity contracting, including identifying appropriate contracting authorities, and will assist Reclamation in addressing major rehabilitation and replacement needs of its facilities.

The Central Valley Project American River Division water service contractors and partner agencies (Contracting Agencies) generated a letter in November 2015 expressing concerns with Reclamation that the proposal to increase charges for use of excess capacity in Reclamation facilities as a means of financing the backlog of operations and maintenance for projects west-wide. The Contracting Agencies are Sacramento Suburban Water District, San Juan Water District, City of Folsom, East Bay Municipal Utility District, El Dorado Irrigation District, Placer County Water Agency, City of Roseville, El Dorado County Water Agency, SMUD and County of Sacramento. The Contracting Agencies subsequently provided Reclamation with a detailed summary of legal, regulatory and contractual concerns dated February 10, 2016.

Stakeholders had an opportunity to provide comments by March 18, 2016. The Contracting Agencies provided comments by the March 18th deadline, attached to this report as Exhibit 1. The Contracting Agencies are hopeful Reclamation will acknowledge and accept the provided comments.

EXHIBIT 1



FOLSOM DAM



March 18, 2016

Ms. Yolanda Smith, Lead Program Analyst
Office of Program and Policy Services
Denver Federal Center
P.O. Box 25007
Denver CO 80225-0007
ysmith@usbr.gov

Subject: Joint Comments, Proposed Directives and Standards PEC 05-10 and PEC 05-11

Dear Ms. Smith:

The purpose of this correspondence is to transmit consolidated comments by the Central Valley Project (CVP) American River Division water service contractors and partner agencies (together the Contracting Agencies) regarding Bureau of Reclamation (Reclamation) Draft D&S PEC 05-10, "Contracting for Non-Project Use of Excess Capacity in Reclamation Facilities", and Draft D&S PEC 05-11, "Charges for Non-Project Use of Excess Capacity in Bureau of Reclamation Project Facilities" (together the Draft D&S'). In summary, the Draft D&S' would first increase charges to contracting entities for use of excess capacity in Reclamation facilities; then allow Reclamation to retain and expend payments received from those entities without further appropriation by Congress.

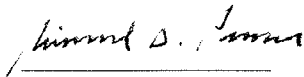
By letter dated November 23, 2015, the Contracting Agencies advised Reclamation leadership that methods and assumptions underlying this concept were materially flawed both technically and from a public policy perspective. The Contracting Agencies requested Reclamation set aside the Draft D&S' and instead engage with the Contracting Agencies in a separate, collaborative process to achieve our common interest of ensuring safe, operationally reliable CVP facilities over the long term. The Contracting Agencies subsequently provided Reclamation with a detailed summary of legal, regulatory and contractual concerns dated February 10, 2016. The summary was requested by the Mid-Pacific Region for their reference in internal meetings with legal counsel and Reclamation policy staff.

The Contracting Agencies still anticipate that Reclamation will reply to our November 23, 2015 correspondence and February 10, 2016 summary. Substantive feedback from Reclamation is an essential starting point for a partnership effort to address long term CVP facility reliability.

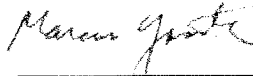
Notwithstanding, Reclamation's Office of Policy (OP) asserts it will implement the Draft D&S' upon expiration of the current comment period. Accordingly, the Contracting Agencies are compelled to consolidate and timely submit formal comments to the Draft D&S' consistent with our continuing perspective that the rate calculation and cost recovery provisions of Draft D&S' cannot apply to the CVP (enclosure 1).

Thank you for your consideration. The Contracting Agencies are hopeful Reclamation will acknowledge and accept our comments regarding the preeminence of the Secretary's CVP Ratesetting Policies and the terms and conditions of existing CVP contracts. If Reclamation determines otherwise, the Contracting Agencies would appreciate a written record of the reasoning supporting that decision.

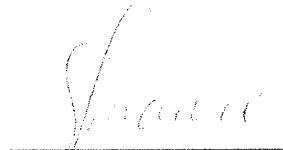
Sincerely,




Richard D. Plecker
Environmental Utilities
Director
City of Roseville



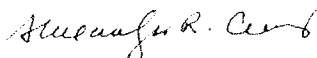
Marcus Yasutake
Environmental and Water
Resources Director
City of Folsom



Shauna Lorance
General Manager
San Juan Water District



Andrew Fecko
Director, Resource
Development
Placer County Water Agency



Alexander Coate
General Manager
East Bay Municipal Utility
District



Steven K. Sorey
Director, Energy Trading and
Contracts
Sacramento Municipal Utility
District



Rob Roscoe
General Manager
Sacramento Suburban Water
District



Jim Abercrombie
General Manager
El Dorado Irrigation District



Kenneth V. Payne, P.E.
Interim General Manager
El Dorado County Water
Agency



Michael Peterson
Director/Agency Engineer
Sacramento County Water
Agency

cc: Estevan Lopez, Commissioner, U.S. Bureau of Reclamation
Ms. Roseann Gonzalez, Director, Office of Policy, U.S. Bureau of Reclamation
Mr. David Murillo, Regional Director, Mid-Pacific Region

Enclosures: 1

Comments and Recommendation

APPLICABILITY OF DRAFT D&S PEC 05-10 AND DRAFT D&S PEC 05-11 TO THE CENTRAL VALLEY PROJECT (CVP)

Comment 1: Modify paragraph 5 of Draft D&S 05-11 as follows (edits in bold italics):

“Charges for Use of Excess Capacity. Appropriate charges will be assessed for the non-project use of excess capacity in Reclamation projects. Charges *for projects other than the CVP* will include OM&R, and a construction charge where appropriate, as described below, and will be utilized as described in RM D&S Contracting for Non-Project Use of Excess Capacity in Reclamation Project Facilities. PEC 05-10. *Charges for excess use of CVP facilities will be determined in accordance with the Secretary’s then-existing CVP Ratesetting Policies and applicable provisions of CVP water service and repayment contracts.*”

Comment 2: Modify paragraph 5 of Draft D&S 05-10 as follows (edits in bold italics):

“BON Requirements. Where contracting authority is already delegated, the regional director will develop pricing *for projects other than the CVP* in accordance with RM D&S, Charges for Non-Project Use of Excess Capacity in Reclamation Project Facilities. (PEC 05-11). *Charges for excess use of CVP facilities will be determined in accordance with the Secretary’s then-existing CVP Ratesetting Policies and applicable provisions of CVP water service and repayment contracts.*”

Comment 3: Modify subparagraph 6C of Draft D&S PEC 05-10 as follows (edits in bold italics):

“Charges for Use of Excess Capacity. The excess capacity contract will assess an OM&R charge and fixed charge (as applicable). *OM&R charges for excess use of CVP facilities will be determined in accordance with the Secretary’s then-existing CVP Ratesetting Policy and applicable provisions of CVP water service and repayment contracts. OM&R charges for projects other than the CVP will be determined in accordance with this subparagraph.*”

Basis for Comments 1 – 3. Comments 1 – 3 reflect the Contracting Agencies contention that the Draft D&S’ cannot apply to the CVP. The main reasons are:

Reason 1 (Regulatory). The CVP Ratesetting Policies are Interior policies and cannot be superseded by a bureau-level directive.

a. Regulatory Framework. The CVP Irrigation Ratesetting Policy and the CVP M&I Ratesetting were developed, approved and implemented as a Department policy consistent with the Department Manual and related DOI directives. Representative citations include, but are not limited to: Part 200, Chapter 1, Delegation of Authority; Part 200, Chapter 3, Re-delegations Issued by Assistant Secretaries; and Part 301, Chapter 2, Public Participation in Decision-making. In summary, all program authorities must be formally delegated; exercise of that authority must conform with “any requirements that the person making the delegation would be called upon to observe” including “relevant policies, standards, programs, organization and

budgetary limitations, and administrative instructions prescribed by officials of the Office of the Secretary or bureau”.

b. The Office of the Assistant Secretary for Water and Science (AS/WS) exercised continuing oversight throughout the policy-development process. Oversight by the AS/WS was a very deliberate decision in response to the extraordinary level of Congressional and public interest and related controversy. The following provides a brief characterization of circumstances at the time. This is just a synopsis. Reclamation maintained a very extensive administrative record for both policies. These records are available in Reclamation’s archives. In summary:

- The original 40-year CVP contracts were fixed rate contracts. Over time, Reclamation’s annual and cumulative O&M costs far exceeded revenues derived from these 40-year contracts. This dynamic resulted in a growing deficiency in complying with statutory requirements for CVP project repayment. It also resulted in an increasingly significant O&M deficit.
- Reclamation honored the terms of the then-existing contracts and withheld any action to adjust the fixed-rate or impose any additional charge or rate to recover the accumulated repayment or O&M deficits pending contract renewal.
- The original 40-year contracts began to expire beginning 1988. In advance of that date, Congress enacted the Coordinated Operations Act (COA) of 1986 (Pub. L. No. 99-546, 100 Stat. 3050-56) which included several provisions for addressing the CVP cost recovery deficiency. In particular:
 - Section 105 established 2030 as a firm repayment deadline for contractors to repay all construction costs and O&M deficits existing as of 1986 and required contracts to include provisions for adjusting rates if it is found that the rate in effect may not be adequate to recover Federal investments.
 - Section 106 established specific requirements for calculating individual contractor O&M deficits and required the Secretary of the Interior include provisions in each new or amended CVP contract for recovery of such accumulated O&M deficits.
- In compliance with P.L. 99-546, and because the first-expiring CVP contracts were exclusively irrigation contracts, Reclamation began finalizing a comprehensive CVP Irrigation Ratesetting Policy in the late 1980s. The final CVP Irrigation Ratesetting Policy approved by the AS/WS is based upon the cost-of-service (COS) principle.
- The policy development process was very lengthy and very contentious. In addition to complying with the statutory mandate, Reclamation also had to contend with audits and reviews by the DOI Office of Inspector General (OIG) and Government Accountability Office (GAO); enormous opposition from CVP contractors whose historically low water rates would be replaced upon contract renewal by significantly higher COS rates; and extraordinary interest by the general public, other project stakeholders, Congressional Committees and individual members of Congress

- Because of the volatility and extent of these four factors (statutory requirements, OIG/GAO findings, contractor opposition, Congressional and stakeholder interest) the AS/WS retained direct policy-level oversight throughout the ratesetting development process. The AS/WS also reserved final approval authority for the completed policy.

- In the early 1990's, Reclamation initiated a corresponding process to develop and implement a CVP M&I Ratesetting Policy. That process was similarly contentious for all the same reasons as the CVP Irrigation Ratesetting Policy. In addition, the proposed M&I Ratesetting Policy required calculation and recovery of the accumulated M&I O&M deficit as mandated by P.L. 99-546. The M&I O&M deficit issue led to extensive litigation which was eventually settled at the Department level.

- As with the Irrigation Ratesetting Policy, the AS/WS exercised direct oversight of the M&I ratesetting development process, and reserved final approval authority over the completed CVP M&I Ratesetting Policy.

c. The AS/WS approved the final DOI CVP Ratesetting Policies without further delegating authority to formally amend or modify.

(1) The CVP Irrigation Ratesetting Policy was approved by the AS/WS as a Department policy in 1988. There is no record of any delegation to the Commissioner of authority to amend the policy without approval by the AS/WS.

(2) The CVP M&I Ratesetting Policy was approved by the AS/WS as a Department Policy on March 14, 1995. The approval memorandum from the Assistant Secretary does not delegate any authority to Reclamation to formally modify or amend or implement a Final CVP M&I Ratesetting Policy without further approval by the AS/WS.

NOTE: For purposes of this paper, the terms “formally amend” or “formally modify” are intended to mean a structured, public process to change some actual provision of the existing, approved CVP Ratesetting Policies. By that definition, neither DOI nor Reclamation has ever initiated any action to formally amend or modify the policies. However, in managing the approved ratesetting policies, Reclamation has periodically developed and issued supplements to reflect uniform interpretation of an existing policy provision; or to comply with litigation settlements, court-decisions, or audit findings. Examples include:

- Including reimbursable security costs in CVP water rates pursuant to new legislation

- Adjusting accumulated deficits as a result of the M&I Deficit settlement.

- Adjusting individual and cumulative CVP repayment obligations for conversion by Friant contractors to repayment contracts under authority of the San Joaquin River Restoration Act.

d. In accordance with the approved policies, DOI requires all CVP water rates to be based upon the COS principle. Specifically:

(1) The CVP Irrigation Ratesetting Policy requires (underscore added): “The cost-of-service water rates apply to all types of water within the CVP, including Class 1, Class 2 and the storage and/or conveyance of non-project water in CVP facilities. All CVP irrigation cost-of-service and full cost pricing determinations are made in accordance with the ratesetting policy”.

(2) The CVP M&I Ratesetting Policy states: “Two fundamental concepts underlie the Proposed Policy: Individual Contractor Accounting, and Cost of Service water rates” . . . “Cost of Service refers to the determination of annual water rates based on the Government’s cost of providing M&I water to the individual contractor’s designated delivery point. This includes recovery, within the authorized repayment period, of: (1) annual O&M costs, (2) interest costs, (3) M&I investment costs, and (4) any individual contractor deficit balances”.

Reason 2 (Contractual). Draft D&S PEC 05-10 and Draft D&S PEC 05-11 cannot conflict with CVP contract provisions. Specifically:

a. The Draft D&S cannot supersede Article 17(b)(1) or comparable provision of existing CVP water service contracts which state (underscore added): “The Contractor may introduce non-Project water into Project facilities and deliver said water to lands within the Contractor’s Service Area, including Ineligible Lands subject to payment to the United States and/or to any applicable Operating Non-Federal Entity of an appropriate rate as determined by the applicable Project ratesetting policy . . .”

b. The Draft D&S cannot supersede Article 7(i) or comparable provision of CVP repayment contracts which state (underscore added): “All revenues received by the United States from the Contractor relating to the delivery of Project Water or the delivery of non-project water through Project facilities shall be allocated and applied in accordance with Federal Reclamation law and the associated rules or regulations, the then-existing Project Ratesetting policies for M&I Water or Irrigation Water . . .”

c. Article 7(a) of CVP water service and repayment contracts verifies that the CVP Ratesetting Policies are Department level policies and establishes requirements for any proposed amendments (underscore added): “The Contractor shall pay the United States as provided in this Article for all Delivered Water at Rates, Charges, and the Tiered Pricing Component established in accordance with: (i) the Secretary’s then-existing ratesetting policy for [M&I] [Irrigation] Water. Such ratesetting policy shall be amended, modified, or superseded only through a public notice and comment procedure; . . .”

d. The Draft D&S cannot supersede Article 5, paragraph 5(a) or comparable provisions of existing CVP Warren Act Contracts which state (underscore added): “The Contractor shall pay the United States as provided in this Article for the conveyance of Non-Project Water pursuant to this Contract at the Rate set forth in Exhibit A, as may be revised annually in accordance with CVP ratesetting policies”.

APPLICABILITY OF THE INTERIOR DEPARTMENT APPROPRIATIONS ACT FOR 1928, DATED JANUARY 12, 1927 (1927 ACT)

Comment 4: In conjunction with Comment 3 above, modify paragraphs 6C(2), 6C(2)(a) and 6C(2)(b) in Draft D&S PEC 05-10 as follows (edits in strikethrough and bold italics):

6C(2) Replacement Component. The Replacement component of the OM&R charge *for projects other than the CVP* will be established as described in PEC 05-11. In accordance with the 1927 Act, the excess capacity contract will identify the Replacement component and describe the purpose as providing funding for future Extraordinary Maintenance (XM) needs as defined in Section 3(B) of PEC 05-03. **For all projects, revenues derived from the Replacement component will be allocated 100% to the project that is providing excess capacity and 50% to be used Reclamation-wide, unless otherwise established by law.**

6C(2)(a) Reserved Works. For reserved works, ~~5100%~~ of the “R” component will be retained and used for ~~project-specific XM~~ mutually designated projects *in accordance with an advance O&M funding agreement.*

6C(2)(b) Transferred Works. For transferred works, ~~5100%~~ of the “R” component will be paid to the operating entity as identified in the contract.

Basis for Contractor Comment 4.

1. Project Accounting. Reclamation law, policies, and practices governing cost recovery, repayment and budgeting are all based upon individual project accounting. Consistent with those laws, policies and practices 100% of all revenues from contracts for use of excess capacity should remain with the project that is providing the excess capacity.

2. Internal Controls. The 1927 Act is essentially a funding authority and is not directly related to water rates or project cost allocation. Reclamation has historically invoked this authority in partnership with CVP water and power contractors to complete priority O&M projects that were otherwise unfunded by federal appropriations. In every case, Reclamation negotiated and executed standalone, voluntary “Advance O&M Funding Agreements” with participating contractors which defined individual roles and responsibilities, the term and scope of the contract, payment requirements and other requirements and conditions. Each individual Advance O&M Funding Agreement was reviewed and approved for legal sufficiency prior to execution.

Interjecting this authority into Draft D&S’ ostensibly pertaining to water rates and cost recovery, without any corresponding internal control requirements, has been a major source of confusion and concern by the Contracting Agencies. Retention and use by Reclamation of contract payments without appropriate internal controls represent enormous risks including, but not limited to, qualification of Reclamation’s annual financial statements and augmentation or other violations of appropriations law. To reduce this risk, the Contracting Agencies strongly encourage Reclamation to require advance O&M funding agreements or comparable means to ensure accountability in each case prior to retaining and using payment revenues.



Agenda Item: 28

Date: April 7, 2016

Subject: Legislative and Regulatory Update

Staff Contact: Dan York, Assistant General Manager

RWA Government Affairs Committee

The current legislative activity is focused on bills in the policy committees of the house of origin. The RWA lobbyist members are monitoring these revised spot bills, as well as other relevant legislation, to determine what priority to give them and what position should be taken. Currently there are 131 bills of interest on the list. The bills are comprised of 33 Hot Bills, 37 Low Priority Bills, and 24 Spot Bills, attached to this report as Exhibits 1-3.

The RWA Water Resources Team will be traveling to Washington DC for the Cap-to-Cap trip April 9-13, 2016. The Water Resources Team has scheduled meetings with Mark Antoniewicz, Deputy Associate Assistant for Public Engagement, Congressman Ami Bera, Andrew Dohrmann with Senator Boxer's office, Garrett Durst with Congressman Garamendi's office, Congresswoman Doris Matsui, Matthew Muirragui, Professional Staff Member, Logan Ferree, Legislative Director, Thomas Iseman, Deputy Assistant Secretary, Jackie Silver, Legislative Assistant, Kevin Eastman, Communications/Legislative Director, Joaquin Esquivel, Assistant Secretary for Federal Water Policy, and Steven Koncar, Senior Legislative Assistant.

State

On March 28, 2016, the State Water Resources Control Board (State Water Board) hearing officers for the California WaterFix (WaterFix) water right change petition hearing received a letter from the Department of Water Resources and the U.S. Bureau of Reclamation (collectively Petitioners) requesting a 60-day continuance of all dates and deadlines associated with the hearing. On March 28, 2016, the hearing officers also received a request from several parties to dismiss the petition. On March 29, 2016, the State Water Board received additional requests to delay and stay the hearing pending resolution of several matters. The Sacramento Valley Water Users group and the American River water agencies group will continue to prepare the necessary testimony to protect the agencies' interests.

The State Water Board on April 1, 2016 issued the first mandatory water system consolidation order authorized by SB 88, passed into law in 2015. The order directs the City of Tulare to connect Matheny Tract, currently being served by Pratt Mutual Water Company in Tulare

County, to its water system. Matheny Tract, which serves approximately 1,500 residents in a disadvantaged community within the county, has been in violation of the maximum contaminant level for arsenic since 2010. After being issued a compliance order by the California Department of Public Health (currently Division of Drinking Water) in 2010, the Pratt Mutual Water Company approached Tulare about consolidation but ultimately could not reach a voluntary agreement and negotiations ended in litigation in 2011.

State Bills of Interest (2015 two year bills)

Key Bills	Topic	Recommended Position
a. AB 452 (Bigelow)	GW Regulation	Watch
b. AB 453 (Bigelow)	GW Management	Support
c. AB 585 (Melendez)	Outdoor Water Efficiency: tax credit	Watch
d. AB 603 (Salas)	Income Taxes: tax credit	Watch
e. AB 647 (Eggman)	Storing of Water Underground	Oppose unless Amended
f. AB 935 (Salas)	Water Projects	Watch
g. AB 937 (Salas)	GW Planning	Watch
h. AB 1139 (Campos)	Turf Removal: tax credit	Watch
i. AB1201 (Salas)	Predation by nonnative species	Watch
j. AB 1242 (Gray)	Water Quality and Storage	Support
k. AB 1362 (Gordon)	Mosquito Abatement: apt of members	Support
l. AB 1376 (Perea)	Drought related drinking water projects	Watch
m. SB 7 (Wolk)	Water Meters: multi-unit structures	Watch
n. SB 20 (Pavley)	CA Water Resiliency Inv. Act	Watch

Federal

Citing the cumulative effects of the multiyear drought, on April 1, 2016, the U.S. Bureau of Reclamation (Bureau) today released what it called a “cautious” estimate for its initial 2016

water supply allocation for the Central Valley Project. Due to improved drought conditions in Northern California, north-of-Delta contractors have been allocated 100% of their contract supply, while south-of-Delta agricultural contractors will see much less – just 5% – and eastside contractors have received a zero allocation this year. The Bureau highlighted several factors affecting the low south-of-Delta allocations: below average conditions in New Melones and San Luis reservoirs, a lack of water at the beginning of the 2016 water year, and environmental restrictions on water that can be exported from the Delta.

Federal Bills of Interest (113th Congress)

- a. **HR 5781 California Emergency Drought Relief Act of 2014** - This bill was recently introduced in the House of Representatives following failure of a Senate compromise bill, pushed by Senator Feinstein, to gain sufficient support. Several Republican Congressmen Valadao, Nunes, McCarthy, McClintock, Calvert, and La Malfa were joined by central valley Democrat Costa in sponsoring the bill. HR 5781 passed the House but is not expected to pass the Senate this term. Adding bill language to a must-pass omnibus spending bill is being considered.
- 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.

**2016 Hot List- DRAFT
2/29/2016**

AB 1555 (Gomez D) Greenhouse Gas Reduction Fund.**Current Text:** Introduced: 1/4/2016 [pdf](#) [html](#)**Introduced:** 1/4/2016**Status:** 1/5/2016-From printer. May be heard in committee February 4.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would state the intent of the Legislature to enact future legislation that would appropriate \$1,700,000,000 from the Greenhouse Gas Reduction Fund for the 2015-16 fiscal year that would be allocated to different entities in amounts to be determined in the future legislation for purposes including low carbon transportation and infrastructure, clean energy communities, and community climate improvements, wetland and watershed restoration, and carbon sequestration.

Position	Priority
Support	HIGH

AB 1585 (Alejo D) Monterey County Water Resources Agency: Lake Nacimiento and Lake San Antonio.**Current Text:** Amended: 2/8/2016 [pdf](#) [html](#)**Introduced:** 1/6/2016**Status:** 2/9/2016-Re-referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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 \$25,000,000 from an unspecified source 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. This bill contains other related provisions.

Position	Priority
Watch	Medium

AB 1587 (Mathis R) Groundwater: subsidence abatement.**Current Text:** Amended: 2/24/2016 [pdf](#) [html](#)**Introduced:** 1/6/2016**Status:** 2/25/2016-Re-referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would, during a period for which the Governor has issued a proclamation of a state of emergency based on drought or flood conditions, prohibit the State Water Resources Control Board from requiring a permit to recharge groundwater if the water may be diverted and used without injury to a lawful user of water, and the water may be diverted and used without unreasonable effect on other beneficial uses. This bill contains other related provisions and other existing laws.

Position	Priority
Watch	Medium

AB 1588 (Mathis R) Water and Wastewater Loan and Grant Program.**Current Text:** Introduced: 1/6/2016 [pdf](#) [html](#)**Introduced:** 1/6/2016**Status:** 2/1/2016-Referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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 \$20,000,000 from the General Fund. This bill contains other related provisions.

Position	Priority
Watch	Medium

AB 1589 (Mathis R) California Environmental Quality Act: exemption.

Current Text: Amended: 2/24/2016 [pdf](#) [html](#)

Introduced: 1/6/2016

Status: 2/25/2016-Re-referred to Com. on NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chapted
1st House				2nd House				Conc.			

Summary: Would, for the duration of a state of emergency proclaimed by the Governor due to drought, flood, or fire, exempt from the requirements of CEQA projects that are undertaken, carried out, or approved by a public agency to mitigate the effects of, or conditions caused by, drought, flood, or fire. This bill contains other related provisions and other existing laws.

Position	Priority
Watch	Medium

AB 1590 (Mathis R) State Water Resources Control Board: appointments.

Current Text: Amended: 2/24/2016 [pdf](#) [html](#)

Introduced: 1/6/2016

Status: 2/25/2016-Re-referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chapted
1st House				2nd House				Conc.			

Summary: Would require that an additional 4 members be appointed to the State Water Resources Control Board by the Legislature. The bill would require that one member each be appointed by the Speaker of the Assembly, the Assembly Minority Leader, the President pro Tempore of the Senate, and the Senate Minority Leader. The bill would require that vacancies be immediately filled by the appointing power.

Position	Priority
Watch	Medium

AB 1647 (Waldron R) Environmental quality: water storage facilities.

Current Text: Introduced: 1/12/2016 [pdf](#) [html](#)

Introduced: 1/12/2016

Status: 2/4/2016-Referred to Com. on NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chapted
1st House				2nd House				Conc.			

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. The act exempts certain specified projects from its requirements. This bill would exempt a project to expand the storage capacity of an existing surface water storage facility, or to replace an existing surface water storage facility, that is owned and operated by a public entity if that public entity adopts, by resolution, findings and declarations that the project meets specified criteria.

Position	Priority
Watch	Medium

AB 1649 (Salas D) Water Quality, Supply, and Infrastructure Improvement Act of 2014: water storage projects.

Current Text: Introduced: 1/12/2016 [pdf](#) [html](#)

Introduced: 1/12/2016

Status: 1/13/2016-From printer. May be heard in committee February 12.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chapted
1st House				2nd House				Conc.			

Summary: Would state the intent of the Legislature to enact legislation to ensure surface water storage is funded and built consistent with the goals of Proposition 1 and that the commission fulfills the original intent of the water storage project provisions of Proposition 1. 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 those specified public benefits to the greatest extent.

Position	Priority
Watch	Medium

AB 1716 (McCarty D) Lower American River Conservancy.

Current Text: Introduced: 1/27/2016 [pdf](#) [html](#)

Introduced: 1/27/2016

Status: 2/18/2016-Referred to Com. on NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law establishes various conservancies in the Natural Resources Agency to acquire, manage, direct the management of, and conserve public lands in the state. This bill would establish in the Natural Resources Agency the Lower American River Conservancy to receive and expend proceeds from bonds or other appropriations for the benefit of the American River Parkway, as defined. The bill would create the Lower American River Conservancy Fund in the State Treasury, and would specify that moneys in the fund shall be available, upon appropriation, for the purposes of the conservancy.

Position **Priority**
 Watch Medium

AB 1749 (Mathis R) California Environmental Quality Act: exemption: recycled water pipelines.

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

Introduced: 2/2/2016

Status: 2/18/2016-Referred to Com. on NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: CEQA exempts from its requirements projects consisting of the construction or expansion of recycled water pipeline and directly related infrastructure within existing rights of way, and directly related groundwater replenishment, if the project does not affect wetlands or sensitive habitat, and where the construction impacts are fully mitigated, and undertaken for the purpose of mitigating drought conditions for which a state of emergency was proclaimed by the Governor on a certain date. CEQA provides that this exemption remains operative until the state of emergency has expired or until January 1, 2017, whichever occurs first. This bill would extend that date to January 1, 2022.

Position **Priority**
 Support Medium

AB 1755 (Dodd D) The Open and Transparent Water Data Act.

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

Introduced: 2/2/2016

Status: 2/18/2016-Referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would enact the Open and Transparent Water Data Act. The act would require the department to establish a public benefit corporation that would create and manage a statewide water information accounting system to improve the ability of the state to meet the growing demand for water supply reliability and healthy ecosystems and an online water transfer information clearinghouse for water transfer information that would include, among other things, a database of historic water transfers and transfers pending responsible agency approval and a public forum to exchange information on water market issues.

Position **Priority**
 Watch HIGH

AB 1882 (Williams D) Oil and gas: groundwater monitoring.

Current Text: Introduced: 2/11/2016 [pdf](#) [html](#)

Introduced: 2/11/2016

Status: 2/25/2016-Referred to Com. on NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

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.

Position **Priority**
 Support Medium

AB 1925 (Chang R) Desalination: statewide goal.

Current Text: Introduced: 2/12/2016 [pdf](#) [html](#)

Introduced: 2/12/2016

Status: 2/25/2016-Referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would establish a goal to desalinate ____ acre-feet of drinking water per year by the year 2025 and ____ acre-feet of drinking water per year by the year 2030.

Position **Priority**
 Watch Medium

AB 1989 (Jones R) Drought: water supply.

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

Introduced: 2/16/2016

Status: 2/25/2016-Referred to Com. on W., P., & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Department of Water Resources and the State Water Resources Control Board, by ____, to prepare and submit to the Legislature a report that includes recommendations relating to drought preparedness. The bill would require the department and the board to conduct an annual survey of public and private water suppliers relating to water supply reliability in the event of a drought.

Position **Priority**
 Watch Medium

AB 2040 (Melendez R) Outdoor Water Efficiency Act of 2016: personal income tax credits: outdoor water efficiency.

Current Text: Introduced: 2/17/2016 [pdf](#) [html](#)

Introduced: 2/17/2016

Status: 2/18/2016-From printer. May be heard in committee March 19.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

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, 2017, and before January 1, 2022, 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.

Position **Priority**
 Watch Medium

AB 2099 (Stone, Mark D) Safe drinking water assistance program.

Current Text: Introduced: 2/17/2016 [pdf](#) [html](#)

Introduced: 2/17/2016

Status: 2/18/2016-From printer. May be heard in committee March 19.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the State Department of Social Services to establish and administer a safe drinking water assistance program to provide cash benefits to low-income households, as defined, with inadequate access to safe drinking water so that they may obtain safe drinking water. The bill would specify that eligible low-income households include, but are not limited to, households in a disadvantaged community, households eligible for interim emergency drinking water benefits from the State Water Resources Control Board, and households whose private wells have gone dry or become contaminated, as specified.

Position **Priority**
 Watch Medium

AB 2304 (Levine D) California Water Market Exchange.

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

Introduced: 2/18/2016

Status: 2/19/2016-From printer. May be heard in committee March 20.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would establish the California Water Market Exchange, governed by a 5-member board, in the Natural Resources Agency. This bill would require the market exchange, on or before December 31, 2017, to create a centralized water market platform on its Internet Web site that provides ready access to information about water available for transfer or exchange.

Position **Priority**
 Watch Medium

AB 2480 (Bloom D) Source watersheds: maintenance and repair.

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would declare it to be state policy that source watersheds are recognized and defined as integral components of California's water system. The bill would also declare that their maintenance and repair are eligible for financing on an equivalent basis with other water collection and treatment infrastructure.

Position **Priority**
Watch Medium

AB 2525 (Holden D) Water-efficient landscaping.

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would require the Department of Water Resources 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 turf 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.

Position **Priority**
Watch Medium

AB 2550 (Patterson R) State Water Resources Control Board: instream flow curtailments: compensation.

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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.

Position **Priority**
Watch Medium

AB 2551 (Gallagher R) Surface storage: design-build contracts.

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would authorize certain surface storage projects that receive Proposition 1 funding to use the design-build method of project delivery.

Position **Priority**
Support Medium

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

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Current law, the Sacramento-San Joaquin Delta Reform Act of 2009, establishes the Delta

Stewardship Council and requires the council to develop, adopt, and commence implementation of a comprehensive management plan for the Delta, known as the Delta Plan. This bill would add a definition of the California Water Fix to the act. This bill contains other related provisions and other current laws.

Position **Priority**
 Watch Medium

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

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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.

Position **Priority**
 Watch Medium

AB 2617 (Mayes R) Water efficiency measures.

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would require the Energy Commission to develop and solicit comments on a proposed report, in consultation with certain subject matter experts, by December 1, 2017, and, by July 1, 2018, to issue a final report that contains, among other things, the projected benefits of recommended voluntary water efficiency measures and an analysis of any unintended adverse environmental impacts that would result from various water efficiency measures.

Position **Priority**
 Watch Medium

AB 2722 (Burke D) Transformative Climate Communities Program.

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

Introduced: 2/19/2016

Status: 2/22/2016-Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would create the Transformative Climate Communities Program, to be administered by the Strategic Growth Council. The bill would appropriate \$250,000,000 from the Greenhouse Gas Reduction Fund to the council to administer the program. The bill would require the council, in coordination with the California Environmental Protection Agency Assistant Secretary for Environmental Justice and Tribal Affairs, to award competitive grants to specified eligible entities for transformative climate community plans in disadvantaged communities, as defined.

Position **Priority**
 Watch Medium

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

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

Introduced: 2/18/2016

Status: 2/19/2016-From printer. May be heard in committee March 20.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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.

Position **Priority**
Watch Medium

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

Current Text: Introduced: 1/4/2016 [pdf](#) [html](#)

Introduced: 1/4/2016

Status: 1/28/2016- Referred to Coms. on N.R. & W. and JUD.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would declare that excessive water use, as defined by each urban retail water supplier, is a waste or unreasonable use of water. This bill would prohibit excessive water use by a residential customer and would make a violation of this prohibition an infraction punishable by a fine of at least \$500 per 100 cubic feet of water used above the excessive water use definition in a billing cycle. By creating a new infraction, this bill would impose a state-mandated local program. This bill contains other related provisions and other existing laws.

Position **Priority**
Oppose Medium

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

Current Text: Introduced: 1/27/2016 [pdf](#) [html](#)

Introduced: 1/27/2016

Status: 2/4/2016- Referred to Coms. on E., U., & C. and N.R. & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would require the Public Utilities Commission, before July 1, 2017, in consultation with the Independent System Operator, to adopt and implement policies or tariffs to address the oversupply of renewable energy resources, including, but not limited to, a tariff for use by facilities that create or augment local water supplies, like desalination, brackish water desalting, water recycling, or water reuse facilities, based on certain economic factors. This bill contains other related provisions and other existing laws.

Position **Priority**
Watch Medium

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

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

Introduced: 2/18/2016

Status: 2/19/2016-From printer. May be acted upon on or after March 20.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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 imposed and collected by the local agency or its publicly owned utility on behalf of the authority pursuant to a servicing agreement. The bill would authorize the authority to issue bonds to fund the program.

Position **Priority**
Watch Medium

SB 1262 (Pavley D) Water supply planning.

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

Introduced: 2/18/2016

Status: 2/19/2016-From printer. May be acted upon on or after March 20.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: 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 require, if a water source for a proposed project includes water of a quality not sufficient to meet certain drinking water standards, that prescribed additional information be included in a water supply assessment. This bill, if no water system is identified, would require a city or county to prepare a technical report containing prescribed

information.

Position
Watch
Priority
Medium

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

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

Introduced: 2/18/2016

Status: 2/19/2016-From printer. May be acted upon on or after March 20.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would, commencing January 1, 2017, prohibit an application for a permit for a new public water system from being deemed complete unless the applicant has submitted a preliminary technical report to the State Water Resources Control Board, as specified, and would allow the state board to impose technical, financial, or managerial requirements on the permit.

Position
Watch
Priority
Medium

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

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

Introduced: 2/18/2016

Status: 2/19/2016-From printer. May be acted upon on or after March 20.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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.

Position
Watch
Priority
Medium

SB 1294 (Pavley D) The California Community Climate, Drought, and Jobs Resiliency Act.

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

Introduced: 2/19/2016

Status: 2/22/2016-From printer. May be acted upon on or after March 23. Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would require the Department of Resources Recycling and Recovery to award grants to local conservation corps certified by the California Conservation Corps for projects that improve the climate and drought resiliency of urban canopies, community landscaping, and urban greening efforts through the use of various water conservation methods, including the application of compost and mulch.

Position
Watch
Priority
Medium

SB 1317 (Wolk D) Conditional use permit: groundwater extraction facility.

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

Introduced: 2/19/2016

Status: 2/22/2016-From printer. May be acted upon on or after March 23. Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would, by July 1, 2017, require a city or county overlying a basin designated as a high- or medium-priority basin to establish a process for the issuance of conditional use permits for the development of a groundwater extraction facility in order to prevent a new groundwater extraction facility from contributing to or creating an undesirable result, as prescribed. By increasing the duties of cities and counties, this bill would impose a state-mandated local program.

Position
Watch
Priority
Medium

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

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

Introduced: 2/19/2016

Status: 2/22/2016-From printer. May be acted upon on or after March 23. Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would prohibit a local agency formation commission from authorizing a city or a district to extend drinking water infrastructure or services or wastewater infrastructure or services until it has extended those services to all disadvantaged communities within or adjacent to its sphere of influence, as specified, or has entered into an agreement to extend those services to those disadvantaged communities, unless specified conditions are met. This bill contains other related provisions and other existing laws.

Position **Priority**
 Watch HIGH

SB 1340 (Wolk D) Water Conservation in Landscaping Act

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

Introduced: 2/19/2016

Status: 2/22/2016-From printer. May be acted upon on or after March 23. Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

Summary: Would add to the model water efficient landscape ordinance a permit requirement for the installation, expansion, or replacement of specified automatic irrigation systems for a landscape project on or after July 1, 2017. The bill would allow the governing body of a local agency to adopt an ordinance prescribing fees for filing an application for the permit, subject to the restrictions that the fees not exceed the amount reasonably required to review applications and issue the permits and that the fees not be levied for general revenue purposes.

Position **Priority**
 Watch Medium

SB 1440 (Cannella R) Environmental quality: Water Quality, Supply, and Infrastructure Improvement Act of 2014.

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

Introduced: 2/19/2016

Status: 2/22/2016-From printer. May be acted upon on or after March 23. Read first time.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conc.			

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.

Position **Priority**
 Watch Medium

Total Measures: 37
Total Tracking Forms: 37

**2016 RWA Low Priority Bills
2/29/2016**

- AB 1586 (Mathis R) California Environmental Quality Act: Temperance Flat Reservoir.**
Summary: Would prohibit the court, in an action or proceeding alleging a violation of CEQA, 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 1683 (Eggman D) Alternative energy financing.**
Summary: Would prohibit the sales and use tax exclusions from exceeding \$200,000,000 for each calendar year. By increasing the limit on the sales and use tax exclusion, this bill would include a change in state statute that would result in a taxpayer paying a higher tax within the meaning of Section 3 of Article XIII A of the California Constitution, and thus would require for passage the approval of 2/3 of the membership of each house of the Legislature. The bill would specify that if less than \$200,000,000 is granted in a calendar year, the unallocated amount may roll over to the following calendar year.
- AB 1694 (Lackey R) Water Quality, Supply, and Infrastructure Improvement Act of 2014: stormwater: multibenefit projects.**
Summary: The Water Quality, Supply, and Infrastructure Improvement Act of 2014 requires \$200,000,000 of these funds to be available for grants for multibenefit stormwater management projects. This bill, in implementing these grants for multibenefit stormwater management projects, would require special consideration to be given to projects that would use cisterns for water storage and flood protection. This bill would appropriate \$90,000,000 from the proceeds of the bond act for the purpose of the grants for multibenefit stormwater management projects.
- AB 1704 (Dodd D) Water rights.**
Summary: Current law requires applicants for appropriation of water for small domestic, small irrigation, or livestock stockpond use to register with the State Water Resources Control Board, as specified. Current law requires the registration to include a certification that the registrant has contacted a representative of the Department of Fish and Wildlife and has agreed to comply with conditions set forth by the Department of Fish and Wildlife. This bill would, instead, require the registrant to provide a copy of the registrant's registration form to the Department of Fish and Wildlife and agree to general conditions, as specified.
- AB 1713 (Eggman D) Sacramento-San Joaquin Delta: peripheral canal.**
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 1738 (McCarty D) Building Standards: Dark Graywater.**
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 rulemaking 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 1815 (Alejo D) California Global Warming Solutions Act of 2006: disadvantaged communities.**
Summary: Current law requires the 3-year investment plan to allocate a minimum of 25% of the available moneys in the Greenhouse Gas Reduction Fund to projects that provide benefits to disadvantaged communities. This bill would require the State Air Resources Board to prepare and post on its Internet Web site a specified report on the projects funded to benefit disadvantaged communities. This bill contains other related provisions.
- AB 1841 (Irwin D) Office of Emergency Services: duties: cybersecurity.**
Summary: Would require the Office of Emergency Services to develop and transmit to the Legislature a state-wide emergency services response plan for cybersecurity attacks on critical infrastructure systems, as defined. The bill would further require the office to develop a comprehensive cybersecurity strategy setting standards for state agencies, as defined, and private entities to prepare for cybersecurity attacks on critical infrastructure systems. The bill would require state agencies, and authorize private entities, to report its cybersecurity strategy to the office.
- AB 1842 (Levine D) Water: pollution: fines.**
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 polluting 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.

AB 1866 (Wilk R) High-speed rail bond proceeds: redirection: water projects.

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) Desalination.

Summary: Would provide that it is the intention of the Legislature that when a state agency considers an application relating to desalination that the agency, when considering alternatives, should consider the cost of those alternatives in order to ensure that project financing does not become significantly more expensive or difficult.

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

Summary: Would postpone the date by which the State Energy Resources Conservation and Development Commission is to adopt the performance standards and labeling requirements for landscape irrigation controllers and moisture sensors to January 1, 2018, and would prohibit, on and after January 1, 2020, the sale of that equipment unless it meets the performance standards and labeling requirements. The bill would additionally require the commission, in adopting those standards and requirements, to consider developments in landscape irrigation efficiency occurring on or after January 1, 2010.

AB 2022 (Gordon D) Advanced purified demonstration water.

Summary: Would authorize the operator of a facility producing advanced purified demonstration water, as defined, to cause that water to be bottled and distributed as samples for educational purposes and to promote water recycling. The bill would prohibit the advanced purified demonstration water from being distributed unless the water meets or is superior to all federal and state drinking water standards. The bill would authorize advanced purified demonstration water to be bottled at a licensed water-bottling plant in compliance with specified provisions.

AB 2042 (Harper R) Water desalination facilities.

Summary: Would declare the intent of the Legislature to enact legislation relating to water desalination facilities.

AB 2043 (Harper R) Desalination.

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 recycling: beer and wine.

Summary: Current law requires the State Water Resources Control Board to establish uniform statewide recycling criteria for each varying type of use of recycled water where the use involves the protection of public health. This bill would require the board to adopt uniform water recycling criteria for the use of recycled water in the manufacture of beer and wine.

AB 2139 (Williams D) State Water Resources Control Board: California Ocean Plan.

Summary: The Porter-Cologne Water Quality Control Act requires the State Water Resources Control Board to formulate and adopt state policies for water quality control and to formulate and adopt, and review at least every 3 years, a water quality control plan for the ocean waters of the state known as the California Ocean Plan. This bill would require the state board, on or before January 1, 2018, to either amend the plan or adopt separate standards to address water quality objectives and effluent limitations that specifically relate to carbon dioxide and pH levels within the state's coastal waters.

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

Summary: The Public Utilities Act requires the Public Utilities 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. 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.

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 2373 (Gray D) Merced Irrigation District

Summary: The Irrigation District Law provides for the formation of irrigation districts with prescribed powers, including acting to put to any beneficial use any water under the district's control. This bill would appropriate \$45,000 from the General Fund to the Merced Irrigation District for implementing irrigation and water use efficiency strategies for small communal farms in the County of Merced. This bill contains other related provisions.

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

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 Water Quality, Coastal Protection, and Outdoor Access Improvement Act of 2016.

Summary: Would declare the intent of the Legislature to enact the California Water Quality, Coastal Protection, and Outdoor Access Improvement Act of 2016, which would authorize the issuance of bonds to finance a water quality, coastal protection, and outdoor access improvement program.

AB 2446 (Gordon D) Natural resources: protection.

Summary: Current law declares that resource conservation is of fundamental importance to the prosperity and welfare of the people of this state. This bill would declare the intent of the Legislature to enact legislation that would protect the state's land and water resources.

AB 2534 (Nazarian D) Los Angeles River.

Summary: Would declare the intent of the Legislature to enact legislation to promote the revitalization of the Los Angeles River.

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

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. This bill would require the Lake Alpine Water Company to file the report on or before January 1, 2018, and would delete these provisions on January 1, 2019.

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

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.

Summary: The Planning and Zoning Law requires that the safety element be reviewed and updated, in the case of flooding and fire hazards, upon the next revision of the housing element after specified dates or, in the case of climate adaptation and resilience strategies, upon either the next revision of a local hazard mitigation plan after a specified date or on or before January 1, 2022, as applicable. This bill would instead require a planning agency to review and revise the safety element to identify new information, as described above, only after to address flooding and fires.

SB 995 (Pavley D) Well standards.

Summary: Would, on or before January 1, 2019, require the Department of Water Resources to update well standards for certain types of wells based on existing knowledge. This bill would require the department to establish an advisory panel to identify critical gaps in existing knowledge about the best practices for well construction, alteration, maintenance, and destruction for these wells. This bill would, on or before January 1, 2022, require the advisory panel to make recommendations for improvements in well regulations and the department to submit the recommendations to the State

Water Resources Control Board.

SB 1000 (Leyva D) Land use: general plans: environmental justice.

Summary: The Planning and Zoning Law requires the legislative body of each county and city to adopt a comprehensive, long-term general plan for the physical development of the county or city and of any land outside its boundaries that bears relation to its planning. This bill would add to the required elements of the general plan an environmental justice element that identifies and appraises the burdens of undesirable land uses within disadvantaged communities, as defined, or that disproportionately impact a particular population on the basis of race, national origin, ethnic group identification, religion, age, sex, sexual orientation, color, or disability for specified purposes.

SB 1026 (Nielsen R) Department of Fish and Wildlife: lake or streambed alteration agreements.

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 1112 (Cannella R) Utilities: water and sewer systems corporations: transactions.

Summary: Would require a water or sewer system corporation with less than 2,000 service connections to receive the Public Utilities Commission's approval before entering into specified transactions valued at \$5,000,000. The bill would provide that if a water or sewer system corporation fails to receive the commission's approval, 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 existing laws.

SB 1114 (Allen D) Stormwater resource planning: project funding.

Summary: Would, by March 1, 2017, require the State Water Resources Control Board to include as part of its guidance a list of potential funding sources available to a public agency to fund projects identified in a public agency's stormwater resource plan.

SB 1170 (Wieckowski D) Public contracts: water pollution prevention plans: delegation.

Summary: Would 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, except as provided. 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.

Summary: Current law requires the replacement of plumbing fixtures that are not water conserving, defined as "noncompliant plumbing fixtures," in residential and commercial real property built and available for use on or before January 1, 1994, as specified. Current law defines "commercial real property," "multifamily residential real property," and "water-conserving plumbing fixture" for purposes of these provisions. This bill would amend the definition of specified noncompliant plumbing fixtures to lower water usage thresholds.

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

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 1415 (Bates R) California Environmental Quality Act: water projects: exemption.

Summary: Would exempt from the requirements of CEQA drought-oriented projects, as specified, proposed by one or more public agencies, or a combination of public agencies and private organizations, that have the purpose of mitigating drought conditions for which a state of emergency has been declared by the Governor pursuant to the California Emergency Services Act. This bill contains other existing laws.

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

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 public water system is a community public water system or a not-for-profit noncommunity public water system, or whether the public water system is owned by a public agency or private not-for-profit water company.

Total Measures: 37

Total Tracking Forms: 37

**2016 Listing of Spot Bills
2/29/2016**

- AB 1794** (**Garcia, Cristina** D) Municipal water districts: board of directors.
- AB 1979** (**Bigelow** R) Urban water management plans.
- AB 1981** (**Mayes** R) California Environmental Quality Act: environmental impact report.
- AB 1986** (**Wilk** R) Water resources: permit to appropriate: application procedure.
- AB 2038** (**Gaines, Beth** R) California Environmental Quality Act: environmental impact report: substantial evidence.
- AB 2112** (**Dahle** R) Safe Drinking Water Act.
- AB 2241** (**Dahle** R) State policy for water quality control.
- AB 2271** (**Quirk** D) Energy efficiency.
- AB 2335** (**Gaines, Beth** R) Waste discharge reports.
- AB 2357** (**Dahle** R) Water rights: measurement of diversion.
- AB 2470** (**Bigelow** R) Water quality: organization and membership of regional boards.
- AB 2515** (**Weber** D) Water districts: financial supervision.
- AB 2541** (**Dahle** R) Public utilities.
- AB 2543** (**Gordon** D) State buildings: efficiency.
- AB 2570** (**Quirk** D) Public Utilities Commission: inspection and audit of books and records.
- AB 2603** (**Nazarian** D) Public Utilities Commission: proceedings: intervenor compensation.
- AB 2639** (**Garcia, Eduardo** D) Water quality: Porter-Cologne Water Quality Control Act.
- AB 2657** (**Chu** D) Water Quality, Supply, and Infrastructure Improvement Act of 2014.
- SB 1096** (**Berryhill** R) Waste discharge requirements.
- SB 1164** (**Cannella** R) Sustainable Groundwater Management Act: groundwater sustainability agencies.
- SB 1328** (**Lara** D) Water Quality, Supply, and Infrastructure Improvement Act of 2014.
- SB 1422** (**Glazer** D) Water corporations: rate regulation.
- SB 1469** (**Stone** R) Groundwater sustainability agencies.
- SB 1472** (**Mendoza** D) Flood management.

Total Measures: 24

Total Tracking Forms: 24



Agenda Item: 29

Date: April 7, 2016
Subject: General Manager's Report
Staff Contact: Robert S. Roscoe, General Manager

a. McClellan Restoration Advisory Board (RAB) Meeting Update

District staff continues to attend the quarterly meetings of the McClellan Restoration Advisory Board (RAB). The RAB provides a forum for the local community, regulatory agencies, and Air Force to work together and share information on current and future environmental cleanup programs and reuse at the former base. The RAB includes representatives from the Air Force, state and federal regulatory agencies, McClellan Business Park, Sacramento County, and the local community. The next RAB meeting is scheduled for 6:30 pm on May 19, 2016, and will be held at the North Highlands Recreation Center.

b. Continuous Flow Report

On February 10, 2016 staff used the District's Advanced Metering System (AMI) to identify customers that had 72 hours of continuous water use indicating the strong possibility that a leak existed at the location. These leaks can account for significant amount of water usage inside a home each year. Using this information, staff developed and sent out post cards notifying both the location and the property owners of the suspected leak. During the initial notification period 92 customers received post cards. In the short time since the program began, staff discovered that recent upgrades to the AMI communication network have improved the percentage of accurate meter reads thus increasing the number of continuous use events. As a result, in March 2016 the number of customers identified as having 72 hours of continuous water use increased to 352.

This program has been very successful in helping customers discover leaks within their house or on their property that they are often times completely unaware of. Staff has received very positive feedback from grateful customers who have been able to repair these leaks and reduce their water consumption and monthly bill. The program has great potential to help the District and its customers achieve even greater water savings in the coming years as more and more meters are transitioned to AMI.

Unfortunately, staff has also now identified "Repeat Offenders" those customers identified on subsequent or successive reports. Customers identified on three consecutive reports that are either unwilling or unable to identify and repair the source of the continuous water use will receive a site visit by District staff to verify if there is a leak and to ensure that the

customer/tenant is made aware of the condition. To help achieve the greatest success for this program, staff is working on options to address these customers should they continue to take no action towards correcting the continuous flow condition. Staff will present their ideas to the Board at a future Regular Board meeting.

c. Well 32A Landscape Improvement Conceptual Plan

In 2015 the District faced unprecedented drought conditions. In an effort to show our customers that the District was willing to do everything necessary to comply with the Emergency Drought Regulations, staff discontinued the irrigation of all turf at Well 32A located on the southwest corner of Eden Ct. and Root Ave. To demonstrate a proactive approach to safeguard assets against the next inevitable drought cycle, staff would like to partner with EcoLandscape California (ELC), the authority on River Friendly Landscaping (RFL), a concept designed as an integrated, watershed-based approach to landscape design, construction, maintenance, and management, to discuss the idea of a demonstration Garden at this site.

ELC is a Sacramento-based non-profit organization dedicated to educating and advocating for ecologically-responsible landscapes. With the expert guidance of working landscape and irrigation specialists, the organization will combine classroom training in RFL Design and Drip Irrigation Design with the physical transformation of the site, providing excellent hands-on training in landscape retrofitting for landscape professionals. ELC is willing to take the following approach to transitioning the existing landscape at Well 32A:

1. Use ELC's existing "New California Landscape" detailed landscape plans as modified for the site's specific requirements (see Exhibit 1 in Agenda Item 13, Drought Tolerant Garden - Fulton/El Camino Parks and Recreation District). These landscape plans have already been developed and are offered at no cost;
2. Leverage ELC's existing landscape and irrigation training workshops to provide the labor of the landscapers being formally trained in low-volume irrigation practices to install the irrigation system at Well 32A. This hands-on approach will offer a cost-efficient, benefit-rich solution to transforming well site irrigation systems;
3. Utilize low-maintenance, Model Water Efficient Landscaping Ordinance (MWELO)compliant, low-water use landscape that will include an attractive blend of climate-appropriate, drought-tolerant, and California Native plants; and,
4. Utilize signage to provide further customer education about the benefits and practices of transitioning a residential landscape from a lawn intensive landscape to a River-Friendly Landscape.

There are several benefits to the District's customers for installing another demonstration garden. The two existing demonstration gardens, Antelope and William Pond Park, are not tailored to an existing residential property. By installing a RFL at Well 32A, customers will be given an example of how to implement the different concepts from each type of garden in

a residential setting. Staff has received several phone calls from customers who are interested in transitioning their property away from grass that died as a result of the drought.

Staff will work with ELC to develop an appropriate landscape plan and a cost associated for the installation of the landscape plan at Well 32A, and will move forward with having ELC install the RFL at Well 32A, once the monitoring well project has been completed.

d. Employee Recruitment, Hiring and Promotion Policy (PL – HR 009)

The Employee Recruitment, Hiring and Promotion Policy (PL – HR 009) came before the Board last month for its biennial review. It was presented as an information item with comments or suggested changes to be submitted by Directors by April 4, 2016. Suggested changes were received and raised legal issues staff needs to research prior to bringing the policy back for further Board review. This research will include whether this policy is needed since Water Code Section 30580 gives the General Manager full power and authority to employ and discharge employees.

e. Upcoming Customer Service Vacancy

There will soon be a vacancy for a full-time Customer Service Representative following the retirement of a long-term, valued employee. If notice is received from the employee, the General Manager has authorized filling the vacancy at the earliest possible time to include, if possible, a short overlap period with the current employee for succession planning and training purposes. Sufficient funds are available in the labor budget for an overlap period, and since there are currently two full-time vacancies (Engineering Director and Assistant/Associate Engineer), this will not result in an increase in full-time equivalent (FTE) positions.



Agenda Item: 30.a.

Date: April 8, 2016

Subject: Upcoming Policy Review – Information Technology/Disaster Recovery Policy (PL - IT 004)

Staff Contact: Daniel A. Bills, Finance Director

The Information Technology/Disaster Recovery Policy (PL - IT 004) is scheduled for its biennial review. After reviewing the current policy, staff is proposing minor changes that include updating language and editing.

The policy, with any proposed revisions, will be scheduled for Board consideration and adoption at the May 16, 2016 regular Board meeting. If a Director wishes to comment on the policy, please provide those comments to staff by Monday, May 2, 2016.

A copy of the policy is provided as Exhibit 1 for the Board's review.

Sacramento Suburban Water District

Field Code Changed

Information Technology/Disaster Recovery Policy

Adopted: April 21, 2008

Revised: February 22, 2010; April 16, 2012; April 21, 2014, May XX, 2016

100.00 Purpose of the Policy

The purpose of this policy is to establish and ensure appropriate guidance for usage, responsibilities, security, and protection of District electronic facilities e.g., computers, laptops, servers, telephones, voice mail, fax machines, software, cell phones, smart phones, internet, email, tablets, printers, and copiers.

Resource constraints dictate that the District will facilitate its support effectiveness of District electronic facilities through such means as the following:

1. Maximizing system uniformity with standard configurations.
2. Sustaining the District electronic facilities program by periodically upgrading and replacing District electronic facilities on a regular cycle.
3. Ensuring that District electronic facilities and their support resources are allocated to meet the needs of the District's Strategic Plan.

100.10 District Property

All District electronic facilities are the sole property of the District. All messages sent and received, including any personal messages, and all data and information stored on District electronic facilities are the District's property regardless of content.

All software acquired for or on behalf of the District or developed by District employees or contract personnel on behalf of the District is and shall be deemed District property.

100.20 Authorized Usage

Only authorized District staff or contract personnel, pre-approved by the General Manager or the Information Technology Manager (IT Manager), are to use District electronic facilities. All electronic communications using District electronic facilities are to be used solely for District-related business purposes and not for personal use.

Exhibit 1

Sacramento Suburban Water District

Information Technology/Disaster Recovery Policy

Adopted: April 21, 2008

Revised: February 22, 2010; April 16, 2012; April 21, 2014, May XX, 2016

100.00 Purpose of the Policy

The purpose of this policy is to establish and ensure appropriate guidance for usage, responsibilities, security, and protection of District electronic facilities e.g., computers, laptops, servers, telephones, voice mail, fax machines, software, cell phones, smart phones, internet, email, tablets, printers, and copiers.

Resource constraints dictate that the District will facilitate its support effectiveness of District electronic facilities through such means as the following:

1. Maximizing system uniformity with standard configurations.
2. Sustaining the District electronic facilities program by periodically upgrading and replacing District electronic facilities on a regular cycle.
3. Ensuring that District electronic facilities and their support resources are allocated to meet the needs of the District's Strategic Plan.

100.10 District Property

All District electronic facilities are the sole property of the District. All messages sent and received, including any personal messages, and all data and information stored on District electronic facilities are the District's property regardless of content.

All software acquired for or on behalf of the District or developed by District employees or contract personnel on behalf of the District is and shall be deemed District property.

100.20 Authorized Usage

Only authorized District staff or contract personnel, pre-approved by the General Manager or the Information Technology Manager (IT Manager), are to use District electronic facilities. All electronic communications using District electronic facilities are to be used solely for District-related business purposes and not for personal use.

100.30 Unauthorized Usage

Unless pre-approved by the IT Manager or the General Manager personal software and equipment connected to the District electronic facilities is not authorized, including, but not limited to:

1. A piece of software purchased for one's home computer
2. A downloaded title from the internet
3. Any proprietary title not licensed to the District

(See "PL - IT 005 Electronic Mail, Internet and Computer Use Policy")

100.40 Technology Procurement

All District hardware and software purchased shall be coordinated with the IT Department to ensure that all applications conform to District standards and are purchased at the best possible price.

100.50 Information Security

It is the responsibility of each employee to protect data belonging to the District. The following guidelines are for all employees:

- All District electronic facilities must be monitored and secured at all times by District staff and contract personnel.
- Any loss, theft, or suspicious activity of District electronic facilities must be reported to the IT Manager immediately.
- For security and network maintenance purposes, authorized individuals with District approval may monitor equipment, systems and network traffic at any time.

200.00 Disaster Recovery

In the event of a critical disaster to District electronic facilities at one of the District's primary facility locations (Marconi or Walnut office), the District will have in place the necessary District electronic facilities at both facility locations such that critical functions can be operational as soon as possible. For critical disasters at both District primary facilities simultaneously, the District will keep an off-site backup system of District data such that recovery can occur as expeditiously as possible.

300.00 Policy Review

This Policy shall be reviewed at least biennially.



Agenda Item: 30.b.

Date: April 11, 2016

Subject: Upcoming Policy Review – Purchasing Card Policy (PL - Fin 006)

Staff Contact: Daniel A. Bills, Finance Director

The District's Purchasing Card Policy was last reviewed in May 2014. The purpose of the Policy is to set forth the requirements for staff use of purchasing cards in order to procure needed materials and services. A copy of the policy is provided as Exhibit 1 for the Board's review. Staff is recommending minor administrative changes to the policy and referencing the State Water Code's authority granted to the General Manager for employee disciplinary actions.

The policy is scheduled for Board consideration and adoption at the May 16, 2016 regular Board meeting. If a Director wishes to comment on the policy, please provide those comments to staff by Monday, May 2, 2016.

Exhibit 1

Sacramento Suburban Water District

Purchasing Card Policy

Adopted: November 17, 2003

Revised: August 15, 2005; May 21, 2007; June 15, 2009; June 18, 2012; May 19, 2014, May XX, 2016

100.00 Purpose of the Policy

The purpose of this policy is to establish the Sacramento Suburban Water District's (District) requirements for procuring materials and trade services on credit through the use of purchasing cards.

100.10 Definitions

Purchasing Card – merchant purchase authorization card issued by U.S. Bank National Association and administered by the State Department of General Services under the CAL-Card program.

Agency Program Coordinator – The District Finance Director, has oversight of the entire Cal-Card program for the District.

Approving Official – A Cardholder's supervisor, manager or designee, has purchase approval authority.

Designated Billing Office – District Finance Department.

Dispute Office – District Finance Department.

Cardholder –Facilities & Fleet Specialist, Purchasing Specialist, Human Resources Coordinator, Information Technology Manager, Executive Assistant and Electrical and Instrumentation Technician.

200.00 Authorized Purposes

District purchasing cards are provided solely for the purpose of obtaining authorized District goods and services. No other uses of District purchasing cards are permitted.

Purchasing cards are never to be used for personal transactions. Any employee who mistakenly or otherwise uses or authorizes the use of District purchasing cards for unauthorized purposes will be required to immediately reimburse the District for the purchase and ~~will may~~ be subject to disciplinary action ~~up to and including termination~~ at the discretion of the General Manager as provided in Water Code Section 30580(b). If the employee cannot repay the unauthorized amount immediately and the District is required to use the “VISA Waiver of Liability,” the employee will still be required to pay the District in full for the purchase, and ~~will may be terminated from District employment.~~

200.10 Authorized Users and Purchasing Limits

The following employees are authorized cardholders within the dollar limits indicated:

<u>Authorized User</u>	<u>Purchasing Limits</u>
Facilities & Fleet Specialist	\$5,000/transaction; \$15,000/month
Purchasing Specialist	\$5,000/transaction; \$15,000/month
Human Resources Coordinator	\$2,000/transaction; \$6,000/month
Information Technology Manager	\$5,000/transaction; \$15,000/month
Executive Assistant	\$5,000/transaction; \$15,000/month
Electrical and Instrumentation Technician	\$5,000/transaction; \$15,000/month

Cardholders are to: 1) follow the processes and policies established by “Purchasing Card Procedures (PR – FIN 003)” and the District’s “Procurement Policy (PL – FIN 005)”, 2) document the receipt of goods or services, 3) receive monthly statements from U.S. Bank, review invoices on the statement, attach receipts, shipping orders, and other District required documentation, and 4) sign the Statement of Account before forwarding to the Approving Official each month.

If a purchasing card is lost or stolen, the cardholder must report the lost or stolen card to the Finance Department and U.S. Bank immediately.

200.20 Areas of Responsibilities

The District’s Agency Program Coordinator shall have overall responsibility for the purchasing card program within the District. The Coordinator shall see that this policy is followed at all times and shall provide training to all Approving Officials and Cardholders as necessary.

Approving Officials shall be responsible for receiving statements from each Cardholder over whom they have authority each month. Approving Officials are responsible for reviewing the statements, assuring all purchases are authorized and comply with District Purchasing Card Procedures and the Procurement Policy, and sign and forward the statements to the Finance Department in a timely manner.

The Designated Billing Office is responsible for receiving the Monthly Summary Invoice from U.S. Bank, reconciling the Invoice to the cardholder statements and remitting payment to U.S. Bank in a timely manner.

300.00 Reporting

A detailed listing of all transactions made using District purchasing cards shall be provided to the Board as part of the monthly Finance Report.

400.00 Policy Review

This policy shall be reviewed at least biennially.



Agenda Item: 31

Date: April 8, 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. California Water Policy Conference
April 20-21, 2016
UC Davis, CA
www.cawaterpolicy.org
2. California Rural Water Association
April 25-28, 2016
South Lake Tahoe, CA
<http://www.calruralwater.org/pages/expo/>
3. ACWA Spring Conference
May 3-6, 2106
Monterey, CA
<http://www.acwa.com/sites/default/files/event/2015/03/sc16-brochure.pdf>
4. Special Districts Legislative Days
May 17-18, 2016
Sacramento, CA
<http://legislatedays.csda.net/>
5. California Water Summit
June 1-3, 2016
Sacramento, CA
<http://www.acwa.com/events/third-annual-california-water-summit>
6. American Water Works Association Annual Conference and Exposition
June 20-22, 2016
Chicago, IL
<http://www.awwa.org/conferences-education/conferences/annual-conference.aspx>

[Back to Agenda](#)

Minutes

Sacramento Suburban Water District
Facilities and Operations Committee
Friday, April 1, 2016

Call to Order

Director Locke called the meeting to order at 2:01 p.m.

Roll Call

Directors Present: Craig Locke and Neil Schild.

Directors Absent: None.

Staff Present: Assistant General Manager Dan York, Heather Hernandez-Fort, Dave Jones, John Valdes, Mitch Dion, David Espinoza and James Arenz.

Public Present: William Eubanks, Paul Selsky and Melanie Holton.

Public Comment

None.

Consent Items

1. Minutes of the February 12, 2016 Facilities and Operations Committee Meeting

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

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

Items for Discussion and Action

2. 3305 Edison Avenue – Service Line Installation and Material Dispute

Assistant General Manager Dan York (AGM York) introduced the staff report noting that Jennifer Hagemann (Ms. Hagemann) was unable to attend the meeting.

Director Schild inquired when the service line was installed. AGM York stated that it was originally installed in 2013. Director Locke noted that there was a one year warranty which had expired.

Director Locke inquired if the contractor documented any attempts of contact with the owner. Staff replied that there were attempts to contact the property owner, and that the contractor did contact a person at the property who stated that they were the property manager.

Director Schild inquired about the District’s liability if this were to go to court. AGM York stated that the District has followed all procedures and regulations.

AGM York expressed that it is a state requirement for the backflow device to be installed and that Ms. Hagemann is responsible for installing it.

Director Locke commented that one option that could go before the Board is if the District installed the backflow device.

Director Locke stated that the contractor needed to make a field call at the time and that he supported the contractor's decision.

Director Schild expressed that he was not in favor of the customer's request.

The Committee recommended leaving the service line the way it was installed.

3. Water System Master Plan and 2015 Urban Water Management Plan Update

AGM York introduced Melanie Holton (Ms. Holton) and Paul Selsky (Mr. Selsky) from Brown and Caldwell.

Ms. Holton presented the PowerPoint Presentation on the Water System Master Plan (WSMP) and 2015 Urban Water Management Plan (UWMP).

Director Locke requested to be notified of the second day notification from Brown and Caldwell.

Director Schild noted that he preferred that the focus be on the UWMP first, which is due by April 29, 2016, and then present the WSMP separately. He noted that this would allow customers a period of time to review and comment on the two separate draft documents. He also commented that combining the two documents is confusing.

AGM York suggested having separate items, one the WSMP and the other the UWMP. Director Schild supported that suggestion.

Director Schild commented that the buildout water demand graph did not give much credit to the money that was put into conservation efforts.

Ms. Holton introduced Mr. Selsky, who continued the presentation.

Mr. Selsky presented the water supply topics in the PowerPoint presentation.

Director Schild commented that decreasing the banked water would require an increase in the liability of water quality encroachment, thus leading to an increase in water treatment for the groundwater.

He further noted that the South Service Area could have the same issue noting that it would jeopardize water quality.

Director Locke suggested including an analysis on whether or not the District is using its allowance, further commenting that from a cost perspective, we should price at the higher amount.

Director Schild commented that saving water now is more challenging.

Director Schild inquired who gave B&C the criteria on the export options. Mr. Selsky commented that B&C wanted to present all options on use of system capacities.

Director Schild commented that the District is not a water supplier for export purposes.

Director Schild commented that the phrase “neighboring partner agencies” should be changed to purveyors utilizing the same groundwater basin as we are.

Mr. Selsky further presented additional opportunities to maximize the District’s facility use.

Director Schild commented that he was not very interested in some of the options.

Director Locke requested further clarification on the timeframe.

Ms. Holton explained that there was a 14 day public comment period. She stated that the document would be available two weeks prior to the May regular Board meeting. She further noted that public comments can be accepted up to the end of the May regular Board meeting, and that the Board could choose to adopt the document at the May regular Board meeting, or at the June regular Board meeting, in order to submit the approved document by the July deadline.

William Eubanks (Mr. Eubanks) commented.

John Valdes (Mr. Valdes) clarified that the previous Committee members had requested an update to water management alternatives.

Director Schild commented that the Board should take a look at what needs to be examined in the WSMP.

Director Locke commented that he supported the analysis presented by B&C and that he was interested in seeing the options.

AGM York suggested that the Board appoint a separate Committee just for the WSMP and UWMP.

Director Locke stated that the WSMP and UWMP were initiated by Board members on the former F&O Committee. He further expressed his support for the analysis.

4. Drought Tolerant Garden - Fulton/El Camino Parks and Recreation District

AGM York presented the staff report expressing that it would cost roughly \$60,000 to install the garden, and then the Fulton/El Camino Parks and Recreation District (FEPRD) would maintain it.

Discussion ensued regarding different types of landscape options.

Jim Arenz (Mr. Arenz) expressed that Eco Landscaping offered to draw the plans at no cost.

Director Schild inquired who would be responsible for the water. AGM York stated that the District provides the water initially, and then FEPRD will take it over.

Director Schild commented that he thought it was an excellent idea.

Director Lock also expressed his support further noting that the District should consider partnering with Gibbons Park on a drought tolerant garden project with them [Mission Oaks Recreation and Park District] as well.

Mr. Eubanks commented.

5. McClellan Business Park Improvement Agreement Update

AGM York presented the staff report.

Director Locke commented that perhaps staff should revisit the connection fees for analysis.

Director Locke expressed his disapproval for the improvements.

6. Acquisition of Property at Bainbridge/Holmes Well (#59A) Site

John Valdes (Mr. Valdes) presented the staff report.

Director Schild inquired if are they willing to accept the \$6,000. Mr. Valdes answered that they are.

The Committee recommended taking this item to the full Board with a recommendation of approval.

7. New Website - Update

AGM York presented the staff report.

Director Schild recommended bringing this item back to the Committee when it's complete.

Adjournment

Chair Locke adjourned the meeting at 3:36 p.m.

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

Committee Report

Sacramento Suburban Water District
Ad Hoc Water Banking and Transfer Committee
Friday, March 25, 2016 at 10:00 a.m.

Call to Order

The meeting was called to order at 10:00 a.m.

Roll Call

Directors Present: Bob Wichert and Neil Schild.
Directors Absent: None.
Staff Present: Assistant General Manager Dan York.

Public Present: None.

Public Comment

None

Items for Discussion and Action

1. 2016 Water Transfer Program

Director Wichert opened with a direction to staff to utilize the revenues received from water transfers to purchase additional surface water for in-lieu groundwater banking.

Assistant General Manager Dan York (AGM York) informed the committee that currently the District has four options to choose from for water transfers in 2016 which were; Placer County Water Agency (PCWA) to institute a groundwater substitution transfer which would forego receipt of Middle Fork Project surface water, City to institute a groundwater substitution transfer of Area D Surface Water, City of Sacramento (City) to exchange surface water diversions for District groundwater or, San Juan Water District (SJWD) in a regional collaborate water transfer which includes participation with Citrus Heights Water District (CHWD) and Fair Oaks Water District (FOWD).

He further informed the Committee that two options are groundwater substitution transfers and two options are transfers where the District pumps groundwater into the other districts service area, and they forego their surface water and sell it to a buyer downstream.

AGM York provided the Committee with an overview of how the funds would be allocated between the agencies.

Director Schild commented that he was concerned with over pumping the groundwater basin.

AGM York provided the Committee with recent groundwater level monitoring results that indicate the basin was recovering, even after the 4th year of a drought.

The Committee made the decision to move forward with the groundwater substitution transfers with PCWA and the City.

Director Wichert commented that the full Board gave the Committee authority to direct the General Manager to sign water transfer agreements, but he would prefer to bring the topic to the full Board.

AGM York commented that due to the urgency to move forward, a special meeting would have to be conducted.

The Committee directed staff to contact the Board president to call a Special Board meeting.

Adjournment

The meeting was adjourned at 10:41 a.m.

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

ITEM 33.a.

[Back to Agenda](#)

REGIONAL WATER AUTHORITY EXECUTIVE COMMITTEE AGENDA

March 23, 2016; 8:30 a.m.
5620 Birdcage Street, Suite 110
Citrus Heights, CA 95610
(916) 967-7692

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 committee may do so at this time. Please keep your comments to less than three minutes.
3. **CONSENT CALENDAR**
Minutes of the February 17, 2016 Executive Committee meeting
Action: Approve Consent Calendar item
4. **RWA POLICY UPDATES**
Action: Recommend RWA Board approval of Associate Members Policy 100.3
Action: Recommend RWA Board approval of Purchasing Card Policy 500.8
5. **WATER EFFICIENCY UPDATE**
Information Presentation: Amy Talbot, Senior Project Manager
6. **REGIONAL RELIABILITY PLAN UPDATE**
Information Presentation: Rob Swartz, Manager of Technical Services
7. **LEGISLATION UPDATE**
Presentation: Dave Brent, Water Policy Advisor
Action: Adopt RWA positions on California Senate and Assembly Bills
8. **RWA MAY 12, 2016 BOARD MEETING**
Action: Approve Agenda for May 12, 2016 Meeting of the RWA Board of Directors
9. **EXECUTIVE DIRECTOR'S REPORT**
10. **DIRECTOR'S COMMENTS**

ADJOURNMENT

Upcoming meetings:

Upcoming Executive Committee Meetings – April 27, 2016 and May 25, 2016
at 8:30 a.m. at the RWA office

Next RWA Board of Directors' Meeting – Thursday, May 12, 2016, at 9:00 a.m.
in the RWA conference room, 5620 Birdcage Street, Ste. 110, Citrus Heights, CA
95610

ITEM 33.b.

SACRAMENTO GROUNDWATER AUTHORITY REGULAR MEETING OF THE BOARD OF DIRECTORS

Thursday, April 14, 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 February 11, 2016 meeting

Action: Approve Consent Calendar items

4. CLOSED SESSION UNDER GOVERNMENT CODE SECTIONS 54954.5(C) AND 54956.9(D) – UPDATE ON CALPERS AUDIT OF RWA AND CALPERS CONTINUED OBLIGATION TO PROVIDE PENSION BENEFITS TO RWA EMPLOYEES

5. CONSIDER AND ADOPT RESOLUTION OF INTENTION TO APPROVE A CONTRACT WITH THE CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM, RESOLUTION TO TAX DEFER MEMBER PAID CONTRIBUTIONS AND OTHER REQUIRED ACTIONS

Action: Approve the Resolution of Intention to Approve a Contract with the California Public Employees' Retirement System

Action: Approve Resolution to Tax Defer Member Paid Contributions – IRC 414(h)(2) Employer Pick-Up

Action: Approve the Reallocation Agreement and direct the Executive Director to execute the Reallocation Agreement on behalf of SGA

Action: Direct staff to submit the above referenced documents to CalPERS after the requisite employee elections are concluded

6. DEVELOPMENT OF SGA FISCAL YEAR 2016 – 2017 BUDGET

Information Presentation and Discussion of FY 2016 – 2017 Budget

Action: Adopt Resolution No. 2016-01 to fund the administrative and program budgets for FY 2016-2017, and providing for the collection of said funds

Action: Designate \$58,300 to FY17 for Groundwater Modeling

7. GROUNDWATER PROGRAM UPDATE

Information Update: Rob Swartz, Manager of Technical Services

8. SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA) IMPLEMENTATION UPDATE

Information Update: John Woodling, Executive Director

9. EXECUTIVE DIRECTOR'S REPORT

10. DIRECTORS' COMMENTS

ADJOURNMENT

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

From: David Espinoza
Sent: Tuesday, March 01, 2016 8:31 AM
To: michael@gmx.com
Cc: John Valdes
Subject: Robertson Avenue

Good morning Mr.,

My name is David Espinoza and I oversee the Meter Retrofit Program here at the District. I apologize for the confusion and simply put the lack of clarity when it comes to your property's designated year for meter installation. The subject property will receive a meter with the installation of a new water main in the street. Our meter plans and main replacement plans remain fluid and as circumstances change so do the dates on those plans. According to the updated 2015 Meter Asset Management Plan, your property is designated to be in Meter Retrofit Area 53A. The designated Main Replacement Area number is 56A. Your property was scheduled to have a meter installed in 2019 but as of some recent changes to the schedule, it won't be until 2020 that our main replacement will install a new water main on your street thus a new service in the front yard with a meter.

We do offer a voluntary meter program where any customer can call in and request a meter sooner than their designated dates. Usually within 2 week of receiving the request.

I hope this answers your questions and you are more than welcomed to call me or email me if you have any further questions.

Regards,
David Espinoza | Associate Engineer, Sacramento Suburban Water District

From: Michael [[mailto: @gmx.com](mailto:@gmx.com)]
Sent: Saturday, February 27, 2016 3:52 PM
To: feedback
Subject: john valdes

Hello,

I have recently spent a good amount of time on your website trying to understand what the plan is to install water meters or replace the water main/move and install a water meter. There seems to be some conflicting information, which is understandable, but the most recent document I found was updated in 2015 and discussed the water meter installation. Part of it was very unclear, though. It referred to the area by the number 53 on the map, but in the paragraphs describing the work, there were two different areas 53A and 53B which have different scopes and very different time frames.

We live at Robertson Ave. and are about to do extensive yard work and would appreciate knowing an estimate for whether we are just going to have a meter installed in our backyard in the short term or of the main is going to get put in the street and our service is going to move to the front. Also knowing an estimate for when the work might be done would help us to know if we are going to hold off on finishing the work and wait for the water main work to be done or if we can complete ourwork, since things won't be done for some time.

Thank you!
Michael

Div 1

From: David Armand
Sent: Monday, March 14, 2016 2:11 PM
To: 'Jon'
Subject: RE: Water Filters and Testing

Jon,

Per our phone conversation, I am providing a brief email summary of how SSWD addressed the black substance in the water. On March 11, 2016, Tom D. and John S. came out and inspected the black substance on the plumbing fixtures in your home. Some of it appeared to mold while other areas it appeared to manganese related. Due to the suspected presence of manganese, Tom and John determined that flushing the blow off on Tyne Fell Court's dead end main was required. According to the notes (and you), it took about 15 minutes for the water to run clear. SSWD staff then informed you how to flush your service line and water heater tank. The actions taken and suggested by SSWD staff should mitigate any manganese-related water quality concerns that you have been having. If you have any other questions or concerns please feel free to call and we'll do our best to take care of them.

Also, per our discussion, please forward the results of the water testing your vendor is doing for you when you get them.

Thank you,
David Armand
Environmental Compliance Supervisor, Sacramento Suburban Water District

From: Jon [[mailto: @comcast.net](mailto:@comcast.net)]
Sent: Friday, March 11, 2016 8:38 AM
To: David Armand
Subject: RE: Water Filters and Testing

Hi David:

Naturally we are concerned about the black buildup here after moving in and after looking at several of the home whole house filters, it was recommended to have our water tested to see what is actually in it before investing in a system. I went ahead and ordered a test kit online through KAR laboratories back in Kalamazoo, MI. I sent in 4 sample bottles to them last Monday and I noted that they received the package yesterday in the mail. They stated that we will receive a lab report in two business days so we will look forward to seeing what is in our water.

We have been here approximately 6 months and after moving in, we noticed the strong taste of chlorine and went ahead and installed a under-the-counter water filter for drinking and cooking. In order to do this, I needed to shut the water off temporarily. After turning the main water back I noticed that there was a moderate amount of rusty water that came out so since the filter installation we have had better tasting water.

I am not sure what the black substance is in the toilets and around the bottom of the sinks. We had moved from Forrester Way in Antelope to this address and didn't have the black buildup there at that home and just some hard water buildup in the toilets. I looked online and what I found out was that it is a high amount of manganese in the water supply. Possibly this has built up over the years since our current home was built back in 1994?

I've attached two photos – one is a picture of our toilet and the second one is a photo of the primary incoming water filter that our neighbor has. I have talked with him and he mentioned to me that he needs to change the filter every two-three weeks. The filters are a bright white when new and after a week or so, we start to see the brown/rusty color that you can see on the photo.

I am off work today and will give you a call.

Thank you,
Jon

From: David Armand [mailto:darmand@sswd.org]
Sent: Thursday, March 10, 2016 5:15 PM
To: '@comcast.net'
Cc: Annette O'Leary; James Arenz; Doug Cater
Subject: Water Filters and Testing

Mr. and Mrs.,

I apologize for the delayed response. Before I respond in more detail to your question, I would like to speak with you on the phone to get more information about the black substance that is building up on your faucets and toilets. While it is true that some Sacramento Suburban Water District (District) customers express concerns from time-to-time about encrustation on plumbing fixtures and showers and toilets, the color of the substance is usually off-white. That condition results from "hard water" which is very common in area groundwater. As you may know, water hardness is not regulated as a contaminant, therefore, the District does not treat the water for it. Black staining usually results from low levels of manganese present in some of the District's wells. The District is usually able to mitigate most concerns resulting from manganese. Please call me or email your phone number to me and I'll call you.

In regard to your question, you are correct in that your water should be tested before purchasing a home water treatment unit/system. As you are probably aware, there are many vendors that sell home water treatment systems. In general, what happens is that the home owner calls a vendor and tells them what they don't like about the water. For those District customers that do call, water hardness is the issue of concern for the vast majority. The vendor's representative then comes out to the customer's home and collects water samples that are tested to determine what is causing the problem. Then, they recommend different options for home water treatment systems that they believe will mitigate the problem.

Again, please give me a call so I can get more information from you about the black substance.

Thank you,
David Armand
Environmental Compliance Supervisor, Sacramento Suburban Water District

From: Jon [mailto:@comcast.net]
Sent: Saturday, February 27, 2016 8:09 AM
To: feedback
Subject: Doug Cater

Good morning:

My wife and I have moved over to a home in Antelope and we have noticed solid black buildup on our faucets and toilets. Two of our neighbors have installed whole house water filters and they suggested that we do the same due to the water quality. In the process of looking at the different filter systems available, I saw an article that stated that a person should have their water tested first to see what is in it before purchasing a system. Can we have our water tested here through you or do we need to contact someone else for this service?

Thank you.
Jon & Kathleen
Tyne Fell Ct, Antelope, CA 95843

Div 2

From: Greg Bundesen
Sent: Friday, March 18, 2016 12:09 PM
To: Matt Underwood
Cc: Annette O'Leary
Subject: Continuous Flow Thank you

Matt,

We received another thank you from a customer regarding the continuous flow post card. Customer at Woodcrest Rd called to say thank you and that they found 2 leaks on their property. According to the MCM the leaks started around October 9th (off and on until November) then constant since at about 7-15 gallons per hour. All totaled, the leak used 37,920 gallons, or about \$50 worth of water. She was very thankful.

Greg Bundesen
Water Conservation Supervisor
Sacramento Suburban Water District

Div 4

From: John Valdes
Sent: Thursday, March 24, 2016 5:07 PM
To: @surewest.net
Subject: RE: Robert Roscoe

Mr.—

I apologize for the delay in getting back to you. Your e-mail was directed to me for a response. I will need to talk to our Assistant General Manager, Dan York, regarding the specific items and questions in your e-mail. I will get back to you next week with a more detailed response.

Sincerely,

John E. Valdes, P.E.
Engineering Manager, Sacramento Suburban Water District

From: wade [mailto:@surewest.net]
Sent: Thursday, March 17, 2016 3:18 PM
To: feedback
Cc: wade
Subject: Robert Roscoe

Dear Mr. Roscoe:

i am writing regarding well site 54 on north ave at root. considering that sacramento suburban water district is not going to put in a monitoring well at this location and that this site is not large enough for another well i would like to know if the district would consider selling the site to me. the well site is next to my property and access to the well is over my property.

i would like you to give me access to the site so i can keep the site clean and free of weeds.

when there were plans to put in a monitoring well on this site the area fenced was greatly going to reduced in size. since this site is no longer being used to supply water to this neighborhood i don't see the need any longer for a chain link fence with barbed wire.

i would like to put a gate at the bridge to keep people off the water districts and my property. do you have any concerns with my doing this.

sincerely,

wade
north ave.
carmichael, ca. 95608

No Div

From: Greg Bundesen
Sent: Thursday, March 24, 2016 2:00 PM
To: '@gmail.com'
Cc: Rex (@chwd.org); Annette O'Leary
Subject: RE: SSWD water rebates/conservation. Attn: Annette O'Leary

Dear,

Thank you for your question. The Water Conservation professionals in the region do get together and discuss their programs and what they are offering their customers. We are all part of the Sacramento Regional Water Authority and we get together about once per quarter to discuss our programs. The EPA's WaterSense Program promotes the installation of recirculation hot water pumps, but I do not believe that they are a requirement for new home installation per the CalGreen Building Code. I find that they are a useful conservation tool and our Board if Directors supports them as being part of our rebate program. Please let me know if you have any further questions.

Regards,

Regards,

Greg Bundesen
Water Conservation Supervisor, Sacramento Suburban Water District

-----Original Message-----

From: Ingrid [[mailto: @gmail.com](mailto:@gmail.com)]
Sent: Wednesday, March 23, 2016 4:30 PM
To: feedback
Cc: @chwd.org
Subject: SSWD water rebates/conservation. Attn: Annette O'Leary

Dear Ms O'Leary,

I am wondering if SSWD has any reciprocal rebate programs with its CHWD neighbors? I live at the irregular boundary between the two water districts. Some of my neighbors are on the SSWD side and are installing the recirculating hot water pumps with your \$150 rebates. CHWD does not have this rebate.

Do the area water districts confer about rebates/conservation initiatives? A recirculating hot water pump seems very convenient, simple and effective - my neighbors love theirs now. The potential 15K gallons water savings it brings per year to households, according to your website, is very appealing. Even at lower estimates, why would this not be encouraged for every household in California? I my own home I fill a 5 gallon bucket waiting for hot water to reach the shower. I used to live in a rather large rental complex on American River Drive: the hot water tanks were centralized - I would turn on the shower, then have time to go down to the kitchen and brew a pot of coffee before the hot water finally reached our shower very early in the am. That's a lot of water for one of probably many local households!

So, I just thought I'd ask. This pump seems like a great idea. I have cc'd this email to CHWD/water conservation also.

Thank you

Ingrid

Div 5

From: David Armand
Sent: Wednesday, April 06, 2016 2:55 PM
To: 'Adrianna '
Cc: Annette O'Leary; Doug Cater; James Arenz
Subject: FW: David Armand Question about Water test

Adrianna,

This email is intended to summarize the topics we discussed on the phone yesterday, and the results of field tests that were conducted on March 23, 2016 by SSWD Production Operator, Gary Babin.

In regard to using water from the hot water tap for drinking and cooking purposes, as I mentioned when we spoke, the general consensus is: don't do it. I have attached a couple of links to web pages that express some of the concerns associated with drinking water heated by a hot water tank (water heater). You will note that the articles specifically mention concerns about dissolution of lead from plumbing components and solder. Sacramento Suburban Water District's most recent lead sampling results (from customer's cold water taps) did not detect any lead. However, keep in mind that hot water has a greater capacity to dissolve other metals and minerals as well. Whether or not that is an issue of concern depends on the metal/mineral being dissolved and the concentration of it. As you will see from the links that follow, not using hot tap water for drinking and cooking purposes is the best approach.

<http://vancouversun.com/news/staff-blogs/why-you-shouldnt-use-hot-tap-water-for-drinking-or-cooking>

<http://www.berkeleywellness.com/healthy-eating/food-safety/article/hot-tap-water-safe-drink>

<http://www.everything2.com/title/Never+drink+or+cook+with+hot+tap+water>

The results of the field tests are as follows:

- pH= 7.51 (acceptable range= 6.5 – 8.5)
- Chlorine residual= 0.81 mg/L (regulatory limit= 4.0 mg/L)
- Hardness= 120 mg/L or 7 grains per gallon; there is no regulatory standard, however, 120 mg/L is on the line between moderately hard and hard. Water with this hardness can be expected to form an off-white/gray/yellow scale on plumbing fixtures, glass and tile.

Whenever a customer calls about color, taste or odor concerns in their water and SSWD cannot correlate it with any work we are doing, we generally suggest that the customer flush the cold water from their service line and internal plumbing. This is done by fully opening the following at the same time for three to five minutes:

- The hose bib outside the house that is closest to the meter, and
- The cold water tap of the bath tub that is farthest from the meter

Annual flushing of the hot water tank/heater by someone qualified to do so helps keep it clean and can be expected to extend its useful life.

You also expressed an interest in water quality data for the well(s) that predominantly supply the Woodside Sierra Condominiums portion of the SSWD system. That data is summarized in the Consumer Confidence Report (CCR) results for SSWD's South Service Area. Here is a link to SSWD's CCR/Annual Water Quality Report web page (please note that the 2015 CCR will be completed soon):

<http://www.sswd.org/index.aspx?page=218>

The CCR shows that all contaminants detected are less than the regulatory thresholds. For that reason, individual reports provide no additional insight. SSWD has water samples (from each

source) tested for many other inorganic and organic constituents as well. In an effort to make the CCR more user friendly, regulatory requirements preclude water utilities from reporting the results of contaminants that were not detected.

If you have any other questions, please feel free to contact our customer service staff at 916-972-7171 and they'll direct you to the right person.

David Armand
Environmental Compliance Supervisor, Sacramento Suburban Water District

From: Manager [<mailto:manager@woodsidehoa.com>]

Sent: Thursday, March 31, 2016 4:03 PM

To: feedback

Subject: David Armand Question about Water test

Hi David,

We had a water quality test done last week and we were wondering if we could get a report of the findings. SSWD tested the water coming into Woodside HOA.

Also who would you suggest to test the water on the coming out of the boilers system?
Thank you for your time.

Best Regards,

Adrianna

Community Manager, CCAM®

Connect with us: woodsidehoa.com | manager@woodsidehoa.com

No Div

From: Greg Bundesen
Sent: Tuesday, March 29, 2016 10:29 AM
To: '@students.mpsaz.org'
Cc: Annette O'Leary
Subject: RE:

Dear Mr.,

Thank you for reaching out to the District regarding water waste. As with most water use practices, avoiding different types of water waste can be very beneficial to both an agencies water supply and environment. Some of the ways to prevent water waste inside and outside of a home are as follows:

Indoor

1. Fix leaks within 48 hours.
 - a. The average home loses about 9.5 gallons of water per person per day in a single-family residential home. Fixing leaks can save up to 3,467 gallons of water per person per year.
2. Turning off the water when brushing your teeth.
 - a. A person can save up to 1.2 gallons of water per minute.
3. Take a shorter shower.
 - a. A person can save up to 2.5 gallons of water per minute.
4. Install WaterSense Labeled fixtures.
 - a. WaterSense Labeled Products are more efficient than standard products.
 - b. Showerheads, faucet aerators, toilets, clothes washers and dishwashers.
5. Install a recirculating hot water pump.
 - a. Recirculating pumps reduce the amount of water

Outdoor

1. Fix sprinkler leaks within 48 hours.
2. Adjust sprinklers to only hit the intended landscape and not concrete, asphalt or other hardscaped area.
3. Water only when need.
4. Utilize mulch to reduce the amount of water lost to soil evaporation.
5. Install drip/low-volume irrigation for plants and non-turf areas.
6. Install a Weather-Based Irrigation Control timer to ensure your are watering with the weather.

These are some of the more popular means to preventing water waste. There is a variety of resources that you can review to find more ways to prevent water waste and use water as efficiently as possible. Some of the programs that I suggest you review are:

1. The EPA's WaterSense website.
 - a. Here you will find both indoor and outdoor WaterSense specifications.
2. Bay Friendly, Ocean Friendly, and River Friendly Landscaping.
 - a. These are landscaping program based on different hydrological regions. For example, the Bay Friendly Landscaping program is geared toward the San Francisco Bay Area's unique climate, the Ocean Friendly Program is geared toward California's southern coast areas, and the River Friendly Program is geared toward the Sacramento Region's unique climate.
 - b. You may want to research if there is any kind of existing Arizona program that offers a similar climate appropriate landscaping program.
3. The Alliance for Water Efficiency
 - a. The Alliance has a lot of resources regarding efficiency water use.

Again, have a look at some of these programs and let me know if you have any questions.

As far as supporting a law to limit water waste in Arizona, SSWD is a Public Water Utility and I cannot offer an opinion regarding any kind of legislation or law without the prior authorization of my Management team and Board of Directors. I can state that I support the efficient, reasonable, sustainable, and responsible use of all water supplies both public and private.

Thank you again for contacting me. Please let me know if you have any questions.

Greg Bundesen
Water Conservation Supervisor, Sacramento Suburban Water District

From: Caden r [mailto: @students.mpsaz.org]

Sent: Monday, March 28, 2016 5:37 PM

To: feedback

Subject:

Dear SSWD,

I am a student at Smith Jr. High in Mesa, AZ. Our class has chosen a topic for project citizen, and that is household water waste. We would appreciate it if you wrote back with some facts on water waste, and whether or not you would be willing to support us in trying to get a law passed on limiting water waste in Arizona. We also would like to have mandatory seminars to educate the community, especially children, on water waste. Thank you for taking the time to read this e-mail

--

Caden

No Div

From: "Ray"

Sent: Saturday, April 09, 2016 10:11 AM

To: David Armand

Cc: Doug Cater; James Arenz; Annette O'Leary; feedback

Subject: Director Craig M. Locke Re: FW: CDFA - Acelepryn Application in Carmichael, CA

Mr. Armand,

Thank you for responding to my questions regarding the California Department of Agriculture's (CDFA) proposed Japanese beetle Carmichael eradication plan. I asked about the use of Acelepryn because of label and labeling information provided at a recent public meeting with the CDFA. As you are aware the labeling states in part:

"...Environmental Hazards

This pesticide is toxic to aquatic invertebrates, oysters and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow..."

Further, the label states in part: "...Environmental Hazards: This pesticide is toxic to aquatic invertebrates, oysters and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites. Surface Water Advisory: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Ground Water Advisory: This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow..."

I do believe, although the plan includes provisions such as prevention of Acelepryn runoff and other activities, we should be anxious that worker mishaps may occur. We should also be worried because the 200M treatment area includes a part of the Jerediah Smith Recreation Trail. I am also concerned about the turf application rate of 16 fl. oz. per acre of Acelepryn to be applied to the 200M treatment area, will be a significant amount of Acelepryn.

I am somewhat surprised that CDFA had not alerted the Sacramento Suburban Water District about the application of Acelepryn or the standby application of Merit 2F. (It is also likely CDFA did not notify Sacramento Suburban Water District that in 2015 they applied Tempo SC Ultra, Sevin SL, and Merit 2F.) However, from your response that the Sacramento Suburban Water District believes that I "...should diminish any concern regarding groundwater contamination associated with Acelepryn", I will continue to use Sacramento Suburban Water with confidence.

Thanks again.

Ray

From: David Armand
Sent: Thursday, April 07, 2016 2:41 PM
To: 'Ray '
Cc: Doug Cater; James Arenz; Annette O'Leary
Subject: FW: CDFA - Acelepryn Application in Carmichael, CA

Mr.,

I've been doing some research as a result of your email so that I may better respond to your questions. Part of my research included calling the California Department of Food and Agriculture's (CDFA) Pest Hotline (800-491-1899). I inquired about their notification protocol and found that they notify residents in accordance with the procedures described in the attached CDFA document titled: "Proclamation of an Emergency Program for the Japanese Beetle." Because Sacramento Suburban Water District's (SSWD or District) office is not in the treatment area, District staff were not notified about previous and pending applications of the pesticides used to control the Japanese Beetle. SSWD does own property, including well sites within the program boundary so I notified CDFA staff that the District needs to be informed pre and post application of any pesticides within our service area. I just spoke to CDFA's Program Manager (Laura Petro) and she confirmed that District staff will be notified about future pesticide applications.

Information from DuPont indicates that the product is a potential groundwater contaminant, particularly in areas where soils are permeable and there is a shallow water table. The soils in Carmichael area have alternating sequences of coarse-grained (sand and gravel) and fine-grained sediments. Fine-grained sediments restrict the downward movement of water. The uppermost perforations (open area) in SSWD's wells in and around the treatment area are 165 feet below ground surface.

In regard to testing for Acelepryn, as you may infer, the District has not conducted any water quality testing for the compound. Based on the information included in the attached CDFA document mentioned previously, and from my telephone conversation with Ms. Petro, controls currently in place pertaining to the use and application of Acelepryn (and other pesticides used to control the Japanese Beetle) are designed to prevent unintended cross-contamination.

The preceding information should diminish any concern regarding groundwater contamination associated with Acelepryn. However, as noted above, SSWD still would like to know when and what type of chemicals CDFA is applying in the area we serve. Steps have been taken to ensure that happens in the future. Thank you for your concern about the public water supply and for calling this matter to our attention. If you have any other questions, please let me know.

Thanks again,
David Armand
Environmental Compliance Supervisor, Sacramento Suburban Water District

-----Original Message-----

From: David Armand
Sent: Wednesday, April 06, 2016 4:51 PM
To: 'Ray '
Subject: CDFA - Acelepryn Application in Carmichael, CA

Mr.,

I just want to let you know that I am doing some research and will reply to your questions soon.

Thank you for your interest and concern in the water that Sacramento Suburban Water District provides to their customers.

David Armand
Environmental Compliance Supervisor, Sacramento Suburban Water District

-----Original Message-----

From: Ray [mailto:@inreach.com]
Sent: Thursday, March 31, 2016 9:40 AM
To: feedback
Subject: David Armand

Mr. Armand,

The California Department of Food and Agriculture is planning as part of their Japanese beetle control project in the Carmichael Area to use Acelepryn. What comments or concerns does the Sacramento Suburban Water District have about the use of this agent in the Carmichael Area? Have other water districts identified any concerns about the use of this agent? Has the Sacramento Suburban Water District scheduled any monitoring for this agent in our water? Did the Sacramento Suburban Water District find any agents used by the California Department of Food and Agriculture in prior applications for the Japanese beetle control project in our water?

Thank you.
Ray

General Manager

Robert S. Roscoe, P. E.



Board of Directors

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

April 1, 2016

California Department of Water Resources
Attn: Lauren Bisnett, Draft GSP Emergency Regulations Public Comment
P.O. Box 942836
Sacramento, CA 94236

Via email to: sgmps@water.ca.gov

Re: Draft GSP Emergency Regulations Public Comment

Thank you for the opportunity to comment on the Draft Emergency Regulations for Groundwater Sustainability Plans and Alternatives under the Sustainable Groundwater Management Act (SGMA). We support and appreciate the efforts California Department of Water Resources (DWR) has put forth on the extensive efforts to solicit stakeholder input in the development of the regulations.

Sacramento Suburban Water District (SSWD) was formed in 2002 by the merger of two long-standing Sacramento-area water districts. Those districts historically relied entirely on pumped local groundwater as their water supply. SSWD is the largest groundwater pumper in the local basin, the Sacramento County portion of the North American Sub-basin. Beginning in the late 1990s, and continuing after SSWD's formation, SSWD began to invest roughly \$120 million of ratepayer funds in the infrastructure necessary for the acquisition of surface water supplies to stabilize the local groundwater and to create a conjunctively managed bank of in-lieu recharged water that could be used during dry years to drought-proof water supplies for District customers. During that time, groundwater levels in the basin, which had declined over several prior decades, have recovered significantly. In addition, through use of these significant investments, over the past decade SSWD has created approximately 180,000 acre-feet in banked groundwater over and above the District's obligations to the groundwater basin as determined by the Sacramento Groundwater Authority (SGA).

Since 1998, SGA has managed the basin so successfully, one of the authors of SGMA, Assemblymember Roger Dickinson, referred to the effective management instituted by SGA as a model for what was needed throughout the State of California. But implementing the proposed new regulations would place an extraordinary, onerous and costly new burden on those who are presently successfully managing the sustainable groundwater basin under north Sacramento County. The draft regulations unnecessarily go far beyond what is required in statute. As drafted, these regulations may actually

threaten successful basin management by creating an environment where numerous local pumpers must agree on how to divide the extraordinary new costs. Furthermore, there is no information available to suggest that implementing these costly new requirements will add any measure of improvement to the successful basin management now being implemented by many in California, including the SGA.

We understand that there are numerous locations in California where groundwater management is clearly not sustainable, and regulations must ensure those areas have a path to success. However, we strongly believe the DWR should recognize that groundwater is being successfully managed in many parts of the state, and ensure the adopted regulations do not interfere with that success. The District recommends that DWR adopt regulations that align with the general principles of the statute, and that it defer many of the details to the expertise of local Groundwater Sustainability Agencies (GSAs), such as SGA, as was contemplated in the Sustainable Groundwater Management Act.

The District completely concurs with comments submitted by SGA, including the detailed edits provided on the entire draft regulations by John Woodling, Executive Director of SGA, that were provided in their comment letter. We believe the SGA approach will result in enforceable regulations that clearly address problem areas in the state without placing undue and unnecessary burdens on areas that have already gotten it right.

Sincerely,

Robert S. Roscoe
General Manager

cc: John Woodling, SGA

March 25, 2016

Customer called in and left a voicemail:

Mr. Greg at Cherylynn Way.

Mr. called in to say that he just had a water meter installed a couple weeks ago and he wanted to commend Flowline, a contractor for the District. Flowline did a magnificent job with the install and putting his yard back together just the way it was. He wanted to convey his appreciation.

RECEIVED
3/21/16

3/15/16

Dear Craig Locke and Neil Schild,

Re: Water "waste" Notification at Pasadena Ave., Sacto., CA 95821

Account # _____ – service request:

Sir,

Our actual watering "during rain" (reported to have occurred on March 8) would have been impossible on 3/8/16, as our system had been turned-off at valve since mid-February, 2016.

We are very conscientious about water use and/or abuse of same during these difficult draught times in northern California and in Sacramento. So in regard to your "warning" Notice (sent by mail), we highly question the reports accuracy. We would also like to know 'our accuser' in this case (name). Was the inclement-weather-watering reported by a field agent of yours and/or a resident on Pasadena Ave, Sacramento?

Thanks for giving this your attention...We're looking for some reasonable answers to our questions.

Donal & Janeil

Sacramento, CSU,Chico Ag. Dept.



General Manager

Robert S. Roscoe, P. E.



Board of Directors

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

March 30, 2016

Donal
Pasadena Ave.
Sacramento, CA 95821

Dear Mr.

I am in receipt of your letter, dated March 15, 2016, regarding your concerns of a Water Waste Notice (Notice) dated March 10, 2016. Let me first thank you for taking the time to write a letter expressing your concerns. Upon receiving your letter I reviewed the Service Request in question (), and found that the notice you received was an Information Only Notice, and not a Notice of Violation (NOV) or Warning NOV. Information Only Notices are sent to customers when the District receives a report from a member of the public that observes what they perceive to be a water waste incident within the District's boundaries. Upon receiving the public report, District staff either generates an Information Only Notice or makes a visit to the site depending on the nature of the report. In your instance, an Information Only Notice was sent based on the information provided to the District by a member of the public.

The Information Only Notices are intended to let the customer at the reported location know that a public report was made against the property, and to double check their property and water use fixtures to ensure they are operating in accordance with the District's current Water Use Restrictions (visit www.sswd.org for information regarding our current water use restrictions). The Information Only Notices are not an enforcement mechanism unless the reported water waste incident is observed by District staff, in which case a NOV would be issued.

In your case, the incident was not observed by District staff but by a member of the public and an Information Only Notice was issued. The public report stated: "*On numerous occasions since the rains have begun we have seen his sprinklers watering DURING the rain.*" No specific date was included in the public report as to which rain event the reporting party's observation was made, only that watering during rain events had been observed. The date on the Notice (3/08/2016) is the date the District received the public report, not the date the observation was made. Had the date of the observation been included in the report, that date would have appeared on the Information Only Notice.

As previously stated, the intention of issuing an Information Only Notice after receiving a public report of water waste is to request that customers double check their sprinkler system to ensure its current settings are set in accordance with the District's current Water Use Restrictions. If, during your review, you find that the condition that was reported (in your case, watering during or within 48 hours of a rain event) does not exist (because the controller is turned off), the District received the public report in error and the Notice can be discarded. If, during your review, you find that your controller had been turned on and was scheduled to run during or

March 30, 2016

Page 2 of 2

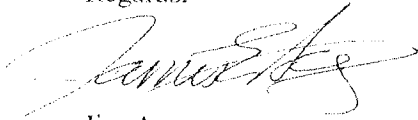
within 48 hours of a past rain event, you would then be able to make the adjustments necessary to ensure that your sprinkler timer is set in accordance with our current Water Use Restrictions.

Please be advised that the District is offering rebates for Rain Sensors (up to \$150), Weather-Based Irrigation Controllers (up to \$150), and Irrigation Efficiency Upgrades (up to \$500) if you are interested in upgrading your current sprinkler system. Please visit our website for information about how to apply for our current rebate program.

In regards to your "accuser", we cannot disclose the name or contact information of a reporting party. Please be assured that District staff will not write an NOV unless the publicly reported infraction is visually confirmed by District staff. If staff cannot verify a public water waste report, an Information Only Notice is sent to the reported address. We are obligated to follow-up with public notifications of water waste, but we will only take action (issue an NOV) if a Water Waste violation is observed by District staff.

I hope I have addressed your concerns. If you have additional questions, please do not hesitate to contact me at (916) 679-2880, or via email at jarenz@sswd.org. Thank you again for contacting the District.

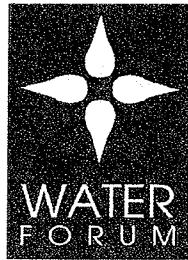
Regards.

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

Jim Arenz
Operations Manager

Monthly Runoff and Allocation Report

-April 2016-



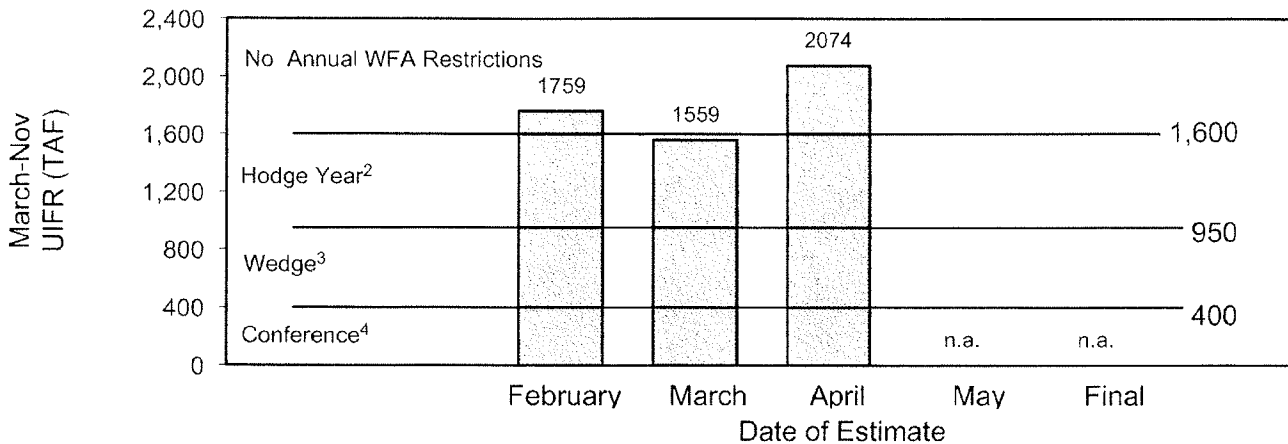
Water Forum
Successor Effort

Issuance Date: April 11, 2016

Purpose: This monthly report is issued for each of four months (i.e., February, March, April, and May) every year by the Water Forum Successor Effort to provide the status of the March through November Unimpaired Inflow into Folsom Reservoir (March-Nov UIFR). Per the Water Forum Agreement of 2000, this hydrologic index is used to determine the type of water year and may be used by American River water purveyors and water right holders to determine the extent of their dry-year procedures. For more information on these topics, visit <http://www.WaterForum.org/Dry Year Procedures>.

Projected Mar-Nov UIFR for April 2016 is 2,074 TAF. For this year type there are no annual restrictions in the Water Forum Agreement.

Figure 1. UIFR Projections and American River Water Allocation¹



¹Several factors can affect the allocation of water supply from the American River. When Mar-Nov UIFR is greater than 1,600 TAF then no annual WF restrictions are applied. However, other restrictions could be in effect such as the CVP shortage criteria.

²A "Hodge Year" occurs when the Mar-Nov UIFR is less than 1,600 TAF. This affects the allocation of American River water for Sacramento Suburban WD (after 2010) and South County Agriculture (see footnote #9 on page 11 of the 2000 Water Forum Agreement). This is different than the instantaneous "Hodge Flow trigger" which affects diversions at the Fairbairn treatment plant when the LAR flow is less than 3,000 cfs during Mar-Jun; 2) Less than 2,000 cfs from October 16-Feb; and 3) Less than 1,750 cfs from July-Oct15.

³A "Wedge" occurs when the Mar-Nov UIFR is less than 950 TAF. This may affect the allocation of American River water for the City of Folsom, Placer County Water Agency, City of Roseville, San Juan Water District, Sacramento Suburban WD (prior to 2010) and SMUD (see footnote #3 on page 11 of the 2000 Water Forum Agreement).

⁴"Conference" years occur when Mar-Nov UIFR is less than 400 TAF. In those years diverters and others are required to meet and confer on how best to meet demands and protect the American River (footnote #2 on page 11 of the 2000 Water Forum Agreement).

Monthly Runoff and Allocation Report (continued)

-2016 -

Table 1. Monthly Runoff Values

Month	UIFR Monthly and Total Volumes in TAF				
	February Publication	March Publication	April Publication	May Publication	Final Values
March ¹	372	469	812	n.a.	n.a.
April ¹	450	380	430	n.a.	n.a.
May ¹	530	420	485	n.a.	n.a.
June ¹	270	175	220	n.a.	n.a.
July ¹	50	35	45	n.a.	n.a.
August ¹	15	11	12	n.a.	n.a.
September ¹	12	9	10	n.a.	n.a.
October ²	30	30	30	n.a.	n.a.
November ²	30	30	30	n.a.	n.a.
Total	1759	1559	2074	n.a.	n.a.

¹ Values are from *Bulletin 120, Water Conditions in California*, California Department of Water Resources (DWR) for the given publication month (<http://cdec.water.ca.gov/snow/bulletin120/>). DWR publishes Bulletin 120 four times a year (February through May), providing forecasts of unimpaired flow for several watersheds in California for the given water year.

² Values are from *Technical Memorandum No. 1, Computing March through November Unimpaired Inflow into Folsom Reservoir*, Water Forum, May 2007.

USBR American River CVP Municipal and Industrial Contractor Allocation

On April 1, 2016 the CVP announced that Municipal and Industrial (M&I) water service contractors North-of-Delta are allocated 100 percent of their contract supply.

Please note that the CVP allocations are administered by the USBR and are not part of the Water Forum Agreement. The CVP information is provided for informational purposes only.



Agenda Item: 35

Table of Contents

California Water Custbacks Draw Flood of Complaints as Reservoirs Rise..... 2

Climate Change Spells Trouble for California Water 4

California State Water Project Will Deliver The Most Water Since Drought Began..... 6

White House summit focuses on aggressive, new ways to save water..... 8

New dispute erupts over Sacramento Delta tunnels project..... 10

Feds warn of new threats to water supplies with climate change 12

Granite Bay water district says it will no longer follow state water conservation mandate..... 13

New groundwater rules confusing and costly, farm water managers say 15

State orders Tulare to pipe clean water to Matheny Tract homes.....17

Recent Storms Boost Reservoir Storage, but South State Lags Behind.....19

March Storms Allow Increase in State Water Project Allocation to 45%.....21

Sierra Snowpack Strong, But Not Strong Enough to End Drought.....23

Californians “Just Shy” of 25% Water Conservation Mandate.....24

Bureau Announces Initial Water Supply Allocation for CVP.....26

California water cutbacks draw flood of complaints as reservoirs rise

Rick Williams stood on his dead front lawn near Sacramento, California, wondering why he still pays a drought surcharge on his water bill and cannot run his sprinklers as often as he needs when a nearby reservoir is so full it could overflow come spring.

After four years of catastrophic drought and nearly a year of mandatory water conservation measures, Williams is joining a growing chorus of consumers in the wetter parts of the state to call for an end to restrictions they see as overbearing. Their argument is even winning over some of the water utilities charged with implementing the rules.

"This whole concept of using less and paying more is a very hard pill to swallow," said Williams, who is so angry he is considering running for the board of his local water district. "We have plenty of water."

Although February was relatively dry this year, it rained so much in parts of California in December and January that engineers began releasing water from Folsom Lake near Williams' Granite Bay home for flood control reasons. March unleashed a series of deluges that filled far bigger reservoirs up to and above their normal levels.

Yet consumers must still meet water conservation requirements or face fines of \$500 per violation per day.

State regulators say California's first mandatory conservation orders, which were extended in February to the fall, are necessary until it is clear that wet weather will continue and there will be enough water to last through the summer.

This conflict shows the complexity of long-term water supply issues in a state with vastly different geographic regions and gets to the heart of why Californians have fought over this resource for decades. It also feeds the distrust many residents already have for government, particularly in areas such as the state's wet northern coast.

"People are just disgusted with the way it doesn't make any sense," said David Hull, general manager of the Humboldt Bay Municipal Water District on the far northern coast. "I don't have a good answer for them. The answer is because the state told us. And that's not a good answer to people."

WATER WARS

The battle over water in California dates back more than century. In 1907, William Mulholland began a quest to reroute water from the Sierra Nevada, the highest and longest mountain range in the contiguous United States, culminating in the opening of the Los Angeles aqueduct in 1913. Mulholland's success set the stage for Los Angeles to grow into the second-largest U.S. metropolis, but it also came at the cost of precious water for farmers and residents to the north.

Coping with the latest drought, Governor Jerry Brown ordered first-of-their-kind mandates to cut overall water use by 25 percent, with some regions required to trim it by as much as 36 percent. By the end of January, the state was 96 percent of the way toward achieving its goal; numbers from February are not yet available. As Californians refrained from turning on their spigots, Mother Nature turned on hers over the state this winter. Reservoirs remain full for this time of year along the northern coast, in much of suburban San Francisco, and in parts of the Sacramento Valley.

Because only a portion of the state's watersheds are connected to the massive system of dams and reservoirs that ferry water south, much of the water saved cannot be sold, shipped elsewhere or stored for next year. That makes conservation a hard sell. "People are just outraged," said Pamela Tobin, board president of the San Juan Water District, which supplies Sacramento's eastern suburbs with water from Folsom Lake and elsewhere. "The lake is filling, but our people are still being told that they need to conserve by 36 percent."

That wariness is exacerbating a distrust of government that has been building for decades, said Thomas Holyoke, a professor who studies water politics at California State University, Fresno.

"When consumers see what appears to be needless government waste, especially when it comes to as precious a resource as water, they immediately see the worst," Holyoke said. "This is the same distrust playing into the Trump and to some degree Bernie Sanders campaigns."

Several municipalities and water districts have asked the state to reduce conservation targets, including north coast areas that say their supplies are robust. Even the San Diego County Water Authority, in the drier southern part of the state, has requested relief, and there are signs the message may be getting through. Barraged with complaints after extending the mandates to October, state water regulators have agreed to reconsider some cutbacks next month. But if spring rains do not materialize, the wet winter's gains may be lost, said Felicia Marcus, who chairs the State Water Resources Control Board. "We're in the better-safe-than-sorry approach," Marcus said. "People need to take the long view."

<http://www.reuters.com/article/us-california-drought-idUSKCN0WH2CQ>

Climate Change Spells Trouble for Calif. Water

By NICK CAHILL

(CN) - Rising sea levels and soaring temperatures caused by climate change could exacerbate California's water shortage and increase stress on its most important natural resources, according to a federal report released Tuesday.

Climate change could raise average temperatures in the Sierra Nevada mountain range by more than 5 degrees by the late 21st century and sea water is likely to intrude further into California's vital freshwater holding tank - the Sacramento-San Joaquin Delta - according to predictions by the Bureau of Reclamation. The study says global warming could cause a median sea level rise of 36 inches and flood the delta with salt water.

The report studied the Sacramento and San Joaquin river basins and concluded that increased temperatures will melt the state's snowpack earlier and diminish the state's capacity to store water in its network of reservoirs due to excess runoff.

According to the report, the snowmelt will fill reservoirs earlier in the year and that evaporation would increase with the higher temperatures. In order to combat climate change, the study suggests improved conservation and policies for groundwater and surface water to meet the state's increasing water needs.

"These basins are at the center of discussions about the availability of water in California, not only for agriculture, but for municipal and environmental needs as well," Reclamation Commissioner Estevan Lopez said in a statement. "Because of the collaborative efforts put forth in this basin study, we now have more information on how climate change will impact this region and a better understanding of what will be needed to ensure a sustainable water supply for today and for the future."

The report comes as lawmakers grapple with ways to prevent water from recent El Nino storms from escaping to the Pacific Ocean unused. The debate between providing water for the largest estuary west of the Mississippi River and funneling it south has gained Congress' attention. Sen. Dianne Feinstein, a Democrat, last week called on federal and state agencies to ramp up pumping through the delta and increase deliveries south to Central Valley farmers and Southern California cities.

Feinstein and California farmers want the bureau to be more flexible with its water policies in light of recent storms that quickly filled up the state's reservoirs. As of March 6, almost three million acre-feet of water passed through the delta and just 22 percent of it was captured, Feinstein's office claims.

"Pumping less water even though river flows more than doubled means 180,000 to 200,000 acre-feet of water was allowed to flow out to the sea instead of being captured and stored," Feinstein said in a statement.

The state's drought-riddled reservoirs have recovered thanks to the recent El Nino storms, with the latest measurements showing nearly a quarter of the state's reservoirs have above-average stores for this time of year. Major reservoirs such as Folsom Lake and Lake Shasta are above

historic averages after several years of consecutive drought.

Recent measurements also have the state's growing snowpack at 92 percent of normal statewide. Meanwhile, environmentalists contend the delta has long been overused and that a lack of fresh inflow has contributed to a massive decrease in the salmon population, a species protected under the Endangered Species Act. They argue the recent deluge is necessary to flush the delta and protect the struggling fish populations.

If nothing is done to combat future climate change, the 122-page report warns that delta water quality could be significantly damaged by sea-water intrusion and a shortage of cold water supplies from California reservoirs. Flood control, hydroelectric power production and ecological impacts would also be exaggerated by climate change.

To effectively prepare for future climate change, the bureau calls for a "multi-faceted approach that applies a wide range of strategies at local, state and regional levels."

<http://www.courthousenews.com/2016/03/16/climate-change-spells-trouble-for-calif-water.htm>

California State Water Project Will Deliver The Most Water Since Drought Began



Banks Pumping Plant, part of the State Water Project
Curtis Jerome Haynes / Courtesy

California farmers and urban areas that rely on the State Water Project will receive the largest allocation of water since 2012.

The California Department of Water Resources announced Thursday that it plans to meet 45 percent of requests for deliveries.

It's a major increase from December, when the state planned to fulfill only 10 percent of requests.



Map of the State Water System, a system of reservoirs, canals, and aqueducts that carries water across California. Courtesy/ California Department of Water Resources

The announcement is welcome news to farmers in the San Joaquin Valley. But farmers are also hoping the federal Central Valley Project will increase allocations. More farmers are dependent on that water supply.

"I think if you get up to 65-70 percent of contracted amounts, farmers always have a way to make it work on their farms, by rotational cropping and different things," says Paul Wenger, president of the California Farm Bureau. "But for the CVP to have zero and the State Water Project to have 45 percent, we're a long way to meeting the needs of folks."

The department says rain and snow have increased water in the state's two largest reservoirs, Lake Shasta and Lake Oroville. Lake Shasta has received more than a million acres of water in March.

The 29 agencies that receive water from the State Water Project serve about 25 million Californians and irrigate just under a million acres of farmland.

<http://www.capradio.org/articles/2016/03/17/california-swp-will-deliver-most-water-since-drought-began/>

White House summit focuses on aggressive, new ways to save water

WASHINGTON — Occupants of 11,000 new single-family houses under construction near Tracy will be able to recycle their shower, bath, laundry and sink water on site using a system designed by Australian water engineers, one of dozens of new water technologies the White House will showcase at its big “water summit” Tuesday.

Hoping to leapfrog a Congress still trying to wring more water out of California’s over-drafted rivers, the Obama administration wants to replicate for water the push it made on solar power nearly eight years ago to jump start new technologies and coordinate the federal response to droughts.

President Obama views efforts to address climate change as a key piece of his legacy, and White House officials view drought as among the most dire consequences of a warming climate. After last fall’s climate talks in Paris, the administration immediately targeted water as a priority.

The White House issued a governmentwide directive Monday to reduce the nation’s vulnerability to drought, which it said “poses a serious and growing threat to the security and economies of communities nationwide.” Toward that effort, administration officials said 150 businesses and nonprofits will pledge \$4 billion in private capital to improve water resiliency. White House science adviser John Holdren, who has been helping drive the administration’s water policy, said Tuesday’s summit was planned to coincide with World Water Day, and while it comes at the tail end of the Obama presidency, “we’ll be passing along a lot of good ideas about what works and what doesn’t.”

Technically known as “gray water,” the soapy effluent of showers, sinks and laundry has long been an obvious source of new water supply. Most of the focus, however, has been on building large recycling plants that ferry household sewage to a centralized treatment plant.

‘Like solar panels’

Treating gray water within each home is “conceptually sort of like solar panels,” said Ralph Petroff, co-founder and chairman emeritus of Nexus eWater, an Australian startup that moved to California last year. The company designed the system employed at River Islands, a master-planned development in the town of Lathrop (San Joaquin County), near Tracy. The company calls the project “the first major development in the world” to combine on-site gray water reuse with recycled energy from the home water heater.

“When the energy crisis hit, people said, ‘Let’s build huge power plants,’” Petroff said. But that takes decades and cost tens of billions of dollars, he said, so rooftop solar began catching on. “There is a similar dynamic now,” he said. “People say, ‘We’ve got a water crisis. We need a lot more water, so we’ll build recycling and desal (desalination) plants,’ and it’ll take 15 years and cost billions. So our solution, similar to solar panels, is to do it on-site and do it during construction.”

The houses will have separate gray-water plumbing, with two underground tanks and a recycling unit about half the size of a refrigerator turned on its side, said Nexus eWater chief executive

Tom Wood. The system adds \$8,000 to \$10,000 to the cost of each house, but will be amortized in a monthly bill partially offset by savings in water and sewer charges. The water can be used to flush toilets but mainly will go outdoors for landscaping and car washing. The system does not include toilet or kitchen waste, so-called black water, but still can reduce household use by an estimated 40 to 60 percent.

Cynthia Koehler, who will attend the summit as executive director of WaterNow, a nonprofit that works on reducing urban water use, said reusing gray water is critical because half of all household water is used outside. She called gray water recycling a “two-fer” that reduces a home’s intake of water and helps maintain some level of landscaping, which is environmentally preferable to covering everything with pavement.

Showcased projects will range far beyond gray water. Ceres, a water nonprofit that opened an office in San Francisco last year, will also announce a “water climate bonds standard” to provide scientific guidelines that can help investors evaluate the credibility of “green” water bonds.

Kirsten James, Ceres’ senior manager for California policy and partnerships, said the San Francisco Public Utilities Commission will be the first to issue a bond under the new standard for storm-water capture and wastewater treatment.

Groundwater accounting

At the summit Tuesday, Stanford University and Aqua Geo Frameworks will release maps made from sensor-equipped helicopters that collect data on alluvial sands in the San Joaquin Valley to help farmers know when to pump or when to refill aquifers. The UC Water Security and Sustainability Research Initiative will unveil a system that combines conventional groundwater data with modeling tools to create a groundwater accounting system that water managers will be able to use by next year.

And NASA’s Jet Propulsion Laboratory at the California Institute of Technology will commit to elevate its Western States water modeling project to a high priority spaceflight mission, providing detailed information on snow, surface water in rivers and reservoirs, soil moisture and groundwater.

Peter Gleick, co-founder of the Pacific Institute, an Oakland nonprofit that works on water issues, said the efforts to improve water use, including everything from federal data collection to corporate sustainability planning, lag far behind attention to energy use and carbon emissions. “It’s been a long time since there’s been any executive-level attention to water issues in the U.S.,” said Gleick, who will attend the summit. “We’re incredibly bad at collecting critically important data,” citing the collection of national water data once every five years as just one example.

Corporate stewardship programs to make supply chains more sustainable when it comes to water use are just beginning.

“That’s a critical piece of the puzzle,” Gleick said, “but it’s a very big puzzle.”

<http://www.sfgate.com/news/article/Recycled-water-system-to-be-put-to-test-at-6933914.php#photo-9647298>

New dispute erupts over Sacramento Delta tunnels project

By Dale Kasler and Ryan Sabalow

A potentially major new fight has erupted over Gov. Jerry Brown's plan to build two huge tunnels beneath the Sacramento-San Joaquin Delta, and this time the protests are coming from a group of farmers that wants the tunnels built.

The San Luis & Delta-Mendota Water Authority, a powerful San Joaquin Valley farm water agency, demanded Monday that two members of the State Water Resources Control Board be disqualified from a crucial hearing on the tunnels scheduled for early May.

In papers filed Monday, the San Luis agency said board Chair Felicia Marcus and board member Tam Doduc, the presiding officers in the hearing, have already made up their minds about a critical issue that could translate into less water delivered to San Luis and other water agencies south of the Delta. Several other water agencies pushing the tunnels project have voiced similar concerns, but none demanded Marcus' and Doduc's ouster from the tunnels hearing.

The protest raises fresh questions about the viability of the \$15.5 billion project, which is designed to re-engineer the plumbing of the Delta, repair its fragile ecosystem and shore up reliability of deliveries of water pumped to the San Joaquin Valley and Southern California. Those deliveries often are interrupted by the need to keep water in the Delta to preserve fish, as well as other environmental concerns.

California WaterFix, as the project is formally known, is already enormously controversial among environmentalists, Delta landowners and Northern California elected officials, who say the tunnels will harm the estuary and enable south state interests to pump more north state water.

San Luis and other south-of-Delta water customers like the idea of the tunnels, but so far most have voiced only tepid support for the project because the Brown administration can't predict how much water the tunnels would deliver. Those south state interests would be on the hook for the \$15.5 billion cost.

The protest over Marcus and Doduc revolves around a crucial decision that the state water board will have to make sometime this year. Currently, water flows down the Sacramento River to the Tracy area, where it's pumped by the federal and state governments to the San Joaquin Valley and Southern California. In order to build the tunnels, the state Department of Water Resources and U.S. Bureau of Reclamation need permission from the water board to divert water from the river at a point north of Tracy, near Clarksburg, where the tunnels would begin. Without that right, the tunnels project can't move ahead.

In a procedural ruling setting out the schedule for the hearings last month, Marcus and Doduc said the board intends to require that, once the tunnels are built, water flows through the Delta would "be more stringent" than what is currently mandated.

Their comment raised red flags throughout the community of water contractors south of the Delta who would have to agree to pay for the tunnels project. If more water is required to flow naturally through the Delta, that potentially would leave less water available to be sent through the tunnels and on to the San Joaquin Valley and Southern California.

Several agencies protested. Reclamation and the Department of Water Resources asked Marcus and Doduc to rewrite their ruling and strip out the language about Delta water flows. State Water Contractors, a consortium of south-of-Delta agencies that includes the powerful Metropolitan Water District of Southern California, said in a letter to the board that the ruling on Delta water flows “appears to be biased and constitutes an abuse of discretion” and should be rescinded.

Marcus and Doduc, in a follow-up order in early March, insisted that their earlier ruling “should not be considered a final determination. ... We have not prejudged this issue.”

But the south-of-Delta water customers remain concerned about the issue, and the San Luis agency said Marcus and Doduc must be removed from the proceeding altogether. They “have predetermined a critical issue,” the San Luis agency said in the papers filed with the water board Monday.

Jon Rubin, the San Luis water agency’s general counsel, said in an interview Tuesday that the board’s mandates could make “less water available for the Central Valley Project and State Water Project,” the two major projects that pump Sacramento River water to the south state. The San Luis agency delivers Central Valley Project water to a host of agricultural districts in the San Joaquin Valley, including the influential Westlands Water District.

Water board spokesman Tim Moran said Marcus and Doduc would have the responsibility for deciding whether they should be disqualified from the proceeding. “There is also the possibility of the entire (five-person) board considering the issue,” he said in an email.

He declined to comment on the arguments raised by the San Luis agency.

Project opponents seized on the new controversy as fresh evidence that the tunnels would be used to facilitate a water grab from Northern California.

“Clearly, the large agribusiness water districts on the west side of the San Joaquin Valley know that the tunnels do not pencil out unless they grab more water from the Bay-Delta estuary,” said Barbara Barrigan-Parrilla of Restore the Delta in a prepared statement. “They are seeking to manipulate the State Water Resources Control Board permitting process to that end.”

<http://www.sacbee.com/news/state/california/water-and-drought/delta/article67529587.html>

Feds warn of new threats to water supplies with climate change

The Obama administration underscored the threat of climate change to Western water supplies Tuesday, releasing a report that projects less snowpack in the mountains and reduced flows in major rivers — all of which spells a much drier future for places such as California.

The report estimates that diminished runoff from the Sierra Nevada will prompt an average 9 percent drop in state reservoir levels by the end of the century and a 3 percent dip in deliveries to cities and farms from the major water projects.

California can also expect its two longest rivers, the Sacramento and San Joaquin, to become warmer as the globe heats up and saltier as rising ocean waters spill into the delta where the rivers intersect, according to the study. These changes will not only impede fish, notably salmon, but also shake up the timing of water deliveries to communities across the state.

The report, spearheaded by the Department of the Interior and the Bureau of Reclamation, found similar repercussions for water supplies across 17 states as it projects a temperature spike of as much as 7 degrees through the century.

“One of the greatest challenges we face is dealing with the impacts of climate change on our nation’s water, which is really the lifeblood of our economy,” Deputy Interior Secretary Michael Connor said in a prepared statement. “We need to continue to develop collaborative strategies across each river basin to ensure that our nation’s water and power supplies, agricultural activities, ecosystems, and other resources all have sustainable paths forward.”

Tuesday’s report was timed with World Water Day and came alongside a handful of financial commitments by the federal government. Mostly, though, it sought to encourage states to work collaboratively on their own projects, from adding water storage to boosting conservation.

California has already embarked on several efforts to bump up water supplies as it enters a fifth year of drought. A mandatory rationing program over the past nine months has yielded a nearly 25 percent drop in urban water use, and a voter-approved funding initiative, 2014’s Proposition 1, is freeing up hundreds of millions of dollars for new dams and groundwater reserves.

The hurdles the state faces with higher temperatures, as laid out in the report, are expected to vary with geography. The upper Sacramento Valley is forecast to receive the same or slightly more precipitation, the San Joaquin Valley is slated for about the same, and Southern California will probably see less.

Rivers in these regions are projected to surge earlier in the year as winters get warmer, meaning less runoff to fill reservoirs in the drier spring and summer months when it’s most needed.

The state’s reservoirs are also expected to lose more water to evaporation as temperatures climb. Lake Shasta, according to the report, will see between 7.7 percent and 12.3 percent more evaporation through 2080.

Boating and other recreational activities on California’s lakes are also likely to decline, since surface reservoir areas are projected to drop an estimated 17 percent.

<http://www.sfgate.com/crime/article/Feds-warn-of-new-threats-to-water-supplies-with-6968450.php#item-44548>

Granite Bay water district says it will no longer follow state water conservation mandate

Pointing to improved conditions at Folsom Lake, a water district serving one of the region's wealthiest areas announced Friday that it would not follow conservation targets mandated by the state this year and would instead ask its customers to voluntarily cut water use by 10 percent.

The San Juan Water District provides water to about 32,000 retail customers near Folsom Lake, including the community of Granite Bay. Its customers consistently use more water per capita than the customers of any other water district in the region, though they also sharply reduced their use during the last nine months, state figures show.

The state has mandated that the district cut its water use by 33 percent through October. Other districts across the state also face mandated cuts. However, San Juan district officials said Friday that rapidly improving conditions at Folsom Lake and a healthy Sierra snowpack make such large cuts unnecessary.

The district's board of directors voted Wednesday to shift from a State 4 Water Crisis Conservation level back to a Stage 2 Water Alert Conservation level. A Stage 2 level translates to a voluntary water cuts of 10 percent and the removal of a drought surcharge.

"Our greatly improved water supply conditions make it very difficult to defend a continued 33 percent reduction in use," said Keith Durkin, San Juan's assistant general manager. "We are still encouraging customers to conserve and use water efficiently. Moving to a Stage 2 doesn't mean we are going back to the way things were before the drought."

San Juan officials said they expect the state to back off conservation mandates later this spring due to improving conditions.

"For the first time in years water is being released from Folsom, Shasta and Oroville reservoirs for flood control," said Lisa Brown, San Juan's customer service manager. "We think reducing from a mandatory Stage 4 to a voluntary Stage 2, which includes removing the drought surcharge, is an important step in recognizing that we are in a different water status now."

George Kostyrko, a spokesman for the State Water Resources Control Board, said the board will consider changes to its conservation mandates in May, after the rainy season has ended. Before then, it will hold a public workshop seeking input on mandated conservation targets.

But nothing has been decided yet, Kostyrko said, and much of the state is still struggling with low reservoir levels and depleted groundwater aquifers. In recent months, the board has fined water districts not following conservation orders.

“The drought is not over,” he said. “While some parts of the state, primarily Northern California, have benefited from recent rains and snowpack, other parts of the state such as the San Joaquin Valley and Southern California continue to endure drought conditions.”

Brown said district officials have been in contact with the state board and discussed their concerns but did not seek its blessing before Wednesday’s action. District officials acknowledge that some areas may need to continue strict conservation mandates, but San Juan is not among them, she said. District officials expect San Juan customers will continue to conserve, but to a lesser degree.

“This is not a slap in the face of the Water Resources Control Board,” she said. “Even though we are moving kind of against their action, we still support what they are doing.”

Durkin said that board members “were not trying to be adversarial” and that they “directed staff to continue to work collaboratively with the State Water Resources Control Board to provide ideas on how to ‘unwind’ the emergency regulations.”

Tom Gray, general manager at the Fair Oaks Water District, said he agrees that the region’s water supply is in much better shape than it has been for years, and that it is unfair for the state to mandate steep cuts for his district this year. But he will recommend to his board that they not yet defy the state water board.

“I think it is prudent to give (the state water board) a chance to perform,” he said. “My recommendation will be to see what the state does.”

In July, San Juan Water District customers used more than 400 gallons of water per capita, more than 100 gallons per capita more than any other district in the region, state figures show. However, the district’s customers also managed to decrease water use by 34 percent from June 2015 to February 2016. The district’s customers tend to have larger-than-average lots, which increases the amount of water needed for irrigation.

The district is heavily reliant on Folsom Lake for its water. Folsom Lake levels are currently above their historic average for this time of year and officials have released tens of billions of gallons in recent weeks from the lake for flood control.

“We have been getting so many calls from our customers saying, ‘I can’t believe you are still calling for us to save when they are releasing water,’ ” Brown said. “It’s a very difficult message. They just don’t understand.”

<http://www.sacbee.com/news/state/california/water-and-drought/article68263012.html>

New groundwater rules confusing and costly, farm water managers say

VISALIA

Farm water managers said new rules for managing underground supplies are confusing and potentially expensive.

The upcoming written regulations for groundwater management agencies need major adjustments, central San Joaquin Valley water district managers told state officials.

The regulations are slated to go into effect June 1; the state Department of Water Resources is taking public comment about them until April 1.

Groundwater management agencies will be the local entities charged with maintaining underground supplies.

At the public meeting last week attended by about 100 farmers and water district managers, several expressed worry that groundwater basins in San Joaquin Valley will have multiple agencies, but the kind of smooth coordination among them that the regulations anticipate may be difficult to achieve.

“I think there’s a lot of confusion,” said Mark Larsen, general manager of the Kaweah Delta Water Conservation District, which is setting up a groundwater management agency for some parts of the Kaweah basin in the Visalia area, while other entities in the region have established neighboring agencies.

The state is aware of the concern about coordination, said Dan McManus, senior engineering geologist at the Department of Water Resources’ sustainable groundwater management program.

“We’ve heard that creates challenges at the local level,” he said. “We’ve heard that quite a bit.”

Groundwater management agencies are being established in basins around the state, and must be created by mid-2017.

Dennis Mills, general manager of the Kings County Water District, said state regulators want to have only one point of contact per basin, which may not be realistic.

“It is expedient for DWR, but not required in the legislation,” Mills said.

Additionally, “the regulations are an unfunded mandate” because for many agencies they will require drilling expensive new wells for monitoring groundwater levels, he said.

The Sustainable Groundwater Management Act of 2014, approved by the Legislature as the California drought took hold with a vengeance, is meant to help California survive droughts without depleting underground reserves.

Under the law, groundwater basins and sub-basins throughout California must be in balance by 2040.

Basins in the central San Joaquin Valley are among the most overdrafted in the state.

Dick Schafer, watermaster of the Tule River, whose flows are used to irrigate farmland, said the regulations go too far.

“They exceed the intent of the Groundwater Management Act” and would add to the cost of preparing the sustainability plans that each agency must prepare under the law by 2020, he said.

Water lawyer Ernest Conant of Bakersfield said the regulations take a “one size fits all” approach when there are different issues among basins.

“The regulations have overreached,” he said.

Not everyone who spoke was a farmer.

Sopac Mulholland, executive director of the Sequoia Riverlands Trust land preservation organization in Visalia, said regulations call for “substantial compliance” in achieving sustainable groundwater but the wording leaves too much wiggle room and should simply be “compliance.”

“When you look at the facts, wells are going dry already,” she said.

<http://www.fresnobee.com/news/business/agriculture/article68712842.html>

State orders Tulare to pipe clean water to Matheny Tract homes

In a statewide first under a new law, Tulare has been ordered to merge its water system with the nearby Matheny Tract so the disadvantaged community can finally have clean tap water.

For years, Matheny's water has had too much arsenic, forcing residents to buy bottled water to protect their health.

The State Water Resources Control Board's Division of Drinking Water issued an order for mandatory consolidation on Wednesday and sent it to city officials.

Tulare has until June 1 to consolidate the city system with Pratt Mutual Water Co., which serves the community of about 300 homes and 1,200 people. Half the homes are rentals, most residents are Latino and 30 percent earn less than the federal poverty line.

Advocates for Matheny Tract residents expressed relief that the state issued the order.

"It's about time," said Ashley Werner, a lawyer for the Leadership Counsel for Justice and Accountability that represents the Matheny Tract Committee community action group.

It requires the city to initiate water service and fully consolidate its water system with Matheny Tract – exactly what our clients were seeking.

Ashley Werner, lawyer for Matheny Tract Committee

"It requires the city to initiate water service and fully consolidate its water system with Matheny Tract – exactly what our clients were seeking," she said.

The Water Resources Control Board said Wednesday it's the first time an order to consolidate has been issued under the new SB88 law that requires consolidation of water systems when public health is at issue.

Werner said the order bodes well for other water-system failures in the state where a merger could solve the problem.

The city welcomes the merger order as a key piece of an out-of-court settlement of lawsuits involving the Matheny Tract issue, Tulare City Councilman Craig Vejvoda said.

"I think it's positive," Vejvoda said. "This letter from the state is good news."

place_quote3

Getting clean water to Matheny Tract has been a local controversy for about two years.

In 2014, a \$4.9 million water main the state paid for using Proposition 84 funds was installed between Tulare and Matheny Tract.

Water meters have yet to be installed as part of the same project. That's expected to happen in April and water should flow by June 1, Werner said.

Before the pipe was laid, Tulare agreed to deliver clean water from city wells. But the city later balked over unexpected system capacity issues and jurisdictional concerns about service connections outside city limits.

It sued Pratt Mutual and the Matheny Tract Committee to change the terms of the agreement, and the Matheny Tract Committee and Pratt countersued. The cases were to go to trial next month but are being settled out of court.

Vejvoda said the previous agreement was vague and left Tulare residents on the hook for some costs related to delivering water to Matheny. But city officials told him that the state will now cover those costs.

“We don’t have to subsidize it from other ratepayers,” he said.

The city will also provide water to Soult’s Tract, a small community next to the city limits in west Tulare where wells have gone dry in the drought, he said.

Two weeks ago, officials from the Division of Drinking Water held a public meeting near Matheny Tract. About 100 people attended and urged the state to require the city to deliver the water.

News that the state ordered the water systems to consolidate is welcome in Matheny Tract, said Javier Medina, a member of the Matheny Tract Committee. His family fills up water jugs for drinking and cooking about once a week.

“Everybody is extremely happy,” he said. “It’s a good thing so we don’t have to get bottles of water.”

<http://www.fresnobee.com/news/local/article69051947.html>

Recent Storms Boost Reservoir Storage, but South State Lags Behind

Submitted by Lisa Lien-Mager on Tue, 03/15/2016 - 4:57pm



Drenching rains have restored key Northern California reservoirs to historic averages, but Southern California has largely missed out and water storage south of the Delta remains low, state and federal water managers said in an update to the State Water Resources Control Board on March 15.

While the recent storms are “encouraging” and have sent large volumes of water into rivers, streams and reservoirs, officials are not ready to declare a “March Miracle” that will lift the state completely out of drought.

State Water Resources Control Board Chair Felicia Marcus expressed cautious optimism about improved conditions, and said the State Water Board would revisit its 2016 emergency drought regulation later this spring.

“I think we are feeling better with the encouraging march storms,” Marcus said at the March 15 meeting. “We still need to wait and see what March brings and April brings. Then we can figure out how to adjust our regulation.”

The regulation, adopted Feb. 2, extends mandatory urban conservation requirements through October with a few limited adjustments to reflect climate, growth and development of some drought-resilient supplies since 2013. The State Water Board was directed at that time to evaluate conditions and revisit the regulation by May 1.

Storms a Boon to North State Storage

State officials are forecasting a storage gain of about 5 million acre-feet of water by the end of March, which would boost statewide storage to about 84% of average by month’s end.

As of March 15, Shasta, Oroville and Folsom reservoirs in North California had reached 100% or more of historic average. Lake Shasta was encroaching on flood control space. By comparison, San Luis Reservoir south of the Delta was at 54% of historic average, New Melones was at 36% of average and Don Pedro 73%.

John Leahigh, water operations chief for the Department of Water Resources, said the department is recalculating runoff forecasts for the Sacramento River and the San Joaquin River as a result of the recent rains, and expects to issue updated allocations for the State Water Project in the coming days. The department issued an initial allocation of 15% of requests in January, and increased it to 30% on Feb. 24.

The Bureau of Reclamation is expected to announce Central Valley Project allocations in mid- to late March.

Leahigh noted that the projects have been pumping at about half of their capacity in the Delta due to water quality standards and requirements to protect species. He indicated that officials hope to release and utilize stored water in Shasta and other reservoir for export during the dry summer months.

“That is something that was not available last year,” Leahigh said.

<http://www.acwa.com/news/water-supply-challenges/recent-storms-boost-reservoir-storage-south-state-lags-behind>

March Storms Allow Increase in State Water Project Allocation to 45%

March storms have significantly boosted some of the state's reservoir levels, prompting the California Department of Water Resources to increase estimated water delivery allocations from the State Water Project to 45%, DWR officials announced today.

Today's announcement is the third increase of the 2015-'16 water year. In December, DWR announced a 10% allocation and increased that estimate to 15% on Jan. 26. After storms increased the Sierra snowpack and brought significant rainfall to some drought-parched parts of the state, officials boosted the estimate a second time Feb. 24 to 30%.

Although February was mostly dry, rain and snow returned in March to boost the state's two largest reservoirs – Shasta Lake and Lake Oroville – to slightly above their historic levels for the date. However, some key reservoirs, particularly in the southern part of the state, remain far below expected levels for this time of year.

Officials stressed in a press release that the drought has not ended despite the rains. California is on track to end the winter season with near-average conditions, but one such season does not compensate for four prior years of drought. Accurately predicting whether water year 2017 will be wet, dry, or average is beyond the skill of climate forecasters, and Californians must be prepared for the possibility of a dry 2017. Even with reservoir levels rising, conservation is the surest and easiest way to stretch supplies, officials said.

“February reminded us how quickly California's weather can turn from wet to dry,” DWR Director Mark Cowin stated in a press release. “The lesson of this drought is that we all need to make daily conservation a way of life.”

March storms also will prevent DWR from needing to install a drought barrier this year to help control salinity in the Sacramento-San Joaquin Delta.

The U.S. Bureau of Reclamation, which operates California's other major water project, the Central Valley Project, is expected to announce its initial allocation later this month.

Key reservoirs are rising from winter storms, but some remain below average for the date.

Here is some data on reservoirs as of early morning March 17: Lake Oroville in Butte County, was holding 2,708,486 acre-feet, 77% of its 3.5 million acre-foot capacity and 105% of its historical average for the date. Shasta Lake north of Redding, California's and the CVP's largest reservoir, was holding 3,850,207 acre-feet, 85% of its 4.5 million acre-foot capacity and 110% of its historical average. But San Luis Reservoir, a critical south-of-Delta pool for both the SWP

and CVP, was holding only 990,970 acre-feet, 49% of its 2 million acre-foot capacity and just 55% of average storage for the date. Folsom Lake, a CVP reservoir near Sacramento, has risen to 70% of its 977,000 acre-foot capacity, 117% of historical average for the date, and has had to make flood control releases to retain space for heavy inflow.

Last year's (2015) 20% SWP allocation was the second lowest since 1991, when agricultural customers of the SWP got a zero allocation and municipal customers received 30% of requests. In 2014, SWP deliveries were 5% of requested amounts for all customers. The last 100% allocation was in 2006. Seven of the nine years since 2007 have been dry.

SWP allocations in recent years include: 2015 – 20%; 2014 – 5%; 2013 – 35%; 2012 – 65%; 2011 – 80%; 2010 – 50%; 2009 – 40%; 2008 – 35%; 2007 – 60 percent; and 2006 – 100%

DWR's California Data Exchange Center (CDEC) web sites show current water conditions at the state's reservoirs and weather stations.

<http://www.acwa.com/news/water-supply-challenges/march-storms-allow-increase-state-water-project-allocation-45>

Sierra Snowpack Strong, But Not Strong Enough to End Drought

The manual snow survey taken at Phillips Station in the Sierra Nevada today revealed a water content of 97% of historical average – a strong showing, but not strong enough to significantly alleviate the water deficits of the past four years of drought. That was the take-away from the March 30 snow survey – both manual and electronic – taken throughout the state. Snow readings taken by state officials in late March or early April are typically envisioned as strong indicators of the strength of spring run-off since snow is at its peak depth. Strong snow melt from the Sierras is crucial to filling critical reservoirs throughout the state and meeting the state’s water needs.

Frank Gehrke, chief of the California Cooperative Snow Surveys Program, said that this “March started out like gangbusters” as far as increased precipitation, but the weather pattern did not continue into the latter part of the month. He added that February was a “complete loss,” so while the March 30 survey is showing strong results in some places, the snow levels are not high enough to alleviate drought concerns.

Statewide, water content of the mountain snowpack is only 87% of the March 30 historical average.

”It’s obviously so much better than last year...,” said Gehrke, referring to the snow survey April 1 last year where Gov. Jerry Brown stood in a barren field. “(But) it’s not what we had hoped for.” Gehrke added that water conditions are better in the north of the state than in the south. He said reservoirs statewide are about 90% of average, which is “encouraging,” but not strong enough to halt the “downward spiral we’ve been in these last two years.”

“El Niño didn’t behave as a typical El Niño.... We’re giving up on this season,” he added. “The likelihood of major storm activity is non-existent.”

Gehrke said that water conservation continues to be crucial for all Californians. Officials said the statewide readings are much better compared to last year, when the water content of the snowpack was only 5% of normal, the lowest dating back to 1950. Today, the statewide snowpack’s water content is 24.4 inches, 87% of average.

Electronic readings of northern Sierra Nevada snow conditions found 28.1 inches of water content (97% of average for March 30), 25.2 inches in the central region (88% of average) and 19.3 inches in the southern region (72 % of average).

<http://www.acwa.com/news/water-supply-challenges/sierra-snowpack-strong-not-strong-enough-end-drought>

Californians “Just Shy” of 25% Water Conservation Mandate

State regulators today released the water conservation tally for the past nine months of mandatory reductions and applauded Californians for coming “just shy” of meeting Gov. Jerry Brown’s 25% water conservation mandate by cumulatively saving 23.9% compared with the same months in 2013. Despite an exceptionally warm and dry month of February, Californians saved nearly 1.19 million acre-feet of water from June 2015 through February 2016 – 96% of the savings goal of 1.24 million acre-feet. Water saved during that period is enough to supply 5.9 million Californians during a one-year period, officials said.

“Californians’ performance was huge..,” State Water Resources Control Board Chair Felicia Marcus said during a press call. “Some communities saved 40% or more.”

Marcus and other officials from the State Water Board cautioned that conservation is still needed, especially since El Niño didn’t bring expected heavy rains to Southern California.

“We were hoping to get a Miracle March and we got a Modest March,” said Marcus.

Statewide, the conservation rate dropped from 17.15% in January to 12% in February, likely due to the warm, dry February. Residents also typically use much less water for outdoor irrigation in the winter months, so there is less opportunity for high volume savings.

The State Water Board will hold a public workshop on April 20 to receive input on conservation adjustments to the current emergency regulations in light of improved water supply, storage, and snowpack, officials said.

Max Gomberg, a staff scientist with the State Water Board, said regulators, in considering adjustments to the current emergency regulation, will look at regional drought disparities and water supply conditions.

Marcus, in a call with reporters, also indicated that the current emergency regulation may need to be adjusted.

“I think we need to adjust it to recognize the reality we are in...,” said Marcus. “I don’t think any state has done (mandatory conservation) on a statewide level because most water is managed locally.”

Officials urged Californians to continue to conserve water, and to adopt efficient methods to save stressed trees. They directed residents to www.saveourwater.com the state’s officials water conservation campaign run in partnership between the Department of Water Resources and ACWA.

Regulators also released data on water agencies that received warning letters, fines or other enforcement actions for not meeting their state-mandated conservation targets. Officials discussed some unique programs where state regulators met with agencies that missed their targets and helped them develop uniquely tailored conservation programs in lieu of fines. In the Coachella Valley Water District, for example, the state and the local agency developed a certification program for landscapers to learn targeted water conservation techniques. Indio Water Authority developed a program specifically targeting disadvantaged communities.

An updated and extended emergency regulation was adopted by the State Water Board on Feb. 2 and took effect Feb. 11. The regulation extends restrictions on urban water use through October while providing urban water suppliers some adjustments in the conservation requirements they must meet. The extended regulation responds to calls for continuing the conservation structure that has spurred such dramatic savings so far while providing greater consideration of some factors that influence water use: climate, population growth and significant investments in new local, drought-resilient water supplies such as wastewater reuse and desalination. The action follows Brown's Nov. 13, 2015 Executive Order directing the State Water Board to extend the emergency water conservation regulation through Oct. 31, 2016 should drought conditions persist

Here is some additional February conservation data:

- Statewide water savings for February 2016 was 12% (41,591 acre-feet or 13.6 billion gallons), a decrease from January 2016's 17.1% savings. See fact sheet here.
- February 2016 compliance indicates that 55% of suppliers met their conservation standards.
- Statewide average water use for February was 67 residential gallons per capita per day (R-GPCD), closely matching the December 2015 average but higher than January's all-time low of 61 gallons per person per day.

Enforcement

Since June 2015 the State Water Board has issued:

- 98 warning letters;
- 118 notices of violation;
- 12 conservation orders (one was rescinded due to compliance);
- Four Administrative Civil Liability Complaints (one ACL paid; three in negotiations); and
- Seven alternative compliance orders.

<http://www.acwa.com/news/conservation/californians-%E2%80%9Cjust-shy%E2%80%9D-25-water-conservation-mandate>

Bureau Announces Initial Water Supply Allocation for CVP

Citing the cumulative effects of the multiyear drought, the U.S. Bureau of Reclamation today released what it called a “cautious” estimate for its initial 2016 water supply allocation for the Central Valley Project.

Due to improved drought conditions in Northern California, north-of-Delta contractors have been allocated 100% of their contract supply, while south-of-Delta agricultural contractors will see much less – just 5% – and eastside contractors have received a zero allocation this year.

The Bureau highlighted several factors affecting the low south-of-Delta allocations: below average conditions in New Melones and San Luis reservoirs, a lack of water at the beginning of the 2016 water year, and environmental restrictions on water that can be exported from the Delta.

“While we are on track for a near-average precipitation season this year, the ongoing and residual impacts of the multiyear drought continue. The impacts this summer will be greatest on the west side of the San Joaquin Valley and some areas served by New Melones Reservoir,” said the Bureau’s Mid-Pacific Regional Director David Murillo in a statement.

The Bureau’s initial 2016 CVP allocations are as follows:

North-of-Delta Contractors

- Agricultural water service contractors north-of-Delta are allocated 100% of their contract supply.
- M&I water service contractors north-of-Delta are allocated 100% of their contract supply.
- Sacramento River Settlement Contractors are allocated 100% of their contract supply.

In-Delta

- The Contra Costa Water District, which receives water directly from the Delta, is allocated 100% of its contract supply.

South-of-Delta Contractors

- Agricultural water service contractors south-of-Delta are allocated 5% of their contract supply.
- M&I water service contractors south-of-Delta are allocated 55% of their historic use.
- San Joaquin River Exchange and Settlement Contractors are allocated 100% of their contract supply.

Wildlife Refuges

- Wildlife refuges (Level 2) north- and south-of-Delta are allocated 100% of their contract supply.

Friant Division Contractors

- Pursuant to Reclamation's March 18 notification to Friant Division contractors and based upon Millerton Lake storage and current and forecasted hydrologic conditions in the Upper San Joaquin River Basin, the Friant Division allocation is 30% of Class 1 supplies.
- In addition, an Uncontrolled Season supply of 100,000 acre-feet and Unreleased Restoration Flow supply related to the San Joaquin River Restoration Program of 85,000 acre-feet are being made available as blocks that need to be scheduled and delivered by May 1 and May 15 respectively to avert flood management concerns.

Eastside Water Service Contractors

- Eastside water service contractors (Central San Joaquin Water Conservation District and Stockton East Water District) will receive 0% of their contract supply due to a lack of available CVP supplies from New Melones Reservoir.

According to the Bureau, as the water year progresses, allocation adjustments may be considered as water supply conditions warrant.

<http://www.acwa.com/news/water-supply-challenges/bureau-announces-initial-water-supply-allocation-cvp>