



**NORTH MARIN WATER DISTRICT**  
**AGENDA**  
**REGULAR MEETING**  
 May 5, 2015 – 7:00 p.m.  
 District Headquarters  
 999 Rush Creek Place  
 Novato, California

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Est. Time	Item	Subject
7:00 p.m.	<b>CALL TO ORDER</b>	
	1.	<b>CLOSED SESSION:</b> Conference with Legal Counsel - Venegas EEOC Complaint (Case 550-2015-00479) in accordance with Government Code Sections 54954.5 and 54956.9(a) - Existing Litigation
	2.	<b>APPROVE MINUTES FROM REGULAR MEETING</b> , April 21, 2015
	3.	<b>GENERAL MANAGER'S REPORT</b>
	4.	<b>OPEN TIME: (Please observe a three-minute time limit)</b>  This section of the agenda is provided so that the public may express comments on any issues not listed on the agenda that are of interest to the public and within the jurisdiction of the North Marin Water District. When comments are made about matters not on the agenda, Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or direct staff to place a matter of business on a future agenda. The public may also express comments on agenda items at the time of Board consideration.
	5.	<b>STAFF/DIRECTORS REPORTS</b> <b>ACTION CALENDAR</b>
	6.	<b>Consider:</b> Bill Adjustment
	7.	<b>Approve:</b> Rate Increase Letter to West Marin Water and Oceana Marin Sewer Customers
7:30 p.m.	<b>INFORMATION ITEMS</b>	
	8.	Initial Review – FY 2015/16 Proposed Novato Operations Budget
	9.	Initial Review – FY 2015/16 Novato Recycled Water System Budget
	10.	Quarterly Progress Report – Water Conservation
	11.	Quarterly Progress Report – Engineering
	12.	Third Quarter Progress Report – Operations/Maintenance
	13.	NBWRA Meeting Update – April 27, 2015
	14.	WAC/TAC Meeting – May 4, 2015
	15.	Update on SWRCB Drought Emergency Water Conservation Regulations

All times are approximate and for reference only.  
 The Board of Directors may consider an item at a different time than set forth herein.

(Continued)

Est. Time	Item	Subject
	16.	<b>MISCELLANEOUS</b> Disbursements Eco-Friendly Garden Tour Novato Flood Protection and Watershed Program Ltr. To SFRWQCB  <u>News Articles:</u> Water regs still clarifying Water partnership asks state to let Marin, Sonoma work together on drought Marin-Sonoma water agencies will not be able to join forces to fight drought Marin IJ Editorial: Marin-Sonoma approach to drought restrictions is better Marin parks chief Linda Dahl announces her retirement Novato schools select new superintendent
8:30 p.m.	17.	<b>ADJOURNMENT</b>

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DRAFT  
NORTH MARIN WATER DISTRICT  
MINUTES OF REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
April 21, 2015

**CALL TO ORDER**

President Baker called the regular meeting of the Board of Directors of North Marin Water District to order at 7:00 p.m. at the District headquarters and the agenda was accepted as presented. Present were Directors Jack Baker, Rick Fraites, Stephen Petterle, Dennis Rodoni and John Schoonover. Also present were General Manager Chris DeGabriele, District Secretary Katie Young and Auditor-Controller David Bentley and Chief Engineer Drew McIntyre.

Novato Residents Michael Joly and David King, Lily Pad Employee Ellen Nicosia, City of Novato Employee Bob Brown, Sonoma County Water Agency employee Don Seymour, and District employees Robert Clark (Operations/Maintenance Superintendent) and Tony Arendell (Construction/Maintenance Superintendent) were in the audience.

Director Schoonover requested a moment of silence in memory of Bill Wright, a longtime former North Marin Water District Board Member.

**PRESENTATION BY SCWA ON UPPER RUSSIAN RIVER WATER SUPPLY**

Mr. DeGabriele introduced Principal Engineer from Sonoma County Water Agency, Don Seymour, who provided a presentation on the Upper Russian River Water Supply and the current and anticipated operations in the future and the future water demands and climate change.

Mr. Seymour thanked the Board for inviting him and made a presentation on Lake Mendocino and the upper Russian River water supply. He advised the Board that as part of a Temporary Urgency Change Order issued by the State Water Resources Control Board (SWRCB) in 2013, the SCWA was required to conduct a long term reliability study of Lake Mendocino and to work with other stakeholders north of Healdsburg on future water supply planning.

Mr. Seymour advised the Board that even though the study and his presentation focuses on Lake Mendocino and the upper Russian River the entire river system must be operated in balance to provide water supply for consumptive uses (both urban and agricultural) and for environmental needs, particularly for threatened and endangered anadromous fisheries.

Mr. Seymour described the Russian River system and that the natural river is used as a conduit for water deliveries from both Lake Mendocino and Lake Sonoma to the SCWA diversion facilities near Forestville. He described the riverbank filtration process utilized with Ranney Collector wells commenting that the water quality is unusually exceptional and requires only adjustment for pH

1 to reduce corrosion in household plumbing and disinfection as required by the State Division of  
2 Drinking Water Quality.

3 Mr. Seymour advised that the watersheds of both Lake Mendocino and Lake Sonoma are  
4 similar in size but that Lake Sonoma's location is a "sweet spot" for rainfall that streams into the  
5 region from Pacific Ocean storm events, and collects much more runoff.

6 Mr. Seymour explained that SCWA controls the lake operation in the water supply pool and  
7 the US Army Corps of Engineers controls the operation when lake storage rises into the flood  
8 control pool. He stated that in the past four years Lake Mendocino has never entered the flood  
9 control pool and that most of the change from historical water storage volumes has been related to  
10 the Potter Valley Project operation.

11 Mr. Seymour also explained that the water year classification which determines in stream  
12 flow requirements in the Russian River are based on inflow to Lake Pillsbury on the Eel River. He  
13 further explained that the Eel River water has been diverted into the Russian River through the  
14 Potter Valley hydroelectric project (PVP) since the early 1900s and that Scott Dam, forming Lake  
15 Pillsbury was constructed in the early 1920s to reliably deliver water to the PVP for year round  
16 hydroelectric power generation. He noted that historically up to 160,000 AF/year of water would be  
17 diverted from the Eel River and reliably fills Lake Mendocino. Mr. Seymour stated that since 2004  
18 that volume has been reduced by over 50% as a result of the Federal Energy Regulatory  
19 Commission requirements on the previous relicensing of the PVP and the National Marine Fisheries  
20 Biological Opinion requirement to keep more water for anadromous fish in the Eel River. He  
21 explained that when the Eel River Biological Opinion was being studied, the hydrologic model  
22 anticipated a 15% reduction in diversion from the Eel River into the Russian River, however the  
23 modeled conditions did not all get reflected in the adopted Biological Opinion.

24 Director Rodoni asked if considering this information it would make sense to raise Lake  
25 Mendocino as it has been proposed by Mendocino County. Mr. Seymour replied that that original  
26 authorization contemplated a higher dam and that it's not a bad idea but without the Potter Valley  
27 Project, the reservoir will go dry.

28 The Board thanked Mr. Seymour for his presentation.

29 **PUBLIC HEARING: DROUGHT EMERGENCY WATER CONSERVATION REGULATIONS**

30 Mr. DeGabriele advised the Board that the State Water Resources Control Board (SWRCB)  
31 issued revised draft Emergency Water Conservation Regulations on Saturday, April 18<sup>th</sup> which  
32 contained major changes from the regulations adopted on March 17<sup>th</sup> and that the requirement to  
33 limit day/week for outdoor irrigation has been removed along with the provision to modify Water

1 Shortage Contingency Plans. He advised the Board that the State Board has now prescribed tiers of  
2 water conservation standards from 4% to 32%, in 4% increments based on the residential gallon per  
3 capita per day (GPCD) performance by each agency during July, August and September 2014. He  
4 noted that for the District, the reported residential GPCD averaged 129 during that period and the  
5 District would be assigned a 24% conservation savings target.

6 Mr. DeGabriele informed the Board that the State Board Fact Sheet explaining the  
7 regulation also included an open question whether for multiple agencies can collectively meet the  
8 conservation standard on a combined basis. He stated that yesterday the Technical Advisory  
9 Committee Ad Hoc met and agreed to propose a regional approach to the State Board under the  
10 Sonoma Marin Saving Water Partnership (SMSWP). Mr. DeGabriele advised the Board that he  
11 worked with the Sonoma County Water Agency staff and drafted a letter to the State Board  
12 proposing a regional agreement under the SMSWP and the letter is now being reviewed by the  
13 SMSWP members. He noted that the deadline to submit comments to the State Board is tomorrow.

14 Mr. DeGabriele stated that he believes the draft regulations will be revised further before the  
15 SWRCB adopts them on May 5<sup>th</sup> or 6<sup>th</sup> and that is why he is requesting the Board continue the  
16 public hearing to the May 19<sup>th</sup> meeting.

17 Mr. DeGabriele stated that in the West Marin Service Area, there is a separate water supply  
18 permit because there are less than 3,000 connections and the service area is classified in a  
19 separate category that will have two requirements: 1) to reduce water usage by 25% or; 2) limit  
20 outdoor irrigation to two days per week. He noted that the Board would likely be asked to approve  
21 separate resolutions for the West Marin Service area and Novato Service Area.

22 Director Rodoni asked if the District could potentially have to reduce 25% more than last  
23 summer.

24 Mr. DeGabriele stated that the Governor's order needs clarification but calls for a 25%  
25 threshold across the board compared to 2013.

26 Director Rodoni recommended proposing gallons per capita per day target for customers.

27 On motion of Director Schoonover, seconded by Director Petterle and approved by the  
28 following vote, the Board continued the public hearing for the Drought Emergency Conservation  
29 Regulations to the May 19, 2015 meeting:

30 AYES: Directors Baker, Fraites, Petterle, Rodoni and Schoonover

31 NOES: None

1 Director Rodoni asked with the delayed action on water conservation regulations what the  
2 message to customers about the drought should be. Mr. DeGabriele advised the Board that  
3 customers need to keep doing what they are to reduce water consumption and that the drought is  
4 still on.

#### 5 **MINUTES**

6 On motion of Director Fraites, seconded by Director Petterle and approved, the Board  
7 approved the minutes from the previous meeting as presented by the following vote:

8 AYES: Directors Baker, Fraites, Petterle, Rodoni and Schoonover

9 NOES: None

#### 10 **GENERAL MANAGER'S REPORT**

##### 11 **Novato City Council Meeting**

12 Mr. DeGabriele advised the Board that next Tuesday he will be attending the Novato City  
13 Council meeting to provide a presentation on the local water supply conditions, the drought and  
14 update the City Council on the Central Service Area Recycled Water Expansion Project.

##### 15 **Novato Watershed Tour**

16 Mr. DeGabriele informed the Board that on Friday, May 1<sup>st</sup>, there will be a Novato  
17 Watershed Tour conducted embarking from Stafford Lake.

#### 18 **OPEN TIME**

19 President Baker asked if anyone in the audience wished to bring up an item not on the  
20 agenda and there was no response.

#### 21 **STAFF / DIRECTORS' REPORTS**

22 President Baker asked if staff or Directors wished to bring up an item not on the agenda and  
23 the following items were discussed:

24 Mr. McIntyre advised the Board that the middle connection on the Aqueduct Energy  
25 Efficiency Project is schedule to be begin tomorrow morning around 4:30am. He stated that District  
26 crew will be assisting the contractor and that it should be the last interruption of flow as part of the  
27 project.

28 Mr. McIntyre informed the Board that he and Director Fraites attended Congressman  
29 Huffman's 3<sup>rd</sup> annual Environmental Roundtable update and that Congressman Huffman is still  
30 optimistic about the sale of the Point Reyes Coast Guard housing property. Director Fraites advised



1 that Congressman Huffman is now a ranking member of the new Water/Power/Oceans Committee  
2 and that it is difficult to get climate change legislation considered in Congress.

3 Director Schoonover inquired about the San Juan Capistrano appeals court decision on  
4 tiered rates and whether or not it affects the District. Mr. DeGabriele advised that the District's legal  
5 counsel is currently reviewing the decision and he will keep the Board informed.

6 Mr. Bentley informed the Board that today was a milestone for the District which was  
7 incorporated on April 21, 1948 and that today the District is 67 years old.

#### 8 **QUARTERLY FINANCIAL STATEMENT**

9 Mr. Bentley provided the Board with the Quarterly Financial Statements stating that  
10 operating revenue is 5% below budget, water consumption operation is 1% below budget and there  
11 has been a \$469K net income in the first nine month. He stated that the cash balance increased to  
12 \$2.4M because CalTrans paid some of the Aqueduct Energy Efficiency Project (AEEP) money owed  
13 to the District. Mr. Bentley stated that water consumption in Novato is down 20% compared to the  
14 last year and revenue is down 15%. He noted that the expenses are down 5% due to the water  
15 purchased from Sonoma County Water Agency. He stated that the District spent \$11M on Capital  
16 Improvement Projects, mostly on the AEEP and Novato ended the quarter with \$12M in the bank.

17 Mr. Bentley advised the Board that Recycled Water consumption is down 6% and revenue is  
18 up 1% due to the 6.5% commodity rate increase. He stated that the cash balance is \$1.6M.

19 Mr. Bentley stated that in the West Marin Service Area water consumption is down 20% and  
20 operating revenue is down 10%. He noted that the drought surcharge brought in \$37K and that the  
21 District is anticipating \$655K in Prop. 50 grant funds for the Gallagher Well Pipeline Project. He  
22 stated that the cash balance for West Marin Water Service Area is \$465K.

23 Mr. Bentley informed the Board that in Oceana Marin that revenue is up 5% and operating  
24 expenditures are lower than the previous year. He noted that the cash balance for Oceana Marin is  
25 \$305K at the end of March.

#### 26 **MONTHLY PROGRESS REPORT**

27 Mr. DeGabriele provided the Board with the Monthly Progress Report for March stated that  
28 water production was down 16% in Novato but there was an increase in March water usage in both  
29 Novato and West Marin compared to a year ago. He stated that Stafford Treatment Plant is  
30 producing good quality water and that recycled water production is up in March. Mr. DeGabriele  
31 informed the Board that Stafford Lake is at 90% capacity, Lake Mendocino is at 60K acre feet and

1 Lake Sonoma is at 214K acre feet. He noted that the freeboards and storage ponds in Oceana  
2 Marin look good and that there has been over 305 days without a lost time accident.

3 Mr. DeGabriele stated that in the Summary of Complaints and Service Orders that overall  
4 the complaints were down 8% compared to a year ago and no water quality complaints were  
5 received.

6 Mr. Bentley provided the Monthly Report of Investments for March stating that the District  
7 had a cash balance of \$14.5M and that the average weighed portfolio was earning 0.50% in interest.

8 **CONSENT CALENDAR**

9 On the motion of Director Schoonover, seconded by Director Petterle the items on the  
10 consent calendar were approved by the following vote:

11 AYES: Directors Baker, Fraites, Petterle, Rodoni and Schoonover

12 NOES: None

13 **WATER AGREEMENT – WELDON EXHIBITS – 33 COMMERCIAL BLVD.**

14 Weldon Exhibits is in the business of designing and building displays for museums around  
15 the globe. The Tenant Improvement Project proposes modifications to the existing building at 33  
16 Commercial Boulevard, Novato which includes remodel of 7,200 sq.ft. of the existing 10,610 sq. ft.  
17 building including converting existing restrooms to disabled accessible restrooms, adding a lunch  
18 room, addition of fire sprinkling and other miscellaneous improvements. New water facilities include  
19 60 ft. of 6-inch PVC pipe, 10 ft. of 6-inch steel pipe and one 6-inch fire service.

20 The Board approved Resolution No. 15-02 entitled: "Authorization of Execution of Water  
21 Service Facilities Construction Agreement with DeRecat Property LLC."

22 **CONSULTING SERVICES AGREEMENT WITH PRUNUSKE CHATHAM, INC.**

23 Prunuske Chatham Inc. has been preparing yearly monitoring reports for the District for the  
24 past two years on the Leveroni Creek Bank Stabilization Project. Staff requested that Prunuske  
25 Chatham Inc. continue to provide yearly monitoring reports for the final three years of the State  
26 required five year reporting period.

27 The Board authorized the General Manager to execute a new General Services Agreement  
28 for Consulting Services between NMWD and Prunuske Chatham, Inc. with a not to exceed limit of  
29 \$20,000.

1 **RECORD RETENTION PROGRAM – DESTRUCTION OF RECORDS**

2 The District's policy for the Retention of Documents and Destructions of Specified  
3 Documents was approved by the Board in 2002 and revised in 2003. The Policy states that once a  
4 year, on or about April 21, the documents designated as eligible will be destroyed in an appropriate  
5 manner. This year, destruction of records is scheduled for April 24, 2015.

6 The Board approved Resolution 15-03 entitled: "Resolution of the Board of Directors of  
7 North Marin Water District to Approve Destruction of Certain Records."

8 **ACTION CALENDAR**

9 **LETTER TO CITY OF NOVATO RE JUNIOR ACCESSORY DWELLING UNITS**

10 Director Fraites recused himself from this item and left the meeting.

11 Mr. DeGabriele reminded the Board of the April 7<sup>th</sup> meeting where the Board considered  
12 applying a connection fee to Junior Accessory Dwelling Units, a new housing classification now  
13 included in the Novato Zoning Code. He noted that at the meeting, the consensus of the Board was  
14 to not impose a connection fee. He stated that the Board and staff have suggestions for the City of  
15 Novato and some suggestions in regard to processing the Junior Accessory Dwelling Units and  
16 monitoring water use. Mr. DeGabriele advised the Board that staff has taken that information and  
17 prepared a draft response letter to the Mayor for the Board's consideration.

18 Director Rodoni indicated that he was pleased with the approach to accommodate the City  
19 of Novato and to enable the Junior Accessory Dwelling Units to move forward without a connection  
20 fee.

21 President Baker advised that he had provided edits to staff on the letter that were included.

22 Bob Brown, City of Novato, extended the City's appreciation on the District's decision..

23 Ellen Nicholisis, Lily Pad, extended her gratitude for the Board's decision and asked if there  
24 would be a request in West Marin for a Junior Accessory Dwelling Unit, would the Board have to  
25 vote again. Mr. DeGabriele replied that the Boards decision would stand for both Novato and West  
26 Marin Service Areas.

27 On motion of Director Schoonover, seconded by Director Petterle and approved, the Board  
28 authorized the President to sign the reply to the Mayor of the City of Novato regarding Junior  
29 Accessory Dwelling Units by the following vote:

30 AYES: Directors Baker, Petterle, Rodoni and Schoonover

31 NOES: None

1 ABSTAIN: Director Fraites

2 Director Fraites rejoined the meeting.

3 **AUTHORIZE STAFF TO DRAFT RATE INCREASE LETTERS FOR WEST MARIN WATER AND**  
4 **OCEANA MARIN SEWER CUSTOMERS**

5 Mr. Bentley advised the Board at the January 20<sup>th</sup> meeting, staff presented an update of the  
6 five-year financial plan for both West Marin Water and Oceana Marin Sewer. He stated that annual  
7 rate increases of 5% were included in the assumptions for both systems and is recommended and  
8 proposed to become effective July 1, 2015 for both systems. He stated that staff will incorporate the  
9 5% increase into the rate increase letters to be reviewed and approved by the Board at its May 5<sup>th</sup>  
10 meeting. Mr. Bentley advised the Board that the letters will be mailed to each customer and must be  
11 postmarked on or before May 16<sup>th</sup> to meet the minimum 45-day notice deadline. He informed the  
12 Board that a public hearing to consider the proposed increases is scheduled for Tuesday, June 30<sup>th</sup>,  
13 in Pt. Reyes. He noted that in West Marin the median single family residential customer will see a  
14 \$30 increase in annual water cost and in Oceana Marin a 5% increase will increase sewer service  
15 cost \$36 annually.

16 On motion of Director Rodoni, seconded by Director Petterle and approved, the Board  
17 authorized staff to draft rate increase letters to West Marin Water and Oceana Marin Sewer  
18 customers, inviting them to the June 30<sup>th</sup> public hearing and advising them of the proposal to enact a  
19 5% increase by the following vote:

20 AYES: Directors Baker, Fraites, Petterle, Rodoni and Schoonover

21 NOES: None

22 **MEMORANDUM OF AGREEMENT AMONG CALIFORNIA DEPARTMENT OF**  
23 **TRANSPORTATION (CALTRANS), PACIFIC GAS AND ELECTRIC (PG&E), AND NORTH MARIN**  
24 **WATER DISTRICT**

25 Mr. McIntyre advised the Board that in July 2014, Caltrans notified the District that PG & E  
26 operates and maintains a high-pressure gas transmission pipeline within its construction easement  
27 and that operation of heavy construction equipment within this overlapping easement may  
28 jeopardize the integrity of the pipeline.

29 Mr. McIntyre stated that since July 2014, District legal counsel and staff have been working  
30 with CalTrans and PG & E's legal counsel and staff to develop a Memorandum of Agreement (MOA)  
31 that is acceptable. He stated that the intent of the MOA is to replicate the District's existing  
32 easement rights as they relate to the uses of the 30-foot permanent construction access easement  
33 fronting the Martinovich parcel while also addressing PG & E's concern regarding protection of their

1 high-pressure gas line. He informed the Board of the MOA's key items: 1) language that insures the  
2 District free access to District facilities with no unreasonable interference; 2) the District shall notify  
3 PG & E at least 14 days before commencing any scheduled construction involving heavy  
4 construction equipment; 3) PG & E acknowledges that advance notification is not required in the  
5 event of an emergency; and 4) PG & E will install and maintain three gas pipeline markers across  
6 the 290 foot wide Martinovich parcel to mark the location of their facilities and to provide contact  
7 information for PG & E.

8 President Baker asked whether the District knows where PG & E's high pressure gas main  
9 is and its size and material type within the overlapping District construction easement. Mr. McIntyre  
10 stated that the District does have that information.

11 On motion of Director Petterle, seconded by Director Schoonover, the Board authorized the  
12 General Manager to execute the Memorandum of Agreement among California Department of  
13 Transportation, Pacific Gas & Electric and North Marin Water District regarding easements on  
14 Sonoma County Parcel Number 019-330-012 by the following vote:

15 AYES: Directors Baker, Fraites, Petterle, Rodoni and Schoonover

16 NOES: None

17 **INFORMATION ITEMS**

18 **INITIAL REVIEW – FY16 & FY17 CAPITAL IMPROVEMENT PROJECT BUDGET**

19 Mr. Bentley explained the annual budget review process to the Board and advised that there  
20 will be three reviews before approval. He stated that in the Capital Improvement Project Budget  
21 (CIP) there is an \$11M gross project outlay for FY16 and \$15.6M for FY17. He stated that the major  
22 project for the District next fiscal year is the Recycled Water Central Expansion Project (\$3.5M)  
23 which is funding by \$2.25M from Marin Country Club with the balance from Federal and State  
24 Grants and SRF loans with SRF loan debt service paid from Novato potable water funds. He  
25 informed the Board that the other projects included are the AEEP (\$2.8M), San Mateo 24" Inlet  
26 Outlet Pipe (\$150K), Radio Read Meter Retrofit (\$500K), Replacement of PRE Tank 4A (\$50K) and  
27 the office/yard building refurbish (\$1.5M). He noted that the refurbish of the office will be done in two  
28 fiscal years and that the District office needs significant work done. Mr. Bentley stated that the  
29 proposed FY16 CIP includes 36 projects, down from 40 approved for FY15.

1 **INITIAL REVIEW – PROPOSED FY 15/16 EQUIPMENT BUDGET**

2 Mr. Bentley reviewed the proposed FY 15/16 Equipment Budget stating that a \$5K threshold  
3 is now used to list items in the equipment budget and it reduces the number to big ticket items that  
4 are planned purchases. He stated that the equipment budget proposes to replace a backhoe and  
5 two ½ pick-up trucks.

6 President Baker asked how staff targets vehicles for replacement. Mr. Clark responded that  
7 the target is a combination of vehicles miles/hours and maintenance costs on individual vehicles. He  
8 also reminded the Board that the District has a great mechanic keeping the vehicles well  
9 maintained.

10 **NBWA MEETING – FRIDAY, MAY 1, 2015**

11 Director Baker advised the Board and staff that he would be attending the North Bay  
12 Watershed Association Meeting on Friday, May 1, 2015.

13 **MISCELLANEOUS**

14 The Board received the following miscellaneous information: Disbursements, Self-Insured  
15 Workers' Comp – 3<sup>rd</sup> Quarter Status Report, FY15 – 3<sup>rd</sup> Quarter Labor Cost Report, and Copy of the  
16 Novato Rate Increase Letter.

17 The Board received the following news articles: Making Sense of Water, California Water  
18 Authorities to Use New Tool in Fight Against Water Wasters, County seeks relief from state water  
19 restrictions, and Sacramento-area agencies push back against proposed cuts.

20 Mr. Bentley advised the Board about the worker's compensation performance and that there  
21 is still one large claim outstanding, but being self-insured has been worthwhile.

22 President Baker asked if it was common to be self-insured. Mr. Bentley stated that more  
23 agencies have become self-insured because of the high premium required for first dollar coverage.

24 President Baker asked how long the District has been self-insured. Mr. Bentley responded  
25 that out of the last 8 years the District has been self-insured for 6 years and has accumulated over  
26 \$565K in cash savings.

27 **ADJOURNMENT**

28 President Baker adjourned the meeting at 8:56 p.m.

29 Submitted by  
30  
31

32 Katie Young  
33 District Secretary  
34

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**4**



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## MEMORANDUM

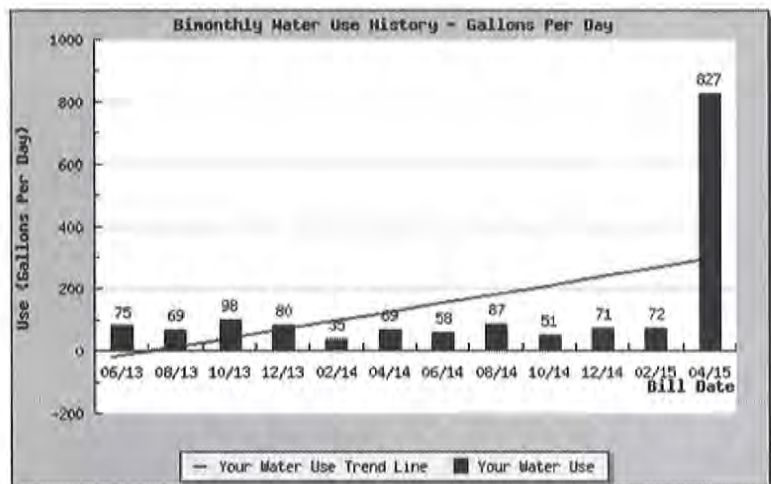
To: Board of Directors  
 From: David L. Bentley, Auditor-Controller  
 Subj: Bill Adjustment  
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May 1, 2015

**RECOMMENDED ACTION: Approve Additional Bill Adjustment****FINANCIAL IMPACT: \$104**

Ms. Bolger, who resides at 322 Laurel Avenue (Blackpoint), received a \$287 water bill in April. Her typical bimonthly bill runs about \$50. Prior to mailing the bill in question, staff identified the water use for this account as being unusually high, and dispatched a Field Service Rep to confirm the reading. The reading was accurate.

Ms. Bolger, who is elderly and lives alone, has been a good customer since constructing her home in 1977. Upon receipt of the water bill Ms. Bolger called the District. We advised her that the meter reading had already been confirmed as accurate. Alarmed, she then called a plumber who came out after hours, investigated, advised her she did not have a leak, and charged her \$228. She then called the District and requested a new meter, which was installed on April 14.



Under the District's Bill Adjustment Policy Ms. Bolger is entitled to a \$135 credit, reducing her bill to \$152. Upon learning this, she insisted she did not use 47,000 gallons of water, that she was home the entire month except for 10 days, that she checked with her neighbors and no one saw a water truck pull-up to her home and fill-up while she was away, and that she should only be responsible for her normal bill amount, which, based on her April 2014 use, would be \$48. Thus, an additional bill adjustment of \$104 is requested (\$152 - \$48).

Ms. Bolger does not like to go out after dark, but said she would come to the Board meeting to protest this bill if necessary. Staff suggested that we carry the request to the Board on her behalf, and if we are unsuccessful, that she could attend a future meeting. She agreed.

**Recommendation:**

Approve \$104 additional bill adjustment.

7

## MEMORANDUM

To: Board of Directors  
From: David L. Bentley, Auditor-Controller  
Subj: Rate Increase Letter to West Marin Water and Oceana Marin Sewer Customers  
t:\ac\word\budget\wm\16\2015 prop 218 ltr cover memo.docx

May 1, 2015

**RECOMMENDED ACTION:** Approve Letter to Customers

**FINANCIAL IMPACT:** \$750

California law requires that customers be notified of a water or sewer rate increase at least 45 days prior to the public hearing where the Board considers adoption of said increase. A public hearing is scheduled for Tuesday, June 30, 2015 at 7:00 PM at the Dance Palace in Point Reyes Station. The June 30 public hearing date requires that the notification letters be postmarked no later than May 16, 2015. The letters will be printed in-house and the marginal postage, stationary and copying cost for the 1,006 active customers will be approximately \$750.

**West Marin Water**

The rate increase proposed for West Marin Water customers will generate 5% (\$38,000 annually) in additional revenue. Consistent with the structure of the increase proposed for Novato customers, the bimonthly service charge component of the water bill is proposed to remain unchanged. The commodity rate is proposed to increase 6.5% effective July 1, 2015.

The percentage increase for each customer will vary based upon their individual water use. The Annual Water Cost Calculator on the District's website allows each customer to see the impact of the proposed increase on their annual water cost based upon their water use over the past 12 months. The median residential customer, assuming no change in water use, would see a 5% increase, amounting to \$2.56 per month (\$31 annually).

**Oceana Marin Sewer**

A 5% rate increase (a \$3 increase to \$71 per month) effective July 1, 2015 is proposed for Oceana Marin sewer service. The increase would generate \$8,200 annually to accumulate funds to pay for relining the wastewater settling and treatment ponds, scheduled for 2018.

The proposed letters are attached for Board review and comment. Legal counsel has reviewed the letters to assure compliance with the notification requirements of California law.

**RECOMMENDATION:**

Approve mailing the rate increase letters to customers.

May 15, 2015

**RE: Notice of Proposed Water Cost Increase – West Marin Service Area**

Dear Customer:

This letter is to advise you of **proposed increases to West Marin water rates and charges** that would take effect on July 1, 2015. It also provides information about a **Public Hearing scheduled on June 30, 2015**, at which time written and oral comments will be considered and a vote on the increase will be taken by the North Marin Water District Board of Directors.

**HOW MUCH ARE THE PROPOSED RATE INCREASES?**

An increase in rates and charges resulting in an average increase of 5% in the annual cost of water service is recommended.

The increase for non-residential customers (commercial, institutional and irrigation accounts) will vary based on water use and meter size. The median non-residential account would also see an average annual 5% cost increase commencing July 1, 2015.

No increase in the bimonthly service charge is proposed.

See Attachment A for a detailed description of the proposed rate increases.

**HOW WILL THE PROPOSED INCREASE AFFECT MY WATER BILL?**

The proposed increase in the commodity rate would add \$2.56 per month (\$31 annually) to the cost of water for the typical (median) single-family residential customer who consumes 59,100 gallons of water annually. Those using less than the median will see an increase less than \$31 annually, and those using more would pay more.

You can determine the increase in your annual water cost based on your water use over the past year from our website. Insert your NMWD account number and the name on your account into the Rate-Increase Model on NMWD's website at <http://www.nmwd.com/accountbalance.php>.

**WHY ARE RATES BEING INCREASED?**

Over the next two fiscal years \$1.2 million will be expended to complete construction of water treatment plant improvements. In addition, the 25,000 gallon redwood tank that was destroyed in the Mount Vision fire will be replaced with an 82,000 gallon concrete tank estimated to cost \$500,000. The funds to complete these projects will need to be borrowed and repaid with interest.

On a positive note, the District is pleased to report that construction of the \$1.5 million pipeline from NMWD's Gallagher well, located adjacent to Lagunitas Creek approximately one mile upstream from the water treatment plant, is now complete and was 80% funded from a California Proposition 50 grant. Water from the Gallagher Well is expected to mitigate the salinity intrusion now experienced at the existing Point Reyes wells during high tide and low creek flow conditions.

#### **ADDITIONAL INFORMATION**

Attachment A provides greater detail of the various rates and customer categories. We realize that no one likes to see rates increase. However, we need to be able to adequately finance West Marin operations in order to continue to provide a clean and reliable water supply.

**A public hearing before the NMWD Board of Directors to consider the proposed rate increase is scheduled for 7:00 pm, Tuesday, June 30, 2015, at the Dance Palace (503 B Street) in Point Reyes Station.**

You are invited to present oral or written testimony on the proposal at the public hearing. You have the right to protest this proposed rate increase. If you do, you must submit your protest in writing, even if you plan to attend the public hearing. If written protests are submitted by a majority of the affected property owners or customers, the proposed increases will not be adopted.

Your written protest must be received prior to the close of the June 30, 2015 public hearing. Written protests must be signed by the property owner or customer of record and must include a description of the parcel (parcel number) or NMWD account number. Send or deliver written protests to:

District Secretary  
North Marin Water District  
PO Box 146  
Novato, CA 94948

For more information about the North Marin Water District, including the history of the West Marin Water System, or to view the most recent Coastal Area Water Cost Comparison or the District's audited financial statement, visit NMWD's website at [www.nmwd.com](http://www.nmwd.com) or call the District Secretary at (415) 897-4133.

Sincerely,



Chris DeGabriele  
General Manager



<b>West Marin Water Recent Capital Improvement Projects – Status Report</b>		
<b><u>Project</u></b>	<b><u>Expenditures thru 3/31/15</u></b>	<b><u>Status</u></b>
1 Replace PRE Tank #3 - 25,000 gal.....	\$91,759	Complete
2 Install 3 Standby Booster Pumps & Controls @ PRE.....	159,990	Complete
3 Bear Valley Pump Station Upgrade.....	88,132	Complete
4 Replace Pt. Reyes 100,000 gal tank w/180,000 gal.....	399,707	Complete
5 Replace Olema 80,000 gal tank w/150,000 gal.....	561,742	Complete
6 Install Parallel 8" Main on Hwy 1.....	180,000	Complete
7 Upgrade Inverness Park PS w/2 150 gpm pumps.....	157,888	Complete
8 Install Pressure Reducing Valve @ Inverness Park PS.....	13,046	Complete
9 Replace 30,000 gal Inverness Park Bolted Steel Tank.....	164,262	Complete
10 Point Reyes Well Replacement.....	262,968	Complete
11 Olema Pump Station Flood Protection & RTU Upgrade.....	39,076	Complete
12 Gallagher Pipeline & Stream Gauge.....	1,462,379	Complete
13 Replace PRE Tank #4A - 82,000 gallon.....	22,328	In Progress
14 Tank Seismic Upgrades.....	115,531	In Progress
15 Water Treatment Plant Enhancements.....	<u>190,918</u>	In Progress
	<b><u>\$3,909,726</u></b>	

## **PROPOSED**

### **West Marin Water System Rate Changes**

EFFECTIVE JULY 1, 2015

<b>BIMONTHLY MINIMUM SERVICE CHARGE</b>	<b><u>Existing</u></b>	<b><u>Proposed</u></b>	<b><u>% Increase</u></b>
For 5/8 x 3/4-inch meter.....	\$30.00	\$30.00	0%
For 1-inch residential meter for fire service.....	\$34.00	\$34.00	0%
For 1-inch meter.....	\$60.00	\$60.00	0%
For all meters in Paradise Ranch Estates.....	\$46.00	\$46.00	0%
<b>QUANTITY CHARGE</b>			
<b><u>Residential Rate Per Dwelling Unit</u></b>			
First 400 gallons per day.....	\$7.15	\$7.61	6.5%
From 401 to 900 gallons per day.....	\$9.90	\$10.54	6.5%
From 901+ gallons per day.....	\$15.88	\$16.91	6.5%
<b><u>Commercial, Institutional &amp; Irrigation Rate</u></b>			
November 1 through May 31.....	\$7.22	\$7.69	6.5%
June 1 through October 31.....	\$9.99	\$10.64	6.5%
<b>PLUS A HYDRAULIC ZONE CHARGE/1,000 GAL</b>			
<b><u>Zone</u></b>			
1 Point Reyes Station.....	\$0.00	\$0.00	0%
2 Bear Valley, Silver Hills, Inverness Park & Lower Paradise Ranch Estates (Elevation 0' - 365').....	\$0.19	\$0.20	6.5%
3 Olema.....	\$0.71	\$0.75	6.5%
4 Upper Paradise Ranch Estates (Elevation 365'+).....	\$4.77	\$5.08	6.5%
Additional Commodity Rate for Consumers Outside the Improvement District Boundary.....	\$2.86	\$3.05	6.5%



May 8, 2015

**RE: Notice of Proposed Oceana Marin Sewer Service Cost Increase**

Dear Customer:

This letter is to advise you of a **proposed increase to the Oceana Marin sewer service charge** that would take effect on July 1, 2015. It also provides information about a **Public Hearing scheduled on June 30, 2015**, at which time written and oral comments will be considered and a vote on the increase will be taken by the North Marin Water District Board of Directors.

**How much is the proposed rate increase?**

Current Oceana Marin sewer service charges are \$68/month (\$816/year). A **5% increase** is proposed equaling \$3/month (\$36/year).

**How will the proposed increase affect my sewer bill?**

Oceana Marin sewer service charges are collected on the Marin County property tax bill, which is rendered annually for the fiscal year period July 1 through June 30. The proposed sewer service charge increase would add \$3 per month to the cost of sewer service for all customers in Oceana Marin, resulting in a total annual charge for the 2015/16 fiscal year of \$852 (\$71 per month for July 2015 through June 2016).

**Why are rates being increased?**

If approved, the proposed increase would be the fourth increase in the Oceana Marin sewer service charge since 2004. On March 31, 2015, Oceana Marin's cash reserve balance stood at \$306,000. Two years ago the District relined 3,100 feet of aging cross-country pipeline at a cost of \$230,000. The next major improvement project, budgeted for 2018, is cleaning and lining the settling and treatment ponds, projected to cost \$350,000. The proposed rate increase is needed to help pay for the Pond Lining project. If enacted, the rate increase would generate \$8,200 of additional revenue annually. However, this 5% rate increase by itself will not provide enough cash to construct the Pond Lining project in 2018. Additional rate increases will be necessary in future years.

**Public Hearing**

A public hearing before the NMWD Board of Directors to consider the proposed sewer service charge increase is scheduled for 7:00 pm, Tuesday, June 30, 2015, at the Dance Palace (503 B Street) in Point Reyes Station.

You are invited to present oral or written testimony on the proposal at the public hearing. You have the right to protest this proposed rate increase. If you do, you must submit your protest in writing, even if you plan to attend the public hearing. If written protests are submitted by a majority of the affected property owners the proposed increase will not be imposed.

Your written protest must be received prior to the close of the June 30, 2015 public hearing. Written protests must be signed by the property owner and must include a description of the parcel (parcel number or service address). Send or deliver written protests to:

District Secretary  
North Marin Water District  
PO Box 146  
Novato, CA 94948

For more information about the North Marin Water District, including a history of the Oceana Marin Sewer System, or to view the most recent Coastal Area Sewer Cost Comparison or the District's audited financial statement, visit NMWD's website at [www.nmwd.com](http://www.nmwd.com) or call the District Secretary at (415) 897-4133.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris DeGabriele". The signature is fluid and cursive, with the first name "Chris" and last name "DeGabriele" clearly distinguishable.


Chris DeGabriele  
General Manager

8

## MEMORANDUM

To: Board of Directors

May 1, 2015

From: David L. Bentley, Auditor-Controller Subj: Initial Review – FY 2015/16 Proposed Novato Operations Budget  
t:\aclword\budget\16\ops review 16 l.docx**RECOMMENDED ACTION:** Information Only – Initial Review**FINANCIAL IMPACT:** None at this time - \$24.4 Million Expenditure Plan for FY16**Budget Summary**

The fiscal year 2015/16 (FY16) budget proposed herein projects a net “bottom line” cash deficit of \$1.1 million, which amount represents the drawdown of the remaining balance of the Bank of Marin loan reserve for the Aqueduct Energy Efficiency Project (AEEP). A rate increase of 3% is factored into the budget effective June 1, 2015. The 3% increase adds \$510,000 to FY16 budgeted revenue.

The \$1.1 million budgeted deficit compares to a FY15 projected cash decrease of \$4.3 million. FY16 water sales volume is again conservatively budgeted at 2.7BG, which is 4% above the FY15 projected volume of 2.6 BG. FY15 water consumption is the lowest since 1983.

Looking simply at operating revenue (water sales) less operating expenditures, the FY15 budget projects a net operating income of \$1.4 million, which is 30% below this year's projected net operating income. Total budgeted outlay, which includes capital improvement projects and debt service, is budgeted at \$24.4 million, and is down \$8.4 million from the FY15 budget, due almost entirely to the major expenditure on the AEEP.

**Budget Detail**

**Water Sales** - Water sales volume is budgeted at 2.7BG, which is 4% above the current fiscal year estimated actual and 10% below the 10-year average. The chart on page 6 of the budget document shows a 10-year history of billed consumption.

The proposed 3% rate increase is structured as a 4% increase in the commodity rate and no increase in the fixed service charge. If approved, the median residential customer would see an average monthly increase of \$1.70. The proposed rate increase would generate \$510,000 in additional revenue next fiscal year.

**Other Revenue** – Connection Fee revenue is budgeted at \$538,000, based on the 48-unit senior rental housing project at 801 State Access Road in Hamilton which has been approved by the City Council and is ready to break ground. The budget projection compares with

\$754,000 of Connection Fee revenue estimated for the current fiscal year.

The wheeling charge to Marin Municipal Water District is budgeted at \$120,000 (\$17/AF for 7,000AF, or 2.3BG). In addition, MMWD will pay the annual fixed AEEP capital contribution of \$245,000 in accord with the terms of the 2014 Interconnection Agreement. The combination of these two payments is a 5-fold increase over the prior annual wheeling charge, and represents compensation for MMWD's beneficial enjoyment of the AEEP. Funds in the District's treasury are budgeted to earn an average interest rate of 0.5%. Miscellaneous Revenue includes income from the Little Mountain cell phone tower lease (\$17,400), Indian Valley Golf Club lease (\$10,600), two grazing leases (\$3,600), rental of the District's security apartment (\$10,800), rental of the Point Reyes home (\$28,000 – which amount includes in-lieu labor), and rental of the Pacheco Valle tennis courts (\$2,600).

### **Operating Expenditures**

**Total Operating Expenditures** are projected to increase 9% (\$1,374,000) from the FY15 budget. Increased cost for labor (including the addition of an Assistant General Manager) and increased purchases of materials, services and supplies are the primary cause of the increase in the budget. Details of some of the individual components of the Operating Expenditure Budget follow.

**Source of Supply** is budgeted to increase 5% (\$249,000) from this year's budget, due primarily to the increase in purchased water cost. The volume of water purchased from SCWA is forecast to be consistent with the current year budgeted volume, and the Sonoma County Water Agency's wholesale water rate will increase 4.9% to \$2,389 per MG on July 1. Including Stafford production budgeted at 750 MG (2,300 acre-feet), total budgeted potable production is 2.7 BG.

**Water Treatment** is budgeted to increase 4% (\$81,000) from this year's budget. Power cost is budgeted at 18.6¢/kWh, up 3% per kWh, consistent with the Photovoltaic Power Purchase Agreement. Normal rainfall is assumed for next winter allowing the Stafford Treatment Plant to produce 750 MG (2,300 AF).

**General Administration** is budgeted to increase 37% (\$626,000) from this year's budget. The FY16 budget includes \$247,000 for an Assistant General Manager position in anticipation of the

General Manager's future retirement. Seven studies are included in the FY16 Administrative Budget, totaling \$350,000, an increase of \$156,000 from the FY15 budget, as follows:

	<b>Project</b>	<b>Cost</b>	<b>Description</b>
1	Stafford Dam Emergency Action Plan	\$40,000	Carryover - includes inundation map update
2	Hydropneumatic Tank Inspections	\$50,000	Contractor inspect & repair 7 pressure systems
3	2015 Urban Water Management Plan	\$15,000	Update in conjunction with SCWA Contractors
4	Insured Property Valuation Assessment	\$40,000	Confirm asset values for insurance purposes
5	Local Water Supply Enhancement Study	\$110,000	Lake storage and alternative source review
6	Retiree Health Liability Actuarial Update	\$5,000	Update required every 3 years
7	Master Plan Update	<u>\$90,000</u>	Last performed in 2010
		<u>\$350,000</u>	

\$70,000 is included for the November election, which is the projected share (\$2 per registered voter) of the County elections department cost..

**Staffing** - The proposed budget includes a staffing level of 52.7 full-time equivalent (FTE) employees, up 1.0 FTE (2%) from the current year budget. An Assistant General Manager position is budgeted at \$14,000 per month in anticipation of the General Manager's future retirement. The June 2015 retirement of Engineering Tech IV John Mello, who has been serving in the Storekeeper position for the past four years, will return the position to Administration. The Storekeeper position will be filled by a Construction Laborer, and the Construction Crew is actively recruiting a replacement Laborer. The Engineering Tech IV position will not be filled at this time. A 5% spot adjustment is included for both the Receptionist/Cashier and the Accounting/HR Supervisor, and a promotion to Assistant Pipeworker for one of the Construction Crew Laborers is included. The proposed staffing level of 52.7 FTE is down 6.4 FTE (11%) from the level adopted in the FY08 budget.

<b>FTE Staffing</b>	<b>FY16</b>	<b>FY15</b>	<b>Reason for Change</b>
Administration	9.0	7.0	Assistant GM & Return Storekeeper
Consumer Services	6.0	6.0	
Construction/Maintenance	12.0	12.0	
Engineering	7.7	8.7	Return Storekeeper to Administration
Maintenance	8.0	8.0	
Operations	5.0	5.0	
Water Quality	<u>5.0</u>	<u>5.0</u>	
	<u>52.7</u>	<u>51.7</u>	

Temporary staffing is proposed to increase by 1,210 hours (16%), to 8,930 hours, budgeted as follows:

<b><u>Temporary Staffing Hours</u></b>	<b><u>FY16</u></b>	<b><u>FY15</u></b>	<b><u>Reason for Change</u></b>
Administration	450	0	Accounting Clerk Assist/Vacation Relief
Customer Accounting	2,000	2,000	
Construction/Maintenance	1,760	1,760	
Engineering	2,500	2,500	
Maintenance	1,020	810	Valve & Hydrant Operation Assistance
Operations	1,200	700	Valve & Hydrant Operation Assistance
Water Quality	<u>0</u>	<u>0</u>	
	<u>8,930</u>	<u>7,770</u>	

For budgeting purposes, a 2.7% cost-of-living salary increase has been factored into the budget effective October 1, 2015, as well as a 1.6% salary increase to offset the negotiated requirement that employees pay an additional 1.6% of salary toward their retirement benefit. The COLA and CalPERS offset adjustments would increase total salaries by \$150,000, pushing up the total overheaded cost of payroll by \$197,000 (2.7%).

The District's average CalPERS retirement contribution rate will increase 1.9% (to 21.2%) from the amount budgeted last year. Employees pay a larger share of the retirement obligation, saving \$54,000 in payroll expense. The CalPERS Board is scheduled to approve 2016 group health insurance rates in June. For budgeting purposes, a 7.3% increase in group health insurance rates effective January 1, 2016 is assumed, which is the average rate of increase over the past 10 years, and which would increase budgeted labor cost by \$31,000. The cost for first dollar worker's compensation insurance is budgeted to remain flat. While the District intends to continue self-insuring this coverage, proposals have been requested for standard workers' compensation insurance to provide a current calculation of savings (or loss) accrued through self-insuring this coverage.

Total budgeted operating expenditures are up \$1,284,000 (8%) compared to the adopted FY15 budget. An analysis of the significant differences between the FY15 budget and the proposed FY16 operating budget follows, listed in decreasing order of magnitude.

<b>Component</b>	<b>Increase/ (Decrease) vs. FY15 Budget</b>	<b>FY16 % Change</b>
Labor	\$450,000	8%
Materials, Services & Supplies	307,000	10%
Purchased Water Cost	230,000	5%
Depreciation	200,000	8%
Distributed G&A & Overheads	77,000	12%
Vehicle Expense	20,000	9%
Net Increase	<u>\$1,284,000</u>	<u>8%</u>

This budget draft will be fine-tuned in conjunction with preparation of the West Marin Budgets, additional review of the Capital Improvement Projects budget, and with updated information regarding medical and insurance costs as they become available, and will be presented for additional review at the May 19 meeting.



Proposed  
**BUDGET**

*Initial Review*

**Novato**  
**Operating Budget**  
FISCAL YEAR  
**2015-16**

***NORTH MARIN WATER DISTRICT***

*999 RUSH CREEK PLACE, NOVATO, CA*

TABLE OF CONTENTS  
NORTH MARIN WATER DISTRICT  
PROPOSED 2015/16 OPERATING BUDGET

Budget Summary .....	1
Operating Budget Detail.....	2
 <u>Supplemental Information</u>	
Source and Use of Funds Pie Chart.....	5
Novato Water - Billed Consumption History .....	6
Novato Water - Operating Expense History .....	7
District Organizational Memberships.....	8
District Subscriptions.....	10

**NOVATO WATER**  
**BUDGET SUMMARY**  
**Fiscal Year 2015/16**

	<i>Proposed Budget 2015/16</i>	<i>Estimated Actual 2014/15</i>	<i>Adopted Budget 2014/15</i>
<b>OPERATING INCOME</b>			
1 Water Sales	\$17,628,000	\$16,632,000	\$17,187,000
2 Wheeling & Misc Service Charges	380,000	348,000	379,000
3 <b>Total Operating Income</b>	<b>\$18,008,000</b>	<b>\$16,980,000</b>	<b>\$17,566,000</b>
<b>OPERATING EXPENDITURES</b>			
4 Source of Supply	\$4,865,000	\$4,640,000	\$4,617,000
5 Pumping	367,000	320,000	365,000
6 Operations	598,000	601,000	542,000
7 Water Treatment	1,974,000	1,677,000	1,891,000
8 Transmission & Distribution	2,705,000	2,592,000	2,675,000
9 Consumer Accounting	593,000	547,000	559,000
10 Water Conservation	451,000	445,000	445,000
11 General Administration	2,301,000	1,645,000	1,676,000
12 Depreciation Expense	2,700,000	2,530,000	2,500,000
13 <b>Total Operating Expenditures</b>	<b>\$16,554,000</b>	<b>\$14,997,000</b>	<b>\$15,270,000</b>
14 <b>NET OPERATING INCOME (LOSS)</b>	<b>\$1,454,000</b>	<b>\$1,983,000</b>	<b>\$2,296,000</b>
<b>NON-OPERATING INCOME/(EXPENSE)</b>			
15 Interest Revenue	\$64,000	\$65,000	\$41,000
16 Miscellaneous Revenue	\$83,000	\$137,000	\$140,000
17 Interest Expense	(510,000)	(525,000)	(538,000)
18 Miscellaneous Expense	(20,000)	(\$11,000)	(20,000)
19 <b>Total Non-Operating Income/(Expense)</b>	<b>(\$383,000)</b>	<b>(\$334,000)</b>	<b>(\$377,000)</b>
20 <b>NET INCOME/(LOSS)</b>	<b>\$1,071,000</b>	<b>\$1,649,000</b>	<b>\$1,919,000</b>
<b>OTHER SOURCES/(USES) OF CASH</b>			
21 Add Depreciation Expense	\$2,700,000	\$2,530,000	\$2,500,000
22 Connection Fees	538,000	754,000	1,281,000
23 Caltrans AEEP Capital Contribution	2,390,000	7,480,000	8,840,000
24 MMWD AEEP Capital Contribution	245,000	245,000	245,000
25 Loans/Grants	2,000,000	0	0
26 Capital Equipment Expenditures	(199,000)	(198,000)	(198,000)
27 Capital Improvement Projects	(8,080,000)	(14,840,000)	(17,510,000)
28 Debt Principal Payments	(1,035,000)	(1,022,000)	(1,007,000)
29 Connection Fee Transfer to RWS	(717,000)	(816,000)	(737,000)
30 <b>Total Other Sources/(Uses)</b>	<b>(\$2,158,000)</b>	<b>(\$5,867,000)</b>	<b>(\$6,586,000)</b>
31 <b>CASH INCREASE/(DECREASE)</b>	<b>(\$1,087,000)</b>	<b>(\$4,218,000)</b>	<b>(\$4,667,000)</b>

**NOVATO WATER OPERATING BUDGET DETAIL****Fiscal Year 2014/15**

	Proposed Budget 15/16	Estimated Actual 14/15	Adopted Budget 14/15	Actual 13/14	Actual 12/13	Actual 11/12	Actual 10/11	Actual 09/10
<b>STATISTICS</b>								
1 Active Meters	20,600	20,550	20,550	20,505	20,492	20,490	20,464	20,438
2 Avg Commodity Rate/1,000 Gal (Net)	\$5.00	\$4.84	\$4.84	\$4.66	\$4.32	\$4.05	\$3.82	\$3.50
3 Potable Consumption (BG)	2.70	2.50	2.70	2.95	3.02	2.82	2.79	2.87
<b>OPERATING INCOME</b>								
4 Water Sales	\$17,720,000	\$16,720,000	\$17,300,000	\$17,944,029	\$16,626,526	\$14,220,429	\$12,727,649	\$11,301,674
5 Bill Adjustments	(92,000)	(88,000)	(113,000)	(95,470)	(104,567)	(58,770)	(66,248)	(\$49,842)
6 Sales to MMWD	0	0	0	432,294	0	0	0	0
7 Wheeling Charges-MMWD	120,000	89,000	120,000	100,527	251,980	58,802	53,662	67,180
8 SCWA Water Conservation Reimb	0	0	0	0	0	0	0	21,450
9 Miscellaneous Service Revenue	260,000	259,000	259,000	265,496	223,619	197,752	145,787	140,796
10 <b>TOTAL OPERATING INCOME</b>	<b>\$18,008,000</b>	<b>\$16,980,000</b>	<b>\$17,566,000</b>	<b>\$18,646,876</b>	<b>\$16,997,558</b>	<b>\$14,418,213</b>	<b>\$12,860,850</b>	<b>\$11,481,258</b>
<b>OPERATING EXPENSE</b>								
<b>SOURCE OF SUPPLY</b>								
11 Supervision & Engineering	\$19,000	\$10,000	\$18,000	\$9,698	\$9,103	\$9,064	\$8,965	\$2,007
12 Operating Expense - Source	11,000	10,000	11,000	10,497	6,821	11,488	5,927	5,745
13 Maintenance/Monitoring of Dam	50,000	5,000	34,000	19,438	38,295	25,716	8,290	8,741
14 Maintenance of Lake & Intakes	21,000	0	21,000	11,701	14,481	10,377	8,619	8,072
15 Maintenance of Watershed	41,000	5,000	40,000	17,015	23,405	8,188	2,152	7,352
16 Water Purchased for Resale to MMWD	0	0	0	253,539	0	0	0	0
17 Water Quality Surveillance	13,000	10,000	13,000	13,713	12,776	16,385	12,377	13,138
18 Contract Water - SCWA	4,710,000	4,600,000	4,480,000	5,698,211	5,135,330	5,047,469	3,790,789	3,441,147
19 <b>TOTAL SOURCE OF SUPPLY</b>	<b>\$4,865,000</b>	<b>\$4,640,000</b>	<b>\$4,617,000</b>	<b>\$6,033,812</b>	<b>\$5,240,211</b>	<b>\$5,128,687</b>	<b>\$3,837,119</b>	<b>\$3,486,202</b>
<b>PUMPING</b>								
20 Operating Expense	\$3,000	\$0	\$3,000	\$0	\$0	\$0	\$641	\$8,367
21 Maintenance of Structures/Grounds	39,000	63,000	34,000	46,502	24,115	29,042	17,153	18,600
22 Maintenance of Pumping Equipment	70,000	37,000	71,000	27,696	35,637	50,797	17,354	10,751
23 Electric Power - Pumping	255,000	220,000	257,000	255,711	263,471	204,927	233,222	200,318
24 <b>TOTAL PUMPING</b>	<b>\$367,000</b>	<b>\$320,000</b>	<b>\$365,000</b>	<b>\$329,909</b>	<b>\$323,223</b>	<b>\$284,766</b>	<b>\$268,370</b>	<b>\$238,036</b>
<b>OPERATIONS</b>								
25 Supervision & Engineering	\$170,000	\$237,000	\$162,000	\$219,520	\$187,986	\$185,838	\$185,361	\$176,082
26 Operating Expense	261,000	248,000	216,000	274,893	264,400	255,272	191,713	212,126
27 Maintenance Expense	85,000	16,000	82,000	79,906	101,036	105,545	94,633	84,121
28 Telemetry Equipment/Controls Maint	65,000	83,000	64,000	62,223	44,349	67,936	83,047	67,051
29 Leased Line Expense	17,000	17,000	18,000	17,675	17,921	18,930	20,841	20,547
30 <b>TOTAL OPERATIONS</b>	<b>\$598,000</b>	<b>\$601,000</b>	<b>\$542,000</b>	<b>\$654,217</b>	<b>\$615,692</b>	<b>\$633,521</b>	<b>\$575,595</b>	<b>\$559,927</b>

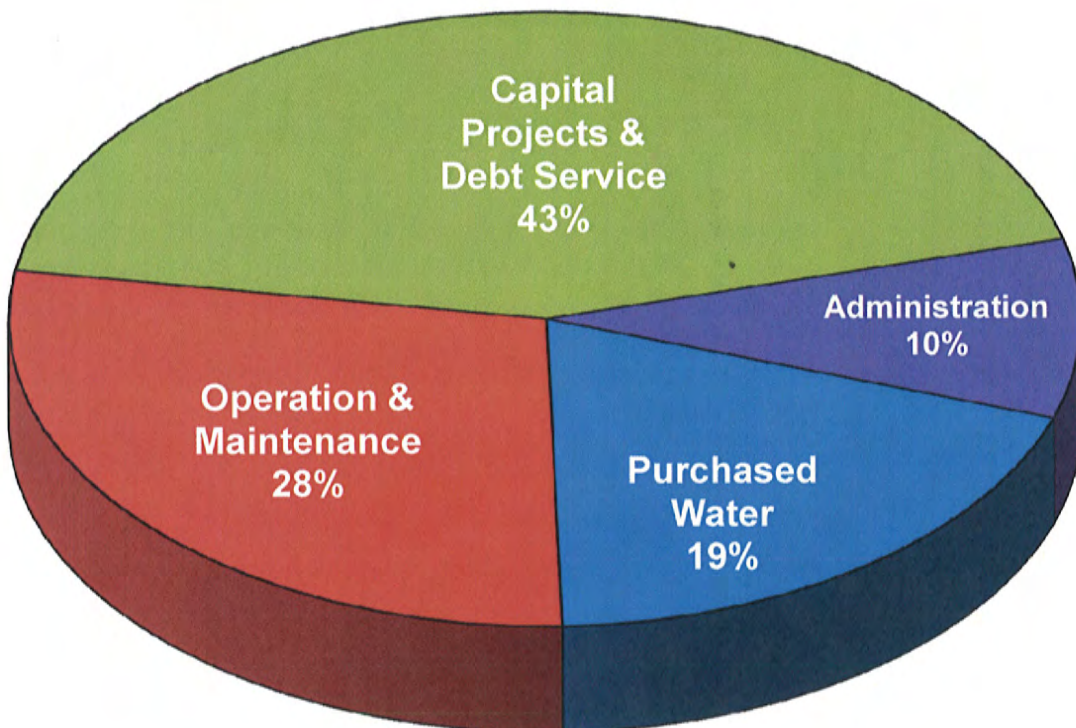
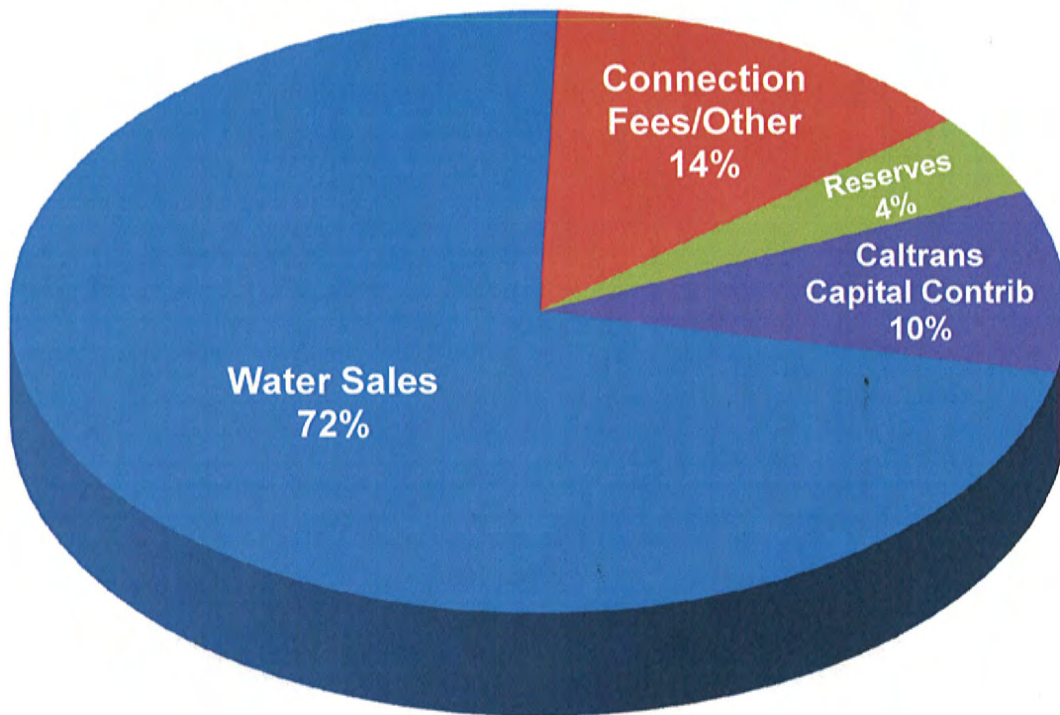
**NOVATO WATER OPERATING BUDGET DETAIL****Fiscal Year 2014/15**

	Proposed Budget 15/16	Estimated Actual 14/15	Adopted Budget 14/15	Actual 13/14	Actual 12/13	Actual 11/12	Actual 10/11	Actual 09/10
<b>WATER TREATMENT</b>								
31 Supervision & Engineering	\$98,000	\$125,000	\$94,000	\$111,096	\$112,612	\$100,916	\$121,459	\$122,312
32 Operating Expense	286,000	249,000	265,000	285,050	308,301	206,957	320,882	365,305
33 Purification Chemicals	425,000	263,000	425,000	316,762	400,627	253,797	464,140	415,486
34 Sludge Disposal	87,000	61,000	85,000	66,085	103,196	100,861	84,618	69,209
35 Maintenance of Structures/Grounds	76,000	76,000	82,000	60,148	52,242	82,839	71,772	83,411
36 Purification Equipment Maintenance	140,000	106,000	130,000	137,838	137,793	136,782	105,217	157,642
37 Electric Power - Treatment	134,000	129,000	132,000	135,637	112,767	114,184	128,913	129,930
38 Laboratory Expense (net)	728,000	668,000	678,000	655,315	602,901	568,124	517,044	495,239
39 <b>TOTAL WATER TREATMENT</b>	<b>\$1,974,000</b>	<b>\$1,677,000</b>	<b>\$1,891,000</b>	<b>\$1,767,931</b>	<b>\$1,830,439</b>	<b>\$1,564,460</b>	<b>\$1,814,045</b>	<b>\$1,838,534</b>
<b>TRANSMISSION &amp; DISTRIBUTION</b>								
40 Supervision & Engineering	\$486,000	\$567,000	\$585,000	\$486,544	\$427,430	\$423,813	\$466,110	\$528,659
41 Maps & Records	139,000	92,000	125,000	77,995	106,669	96,058	74,154	98,187
42 Operation of T&D System	559,000	420,000	507,000	511,708	460,489	478,959	422,375	448,650
43 Storage Facilities Expense	147,000	151,000	141,000	134,352	87,843	140,564	158,247	164,316
44 Maintenance of Valves & Regulators	208,000	174,000	204,000	91,709	117,299	132,239	190,866	190,255
45 Maintenance of Mains	127,000	160,000	110,000	72,176	86,906	49,922	146,814	102,633
46 Backflow Prevention Program	131,000	157,000	104,000	147,878	102,338	84,714	124,121	93,754
47 Maintenance of Copper Services	185,000	220,000	191,000	141,987	175,880	190,698	164,388	199,807
48 Maintenance of PB Service Lines	445,000	441,000	435,000	411,357	483,006	443,509	347,802	263,714
49 Maintenance of Meters	133,000	98,000	129,000	94,418	93,360	135,900	146,170	143,691
50 Detector Check Assembly Maint	67,000	87,000	39,000	52,369	7,581	38,361	36,509	41,557
51 Maintenance of Hydrants	78,000	25,000	105,000	22,154	28,531	33,980	50,354	77,038
52 <b>TOTAL TRANSMISSION &amp; DISTRIB</b>	<b>\$2,705,000</b>	<b>\$2,592,000</b>	<b>\$2,675,000</b>	<b>\$2,244,647</b>	<b>\$2,177,332</b>	<b>\$2,248,717</b>	<b>\$2,327,910</b>	<b>\$2,352,261</b>
<b>CONSUMER ACCOUNTING</b>								
53 Meter Reading & Collection	\$209,000	\$160,000	\$196,000	\$182,216	\$180,030	\$170,589	\$142,581	\$142,956
54 Billing & Accounting	257,000	260,000	249,000	256,653	247,897	282,702	282,046	260,428
55 Contract Billing	19,000	17,000	19,000	17,561	18,110	18,231	18,285	18,590
56 Postage & Supplies	53,000	59,000	63,000	61,791	64,497	63,359	70,347	64,698
57 Credit Card Fees	23,000	24,000	15,000	14,149				
58 Lock Box Service	11,000	10,000	0					
59 Uncollectible Accounts	15,000	15,000	18,000	19,500	23,230	26,685	32,723	35,190
60 Office Equipment Expense	21,000	18,000	15,000	23,905	8,290	8,690	9,835	5,048
61 Distributed to Other Operations	(15,000)	(16,000)	(16,000)	(15,276)	(13,961)	(15,726)	(15,762)	(15,694)
62 <b>TOTAL CONSUMER ACCOUNTING</b>	<b>\$593,000</b>	<b>\$547,000</b>	<b>\$559,000</b>	<b>\$560,499</b>	<b>\$528,093</b>	<b>\$554,530</b>	<b>\$540,055</b>	<b>\$511,216</b>

**NOVATO WATER OPERATING BUDGET DETAIL****Fiscal Year 2014/15**

	Proposed Budget 15/16	Estimated Actual 14/15	Adopted Budget 14/15	Actual 13/14	Actual 12/13	Actual 11/12	Actual 10/11	Actual 09/10
<b>WATER CONSERVATION</b>								
63 Residential	\$346,000	\$375,000	\$337,000	\$362,499	\$222,637	\$213,883	\$338,093	\$438,668
64 Commercial	25,000	10,000	25,000	2,605	1,169	1,414	15,423	2,707
65 Public Outreach/Information	50,000	40,000	53,000	51,638	28,477	41,251	19,047	26,548
66 Large Landscape	30,000	20,000	30,000	12,702	13,966	13,780	10,337	10,695
<b>TOTAL WATER CONSERVATION</b>	<b>\$451,000</b>	<b>\$445,000</b>	<b>\$445,000</b>	<b>\$429,444</b>	<b>\$266,249</b>	<b>\$270,328</b>	<b>\$382,900</b>	<b>\$478,618</b>
<b>GENERAL &amp; ADMINISTRATION</b>								
67 Director's Expense	\$32,000	\$29,000	\$30,000	\$25,300	\$14,400	\$15,000	\$15,100	\$16,200
68 Legal Fees	12,000	10,000	12,000	20,906	10,112	7,098	8,572	59,818
69 Human Resources	34,000	28,000	33,000	28,386	35,917	21,860	32,112	33,080
70 Auditing Services	21,000	18,000	18,000	21,050	20,600	28,900	27,800	31,100
71 Consulting Services/Studies	349,000	115,000	194,000	0	53,327	34,731		
72 General Office Salaries	1,537,000	1,173,000	1,239,000	1,184,164	1,214,210	1,252,684	1,177,170	1,166,410
73 Office Supplies	47,000	25,000	52,000	46,174	37,232	22,743	38,870	47,363
74 Employee Events	12,000	9,000	12,000	7,227	6,204	5,931	4,469	11,366
75 Other Administrative Expense	16,000	13,000	16,000	13,240	18,150	17,254	17,414	20,090
76 Election Cost	70,000	0	0	250	0	250	0	250
77 Dues & Subscriptions	57,000	54,000	54,000	47,842	45,607	49,260	47,775	49,208
78 Vehicle Expense	8,000	8,000	8,000	8,112	8,112	8,118	8,112	8,112
79 Meetings, Conf & Training	185,000	136,000	173,000	117,425	112,402	97,626	101,472	114,985
80 Telephone, Water, Gas & Electricity	39,000	37,000	35,000	33,328	32,995	26,172	29,012	27,203
81 Building & Grounds Maintenance	51,000	52,000	50,000	35,642	41,194	36,438	35,902	53,907
82 Office Equipment Expense	90,000	104,000	102,000	90,231	82,349	89,291	74,325	85,550
83 Insurance Premiums & Claims	103,000	86,000	106,000	72,192	76,473	113,556	118,451	117,023
84 Retiree Medical Benefits	177,000	175,000	156,000	159,691	166,699	160,725	147,084	138,105
85 (Gain)/Loss on Overhead Charges	29,000	29,000	(128,000)	(222,710)	(136,354)	(297,783)	(172,628)	(214,770)
86 G&A Distributed to Other Operations	(181,000)	(110,000)	(120,000)	(76,538)	(77,443)	(101,630)	(104,515)	(100,811)
87 G&A Applied to Construction Projects	(387,000)	(346,000)	(366,000)	(389,569)	(392,205)	(327,881)	(269,439)	(153,213)
88 Expensed Improvement Projects	0	0	0	0	0	0	122,785	1,220,617
89 Expensed Equipment Purchases	0	0	0	0	0	3,383	29,993	31,266
<b>TOTAL GENERAL &amp; ADMINISTRATION</b>	<b>\$2,301,000</b>	<b>\$1,645,000</b>	<b>\$1,676,000</b>	<b>\$1,222,343</b>	<b>\$1,369,981</b>	<b>\$1,263,726</b>	<b>\$1,489,836</b>	<b>\$2,762,859</b>
90 Depreciation Expense	\$2,700,000	\$2,530,000	\$2,500,000	\$2,445,634	\$2,417,032	\$2,372,380	\$2,309,166	\$2,312,339
<b>91 TOTAL OPERATING EXPENSE</b>	<b>\$16,554,000</b>	<b>\$14,997,000</b>	<b>\$15,270,000</b>	<b>\$15,688,436</b>	<b>\$14,768,252</b>	<b>\$14,321,115</b>	<b>\$13,544,996</b>	<b>\$14,539,992</b>
<b>92 NET OPERATING INCOME/(LOSS)</b>	<b>\$1,454,000</b>	<b>\$1,983,000</b>	<b>\$2,296,000</b>	<b>\$2,958,440</b>	<b>\$2,229,306</b>	<b>\$97,098</b>	<b>(\$684,146)</b>	<b>(\$3,058,734)</b>

**NORTH MARIN WATER DISTRICT - NOVATO WATER**  
**FISCAL YEAR 2015-16**  
**SOURCE OF FUNDS = \$24.4 MILLION**



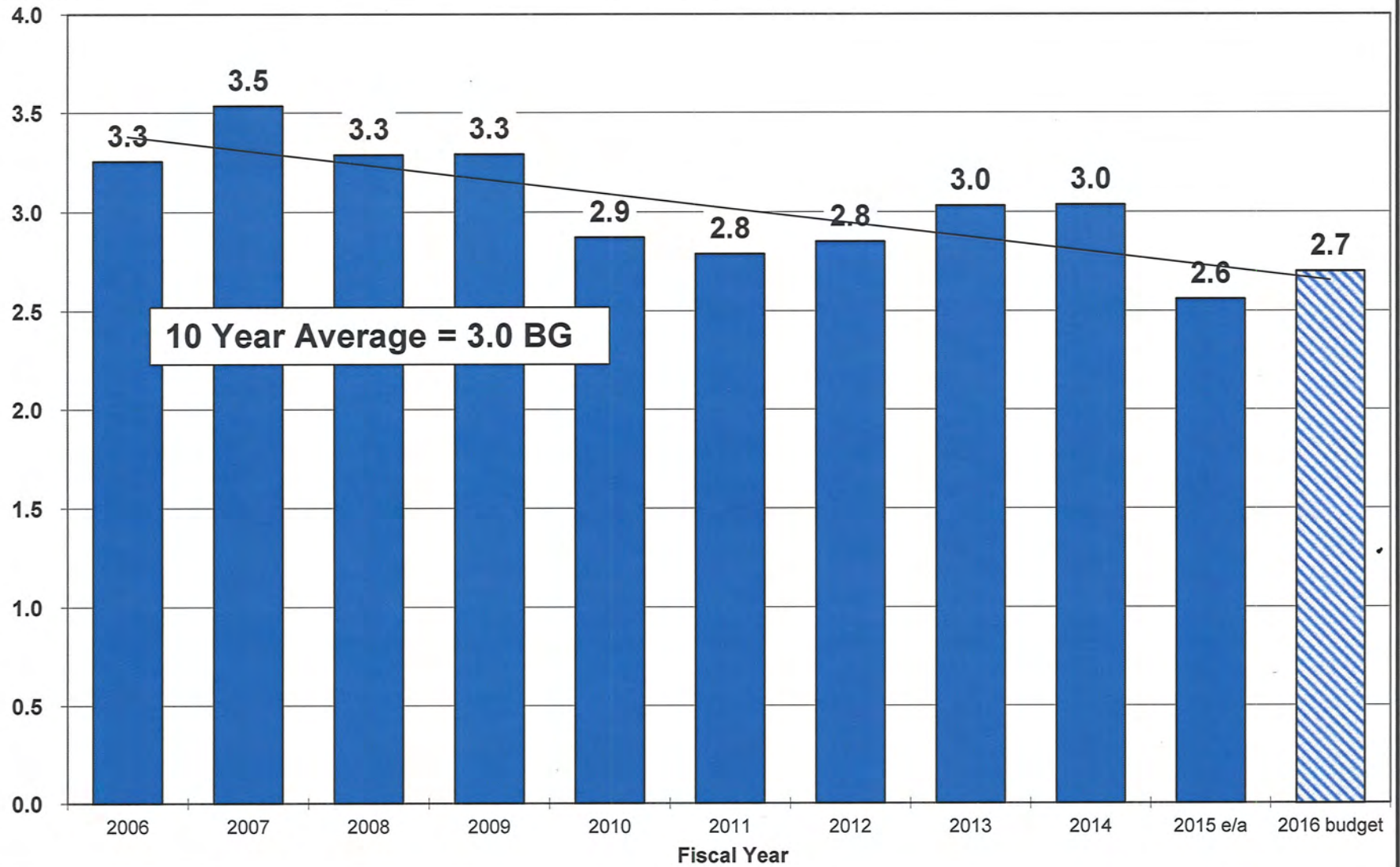


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# Novato Water Billed Consumption 10 Year History

Billion  
Gallons





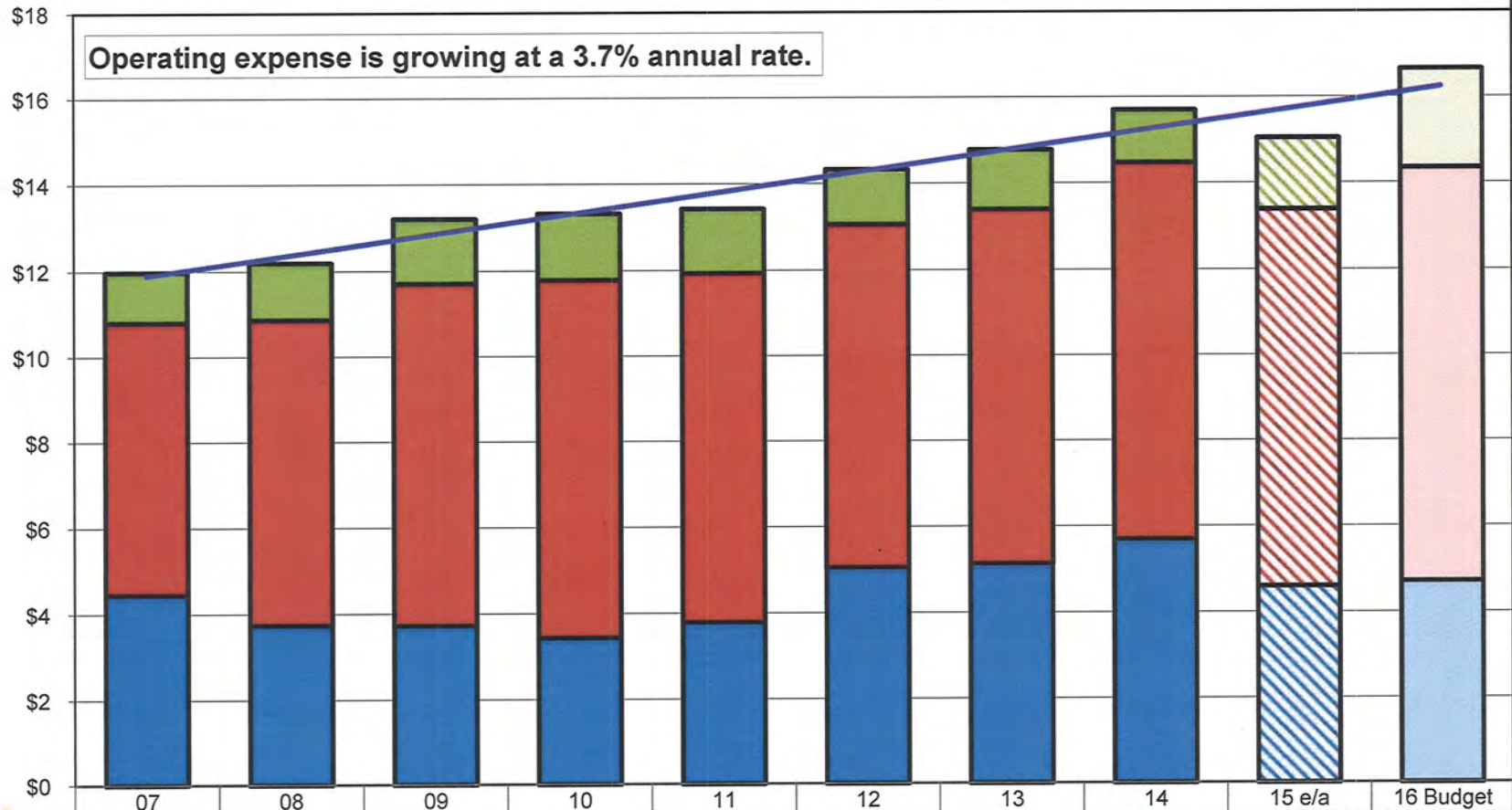
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Million \$

# Novato Water Operating Expense History

Operating expense is growing at a 3.7% annual rate.



	07	08	09	10	11	12	13	14	15 e/a	16 Budget
Admin	\$1.2	\$1.3	\$1.5	\$1.5	\$1.5	\$1.3	\$1.4	\$1.2	\$1.6	\$2.3
O&M	\$6.4	\$7.1	\$8.0	\$8.3	\$8.1	\$8.0	\$8.3	\$8.8	\$8.8	\$9.6
Purch Wtr	\$4.5	\$3.7	\$3.7	\$3.4	\$3.8	\$5.0	\$5.1	\$5.7	\$4.6	\$4.7
<b>Total</b>	<b>\$12.0</b>	<b>\$12.2</b>	<b>\$13.2</b>	<b>\$13.3</b>	<b>\$13.4</b>	<b>\$14.3</b>	<b>\$14.8</b>	<b>\$15.7</b>	<b>\$15.0</b>	<b>\$16.6</b>

Fiscal Year

**North Marin Water District**  
**Memberships/Certifications**

4/24/15

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Sorted by Organization & Dept

	Organization	Employee	Dept	Last Renewed	Renewal Period	Last Paid	FY16 Budget
1	ADTS Drug Testing Program	Arendell	41	12/24/14	1/15-12/15	\$912	\$940
2	Alliance for Water Efficiency	Grisso	21	7/3/14	7/14-6/15	\$500	\$520
3	American Water Works Association	DeGabriele*	10	11/20/14	1/15-12/15	\$3,661	\$3,770
4	American Water Works Association	Chandrasekera	21	7/31/14	8/14-7/15	\$238	\$250
5	Assoc of State Dam Safety Officials	McIntyre	21	1/15/15	10/14-9/15	\$50	\$50
6	Association of CA Water Agencies	DeGabriele	10	1/29/15	1/15-12/15	\$16,835	\$17,340
7	AWWA - Backflow Assembly Tester	Kurfirst	51	2/19/15	10/15-9/18	\$180	\$0
8	AWWA - Cross Connection Control Spec	Kurfirst	51	2/19/15	5/15-4/17	\$80	\$0
9	AWWA - G1-WQ Analyst	Bena	61	10/16/14	5/15-5/17	\$55	\$0
10	AWWA - G3-WQ Analyst	Lucchesi	61	1/3/13	6/13-6/15	\$55	\$0
11	AWWA - G3-WQ Analyst	Ramudo	61	3/31/06	3/08-3/10	\$46	\$120
12	AWWA - G3-WQ Analyst	Reischmann	61	10/9/14	9/14-9/17	\$55	\$0
13	AWWA - G4-WQ Analyst	Goodpaster	61		9/13-9/15	\$80	\$80
14	AWWA Water Conservation Practitioner	Grisso	21	12/5/12	1/13-12/14	\$70	\$70
15	Bay Area Water Works Association	Chandrasekera	21	7/5/12	1/12-12/12	\$20	\$0
16	Bay Area Water Works Association	McIntyre	21	1/17/13	1/13-12/13	\$20	\$20
17	Bay Area Water Works Association	Ramudo	61	12/21/11	1/12-12/12	\$60	\$60
18	Baywork (FBO San Jose Water)	Landeros	11	7/31/14	7/14-6/15	\$695	\$760
19	Board of Prof Engineers & Surveyors	DeGabriele	10	8/8/14	7/14-6/16	\$115	\$0
20	Board of Prof Engineers & Surveyors	Chandrasekera	21	9/11/14	10/14-9/15	\$115	\$120
21	Board of Prof Engineers & Surveyors	Jackson	21	2/14/14	4/14-3/16	\$125	\$130
22	Board of Prof Engineers & Surveyors	McIntyre	21	3/21/13	4/13-3/15	\$115	\$0
23	CA Urban Water Conservation Council	Grisso	21	3/6/14	1/15-12/15	\$3,219	\$3,320
24	CWEA - Membership	Bena	61	9/18/14	10/14-9/15	\$156	\$160
25	CWEA - Collection System Maintenance Grade 2	Kane	11	7/24/14	7/14-7/15	\$240	\$250
26	CWEA - Membership	Kane	11				\$150
27	CWEA - Membership	Reischmann	61	7/24/14	7/14-7/15	\$148	\$150
28	Contractor's State License Board	Arendell	41	3/13/14	3/14-3/16	\$675	\$700
29	Costco Wholesale Membership	DeGabriele	10	12/24/14	1/15-12/15	\$110	\$110
30	CWEA-Laboratory Analyst Grade 1	Bena	61	2/19/15	4/15-3/16	\$79	\$80
31	CWEA-Laboratory Analyst Grade 2	Reischmann	61	12/18/14	1/15-12/15	\$84	\$90
32	Dept Pesticide Reg-Qualified Applicator License	Stafford	31	9/21/11	1/14-12/15	\$60	\$60
33	Dept Pesticide Reg-Qualified Applicator License	Cilia	51	11/13/14	1/15-12/16	\$60	\$0
34	DHS - Distrib Op Certification I	Roberto	12	5/8/14	5/14-5/17	\$70	\$70
35	DHS - Distrib Op Certification I	Breit	41	3/14/13	5/14-5/17	\$0	\$0
36	DHS - Distrib Op Certification I	Corda, Joe	41	3/7/13	8/13-8/16	\$70	\$70
37	DHS - Distrib Op Certification I	Kehoe, C	41	5/30/12	10/13-11/15	\$70	\$70
38	DHS - Distrib Op Certification I	Lemos, James	41				\$70
39	DHS - Distrib Op Certification I	Ochoa	41				\$70
40	DHS - Distrib Op Certification I	Ortiz	41	4/25/13	8/13-8/16	\$70	\$70
41	DHS - Distrib Op Certification I	Rupp	41	12/15/10	5/14-5/17	\$70	\$0
42	DHS - Distrib Op Certification I	Sjoblom	41	2/7/13	8/13-8/16	\$70	\$70
43	DHS - Distrib Op Certification I	Baccei	51	3/31/10	8/13-8/16	\$0	\$60
44	DHS - Distrib Op Certification I	Cilia	51	3/31/10	9/14-8/16	\$70	\$60
45	DHS - Distrib Op Certification III	Jennison	31	12/31/12	8/14-8/17	\$60	\$0
46	DHS - Distrib Op Certification II	Castellucci	41	5/8/14	5/14-5/17	\$80	\$0
47	DHS - Distrib Op Certification II	Corda, Joe	41			\$0	\$80
48	DHS - Distrib Op Certification II	Kane	11	2/20/14	7/14-7/17	\$80	\$0
49	DHS - Distrib Op Certification II	Kehoe, C	41	11/1/12	11/13-11/15	\$80	\$80
50	DHS - Distrib Op Certification II	Kurfirst	51	1/24/13	6/13-6/16	\$80	\$60
51	DHS - Distrib Op Certification II	Latanyshyn	51	9/4/14	2/15-2/18	\$80	\$0
52	DHS - Distrib Op Certification II	LeBrun	51				\$60
53	DHS - Distrib Op Certification II	Bena	61	3/9/14	3/14-2/17	\$80	\$0
54	DHS - Distrib Op Certification II	Goodpaster	61	11/27/10	4/14-4/17	\$80	\$0
55	DHS - Distrib Op Certification II	Lucchesi	61	3/26/15	10/15-10/17	\$60	\$0
56	DHS - Distrib Op Certification II	Ramudo	61	3/28/13	9/13-8/15	\$180	\$60
57	DHS - Distrib Op Certification II	Reischmann	61	4/18/12	10/13-10/15	\$60	\$60
58	DHS - Distrib Op Certification III	Garrett	31	2/27/14	8/14-8/17	\$90	\$0
59	DHS - Distrib Op Certification III	Clark	51	7/11/12	12/13-12/15	\$90	\$60

**North Marin Water District**  
**Memberships/Certifications**  
Sorted by Organization & Dept

4/24/15

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	Organization	Employee	Dept	Last Renewed	Renewal Period	Last Paid	FY16 Budget
60	DHS - Distrib Op Certification III	Lemos	51	3/14/13	6/13-6/16	\$170	\$60
61	DHS - Distrib Op Certification IV	Corda, Jeff	31	10/13/10	11/13-11/16	\$90	\$0
62	DHS - Distrib Op Certification III	Arendell	41	12/11/14	1/15-1/18	\$120	\$120
63	DHS - Distrib Op Certification III	Reed	41	2/1/12	7/14-7/17	\$80	\$0
64	DHS - Distrib Op Certification V	Stompe	31	11/15/12	3/13-3/16	\$105	\$110
65	DHS - Treatment Operator Certif III	Garrett	31	2/27/14	12/13-12/16	\$120	\$0
66	DHS - Treatment Operator Certif II	Reed	41	1/2/14	9/16-1/17	\$60	\$60
67	DHS - Treatment Operator Certif II	Clark	51	2/19/15	3/15-7/16	\$60	\$60
68	DHS - Treatment Operator Certif II	Lucchesi	61	4/10/14	2/15-2/18	\$60	\$0
69	DHS - Treatment Operator Certif II	Reischmann	61	4/17/14	9/14-9/17	\$60	\$0
70	DHS - Treatment Operator Certif III	Corda, Jeff	31	6/27/13	11/13-11/16	\$90	\$0
71	DHS - Treatment Operator Certif IV	Jennison	31	12/19/13	6/14-6/17	\$105	\$0
72	DHS - Treatment Operator Certif IV	Stafford	31	10/31/13	5/14-5/17	\$140	\$0
73	DHS - Treatment Operator Certif IV	Stompe	31	8/26/14	10/14-2/16	\$104	\$110
74	GFOA - Financial Stmt Review	Landeros	11	11/20/14	7/13-7/14	\$435	\$450
75	GFOA - Membership	Landeros	11	8/21/14	9/14-8/15	\$160	\$160
76	HCC-Contractor's Bond	Arendell	41	2/19/15	3/15-5/17	\$575	\$0
77	Irrigation Association	Grisso	21	12/11/14	1/15-12/15	\$100	\$100
78	LAFCO (Co of Marin)	DeGabriele	10	7/10/14	7/14-6/15	\$8,869	\$9,910
79	National Fire Protection Assoc	McIntyre	21	1/22/15	2/15-1/16	\$165	\$170
80	National Notary Association (Dues)	Young	11	4/10/14	9/14-8/15	\$59	\$60
81	National Notary Association (Dues)	Kehoe	21	6/15/11	9/11-1/16	\$129	\$135
82	National Notary Association (Ins)	Young	11	11/6/14	2/15-2/18	\$78	\$0
83	National Notary Association (Ins)	Kehoe	21	8/1/13	1/14-1/18	\$98	\$0
84	National Safety Council	Clark	51	7/3/14	8/14-7/15	\$395	\$410
85	NACE - Natl Assoc Corrosion Engineers	Jackson	21	4/30/14	4/14-4/15	\$130	\$130
86	NACE - Natl Assoc Corrosion Engineers	Latanyszyn	51	4/16/08	7/08-6/09	\$130	\$0
87	No American Lake Management Soc	Stompe	31	3/6/14	3/14-2/15	\$110	\$110
88	North Bay Watershed Association	DeGabriele	10	9/4/14	7/14-6/15	\$6,126	\$6,310
89	Novato Chamber of Commerce	Bentley	11	11/6/14	11/14-10/15	\$830	\$850
90	Novato Heights Property Owners	DeGabriele	10	3/27/14	1/14-12/14	\$150	\$150
91	Rotary - Novato Sunrise	McIntyre	21	8/28/14	7/14-6/15	\$178	\$180
92	Rotary - Point Reyes Station	Clark	51	9/18/14	7/14-6/15	\$130	\$130
93	Rotary Club of Novato	DeGabriele	10	7/31/14	7/14-6/15	\$175	\$180
94	Society for HR Management (SHRM)	Landeros	11	8/21/14	9/14-8/15	\$185	\$190
95	Soroptimist	Young	11	7/3/14	7/14-6/15	\$175	\$180
96	Special District Leadership Foundation	DeGabriele	10	1/28/09	1/09-6/16	\$50	\$0
97	Steel Structures Painting Council	McIntyre	21	9/11/14	7/14-6/15	\$95	\$100
98	SWRCB - Wastewater TP Op II	Stafford	31	11/27/13	1/14-12/15	\$230	\$150
99	Tomas Bay Watershed Council	Clark	31	2/8/12	1/12-12/12	\$1,000	\$1,000
100	Underground Service Alert - Membership	Arendell	41	8/14/14	7/14-6/15	\$884	\$910
101	USC Foundation-Cross Connect Control	Clark	51	12/24/14	1/15-12/15	\$500	\$520
102	Water Education Foundation	DeGabriele	10	12/24/14	1/15-12/15	\$140	\$140
103	Wine Country Water Works Assoc.	Garrett	31	6/20/12	1/12-12/12	\$25	\$25
104	Wine Country Water Works Assoc.	Jennison	31	6/20/12	1/12-12/12	\$20	\$25
105	Wine Country Water Works Assoc.	Stafford	31	6/13/13	7/13-6/14	\$45	\$25
106	Wine Country Water Works Assoc.	Arendell	41	6/13/13	7/13-6/14	\$45	\$0
107	Wine Country Water Works Assoc.	Castellucci	41				\$25
108	Wine Country Water Works Assoc.	Corda, Joe	41				\$25
109	Wine Country Water Works Assoc.	Kehoe, Chris	41				\$25
110	Wine Country Water Works Assoc.	Reed	41				\$25
111	Wine Country Water Works Assoc.	Latanyszyn	51	6/13/13	7/13-6/14	\$45	\$25
112	Wine Country Water Works Assoc.	Lemos	51	6/13/13	7/13-6/14	\$45	\$25
113	Wine Country Water Works Assoc.	Reischmann	61	12/4/12	1/13-12/13	\$25	\$25

\* Membership allows GM + 4 emps - DeGabriele, Clark, Ramudo, McIntyre & Stompe are enrolled

\$54,398 \$53,765

**North Marin Water District**  
**Memberships/Certifications**  
Sorted by Organization & Dept

4/24/15

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	Organization	Employee	Dept	Last Renewed	Renewal Period	Last Paid	FY16 Budget
<b>Periodical Subscriptions</b>							
1	LexisNexis (Government Codes)	DeGabriele	10	1/29/15	1/15-12/15	\$926	\$950
2	Marin Independent Journal	DeGabriele	10	9/4/14	9/14-8/15	\$281	\$290
3	Marinscope (Advance)	DeGabriele	10	12/18/14	9/14-8/15	\$49	\$50
4	Point Reyes Light	DeGabriele	10	12/18/14	12/14-12/16	\$119	\$120
5	West Marin Citizen	DeGabriele	10	8/14/14	8/14-7/15	\$64	\$0
6	AICPA Journal of Accountancy	Bentley	11	8/28/14	9/14-8/15	\$69	\$70
7	Personnel Concepts (Lbr Law Posters)	Bentley	11	7/3/14	7/14-6/15	\$247	\$250
8	Engineering News Record (ENR)	McIntyre	21	10/30/14	2/15-2/16	\$69	\$70
9	The Climate Registry	Clark	51	12/24/14	1/15-12/15	\$750	\$770
10	Cal/OSHA Compliance Advisor	Clark	51	8/28/14	9/14-8/15	\$299	\$350
						\$2,873	\$2,920

**Software Subscriptions/Maint Agreements**

1	Parkinson (Hightower/SWK)	Bentley	11	8/1/14	7/14-6/15	\$800	\$800
2	Parkinson (DCD)	Bentley	11	8/1/14	7/14-6/15	\$0	\$350
3	Parkinson (SAGE100)	Bentley	11	8/1/14	7/14-6/15	\$4,371	\$5,600
4	Parkinson (Custom)	Bentley	11				\$4,600
5	Parkinson (Fixed Assets)	Bentley	11	7/17/14	7/14-6/15	\$662	\$1,200
6	Sage Software (HR ABRA Network)	Bentley	11	7/17/14	7/14-6/15	\$809	\$1,700
7	iPrism Web Filter (Trebron Co)	Bentley	11	7/25/13	7/13-6/14	\$1,316	\$1,500
9	CDW Govt Trend Anti-Virus Software	Bentley	11	1/29/15	11/14-10/15	\$1,080	\$1,080
10	Verizon Reverse 911 Database	Bentley	12	monthly	Mo to Mo	\$340	\$0
11	Itron MVRs (Meter reading device hardware)	Bentley	12	1/7/15	1/15-12/15	\$1,475	\$1,520
12	Parcel Quest	McIntyre	21	7/3/14	7/14-6/15	\$754	\$780
13	Open Spacial GIS Software Suite	McIntyre	21				\$9,000
14	DLT Solutions - AutoCAD Licenses	McIntyre	21	12/11/14	1/15-12/15	\$2,889	\$2,980
15	E&M - Wonderware - Distrib SCADA	Clark	31	3/27/14	3/14-2/15	\$7,186	\$7,400
16	Invarion (Traffic Control Plan Prog)	Arendell	41	5/16/13	6/13-6/14	\$375	\$0
17	Alldata (Fleet Maint Software)	Clark	51	4/24/14	6/7/14-6/7/15	\$1,500	\$1,550
18	AWWA - Target Solutions (Training/Certification Tracking)	Bentley	12	2/6/15	1/15-12/15	\$179	\$180
19	AWWA - Target Solutions (Training/Certification Tracking)	Clark	31	2/6/15	1/15-12/15	\$895	\$920
20	AWWA - Target Solutions (Training/Certification Tracking)	Arendell	41	2/6/15	1/15-12/15	\$2,148	\$2,210
21	AWWA - Target Solutions (Training/Certification Tracking)	Clark	51	2/6/15	1/15-12/15	\$1,253	\$1,290
22	AWWA - Target Solutions (Training/Certification Tracking)	Clark	61	2/6/15	1/15-12/15	\$895	\$920
23	Accelerated Tech (LIMS)	Clark	61	10/30/14	8/14-7/15	\$6,547	\$6,700
24	Standard Methods	Ramudo	61	10/30/14	9/14-8/15	\$295	\$0.00
						\$35,769	\$52,280
						\$93,040	\$108,965

**Dues & Subscriptions Expense Distribution**

Dues & Subscriptions	56402-01-10	10	\$37,670	\$39,320
Dues & Subscriptions	56402-01-11	11	\$3,253	\$3,370
Dues & Subscriptions	56402-01-12	12	\$70	\$70
Dues & Subscriptions	56402-01-21	21	\$5,436	\$5,365
Dues & Subscriptions	56402-01-31	31	\$2,394	\$1,615
Dues & Subscriptions	56402-01-41	41	\$3,861	\$3,410
Dues & Subscriptions	56402-01-51	51	\$3,164	\$2,650
Dues & Subscriptions	56402-01-61	61	\$1,423	\$885
			\$57,271	\$56,685

**Software Subscription Expense Distribution**

Admin Equip	56701-01-11	11	\$9,038	\$16,830
Cons Svcs Equipment	55601-01-12	12	\$1,994	\$1,700
Maps & Records	54004-01-21	21	\$3,643	\$12,760
Maint Telemetry Equip	52502-01-31	31	\$8,081	\$8,320
Maint of Mains	54511-01-41	41	\$2,523	\$2,210
Maintenance Exp	52406-01-51	51	\$2,753	\$2,840
WQ Exp	53702-01-61	61	\$7,737	\$7,620
			\$35,769	\$52,280
			\$93,040	\$108,965

9



## MEMORANDUM

To: Board of Directors  
From: David L. Bentley, Auditor-Controller  
Subj: Initial Review – FY 2015/16 Novato Recycled Water System Budget  
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May 1, 2015

**RECOMMENDED ACTION:** Information Only – Initial Review  
**FINANCIAL IMPACT:** \$5 Million FY16 Expenditure Plan

The FY 2015/16 (FY16) Recycled Water System (RWS) budget projects demand of 147MG next fiscal year (see chart of historical water use attached), a increase of 7MG over the current year estimated actual. Additional demand from Lanham Village and Hamilton Park is anticipated as we work with those homeowner associations to retrofit their irrigation systems and expand recycled water use. Consistent with the potable water rate increase, a 4% commodity rate increase is proposed to be effective June 1, 2015. The proposed increase is projected to generate \$28,000 in additional revenue next fiscal year.

Operating expenses (excluding depreciation) are budgeted to increase 6% (\$22,000) from the existing FY15 budget. The FY16 budget projects purchase of 93.5MG (\$140,000) of tertiary treated water from Novato Sanitary District and 53.5MG (\$80,000) from Las Gallinas Valley Sanitary District at \$1,400/MG. The Deer Island Plant is not budgeted to produce water, but will continue to serve as a backup facility.

The \$11 million project to expand recycled water distribution facilities to central Novato will commence next fiscal year, with \$3.5 million anticipated to be expended over the 12-month period. The District is applying for 1% State Revolving fund loan monies to construct the facilities.

The RWS is budgeted to receive \$717,000 in Connection Fee monies from the Novato potable water system in FY16 to pay for the expansion loan debt service and to cover the \$80,000 cost of the NBWRA's grant administration. With the Connection Fee monies, the proposed budget projects a cash surplus next fiscal year of \$276,000.

As with the Novato budget, staff will continue to fine-tune the RWS budget, and return it for further review at the May 19 meeting.

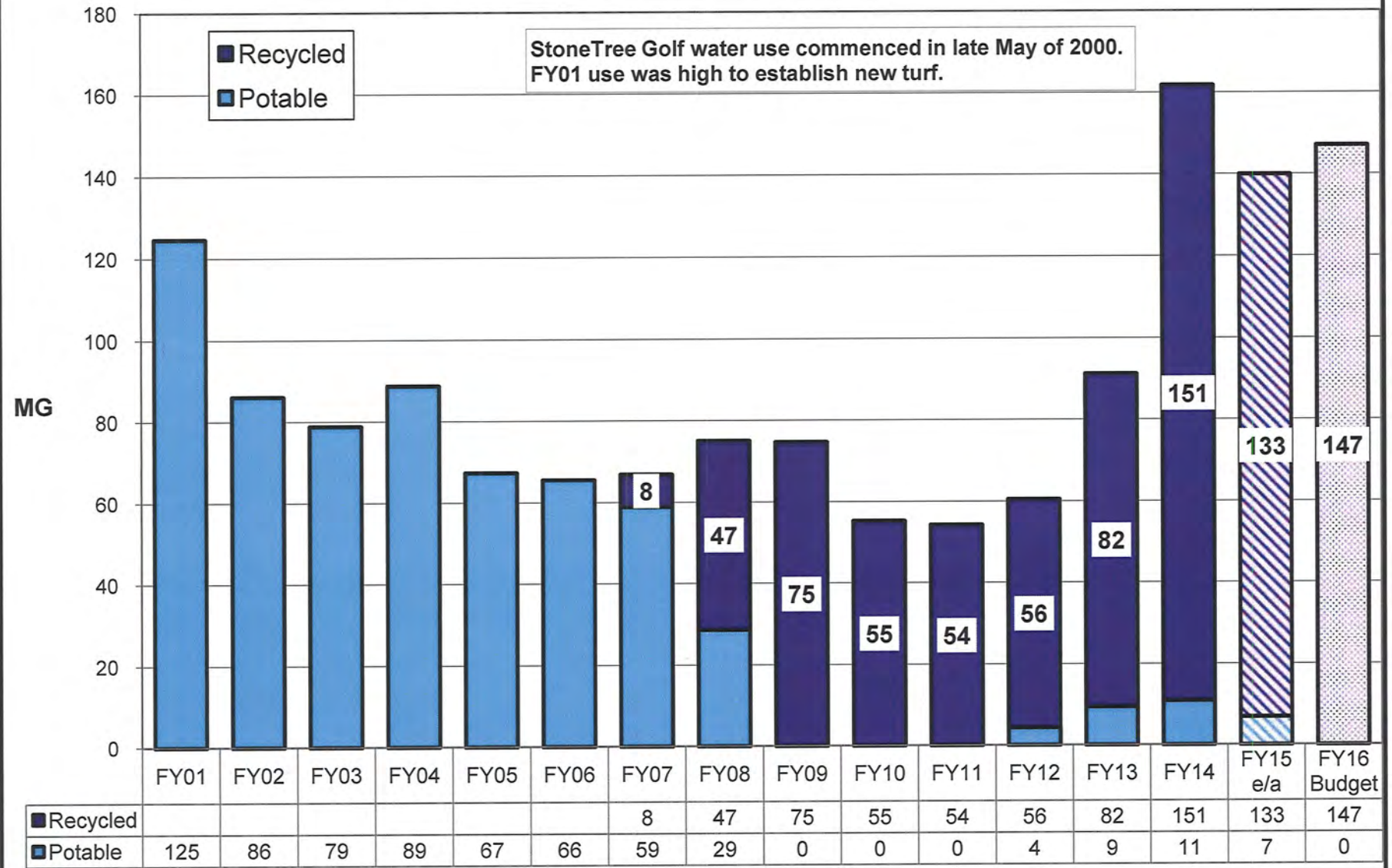
**NOVATO RECYCLED WATER**  
**BUDGET SUMMARY**  
**Fiscal Year 2015/16**

	<b>Proposed Budget 2015/16</b>	<b>Estimated Actual 2014/15</b>	<b>Adopted Budget 2014/15</b>
<b># BASIC DATA</b>			
1 Active Meters	<b>44</b>	44	47
2 Average Commodity rate	<b>\$4.92</b>	\$4.73	\$4.73
3 Consumption (MG)	<b>147</b>	140	145
<b>OPERATING INCOME</b>			
4 Recycled Water Sales	<b>\$723,000</b>	\$662,000	\$686,000
5 Bimonthly Service Charge	<b>28,000</b>	\$27,000	28,000
6 <b>Total Operating Income</b>	<b>\$751,000</b>	\$689,000	\$714,000
<b>OPERATING EXPENDITURES</b>			
7 Purchased Water - NSD	<b>\$126,000</b>	\$86,000	\$126,000
8 Purchased Water - LGVSD	<b>77,000</b>	82,000	77,000
9 Pumping	<b>8,000</b>	5,000	7,000
10 Operations	<b>40,000</b>	68,000	39,000
11 Water Treatment	<b>21,000</b>	5,000	20,000
12 Transmission & Distribution	<b>32,000</b>	44,000	30,000
13 Consumer Accounting	<b>1,000</b>	1,000	1,000
14 General Administration	<b>62,000</b>	41,000	45,000
15 Depreciation	<b>472,000</b>	472,000	428,000
16 <b>Total Operating Expenditures</b>	<b>\$839,000</b>	\$804,000	\$773,000
17 <b>NET OPERATING INCOME (LOSS)</b>	<b>(\$88,000)</b>	(\$115,000)	(\$59,000)
<b>NON-OPERATING INCOME/(EXPENSE)</b>			
18 Interest Revenue	<b>\$10,000</b>	\$4,000	\$4,000
19 Stone Tree Golf Interest Payments	<b>44,000</b>	49,000	49,000
20 Deer Island SRF Loan Interest Expense	<b>(68,000)</b>	(73,000)	(73,000)
21 Distrib System SRF Loans Interest Exp	<b>(212,000)</b>	(215,000)	(216,000)
22 Engr Report & Conjunctive Use Study	<b>(18,000)</b>	0	(8,000)
23 <b>Total Non-Operating Income/(Expense)</b>	<b>(\$244,000)</b>	(\$235,000)	(\$244,000)
24 <b>NET INCOME/(LOSS)</b>	<b>(\$332,000)</b>	(\$350,000)	(\$303,000)
<b>OTHER SOURCES/(USES) OF FUNDS</b>			
25 Add Depreciation Expense	<b>\$472,000</b>	\$472,000	\$428,000
26 Fed Grant/SRF Loan - Central Expansior	<b>3,500,000</b>	0	0
27 Connection Fees Transferred from Novat	<b>717,000</b>	816,000	737,000
28 Stone Tree Golf Principal Repayment	<b>206,000</b>	201,000	201,000
29 Capital Improvement Projects	<b>(3,680,000)</b>	(217,000)	(125,000)
30 Deer Island SRF Loan Principal Payment	<b>(205,000)</b>	(200,000)	(200,000)
31 Distrib System SRF Loan Principal Pmts	<b>(402,000)</b>	(398,000)	(398,000)
32 <b>Total Other Souces/(Uses)</b>	<b>\$608,000</b>	\$674,000	\$643,000
33 <b>CASH INCREASE/(DECREASE)</b>	<b>\$276,000</b>	\$324,000	\$340,000

4/28/15

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## Recycled Water Use History





**Proposed Capital Improvement Projects**

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		FY15 Budget	FY15 Est Actual	FY16	FY17	FY18	FY19	FY20
<b>5. RECYCLED WATER</b>								
5.7127.00	a. NBWRA Grant Program Administration	\$100,000	\$80,000	\$80,000	\$80,000	\$80,000		
	b. Expansion to Central Area (Note 4)		\$100,000	\$3,500,000	\$7,500,000			
5.7155.00	c. Deer Island Wet Well Drain	\$25,000	\$19,000					
	d. Other Recycled Water Expenditures		\$18,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
		\$125,000	\$217,000	\$3,680,000	\$7,680,000	\$180,000	\$100,000	\$100,000

Note 4 - RW Central Expansion funded by \$2.25M from Marin Country Club with balance from Fed/State Grants & SRF loans with debt service paid from Novato potable water FRC funds.

10

## MEMORANDUM

To: Board of Directors

May 1, 2015

From: Ryan Grisso, Water Conservation Coordinator *RG*

Subject: Quarterly Progress Report - Water Conservation (July-March 2014/2015)

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**RECOMMENDED ACTION:** Information**FINANCIAL IMPACT:** NoneWater Conservation:

This memo provides an update on all water conservation and public outreach activities implemented during the first three quarters of Fiscal Year 2014/2015 (FY 15). Water Conservation participation numbers for the first three quarters of the current and previous two fiscal years are summarized in Table 1 below.

**Table 1: Water Conservation Program Participation (July through March)**

Program	FY15	FY14	FY13
Water Smart Home Surveys	238	302	114
Water Smart Commercial Surveys	7	3	1
High Efficiency Toilet Rebates (Residential)	211	249	196
High Efficiency Toilet Rebates (Commercial)	9	1	0
Retrofit on Resale (Dwellings Certified)	197	215	242
High Efficiency Washing Machine Rebates	111	250	195
Cash for Grass Rebates	96 <sup>1</sup>	33	25
Water Smart Landscape Rebates	3	6	2
Smart Irrigation Controller Rebates (Residential)	2	2	0
Smart Irrigation Controller Replacement (Commercial)	2	14	9
New Development Sign-offs (Residential)	25	15	75
New Development Sign-offs (Commercial)	15	7	16
Large Landscape Audits (measured by number of meters)	0	0	6
Large Landscape Budgets (measured by number of accounts)	437	437	435

(1) Cash for Grass participants removed 58,651 square feet of turf (vs. 18,230 in FY 2014).

Water Conservation program participation has remained fairly steady this year compared to the last two fiscal years, with significant gains in the Cash for Grass Rebate Program. The drought coverage including media reports and District generated newsletters along with additional public outreach has helped to increase program participation this year. Cash for Grass participation numbers are expected to continue to increase into the next fiscal year.

The District Prop 84 Grant (\$183,750 allocated to the District), in cooperation with the Sonoma County Water Agency (SCWA) and other Bay Area Agencies, has helped to fund HET rebates, Cash for Grass rebates, Smart Controllers, Clothes Washer rebates, and a Commercial Direct Install HET Program. The District has received reimbursement for \$117,511 to date.

#### Public Outreach and Conservation Marketing

In the first three quarters of FY15, the District distributed the Fall 2014 "Water Line" to West Marin thanking the customers for their water use reduction efforts, and the Winter bill insert which focused on water conservation program marketing to all customers. The District has made regular updates to the website and Facebook pages, focusing on the drought and available water conservation programs. The District has also worked with the Sonoma Marin Saving Water Partnership (SMSWP) to implement the Drought 2014 Campaign ("There's a Drought On. Turn the Water Off") through the end of calendar year 2014. The SMSWP is working on a new series of drought campaign advertisements for 2015 which should be ready in May 2015.

#### Budget


Table 2 summarizes the first three quarter expenditures between the three fiscal years for (July-March). FY15 expenditures are higher due to the increase in Cash for Grass program participation. Expenditures are expected to increase even further in the fourth quarter.

**Table 2: Water Conservation and Public Outreach Expenditures (July-March)**

	FY15	FY14	FY13
Total Budget	445,000	\$400,000	\$400,000
July-March Expenditures	273,318	\$260,193	\$184,904

11

## MEMORANDUM

To: Board of Directors  
 From: Drew McIntyre, Chief Engineer   
 Subject: Third Quarter Progress Report – Engineering Department  
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Date: May 1, 2015

The purpose of this memo is to provide a third quarter status report to the Board on the District's performance in completing budgeted FY14-15 Capital Improvements Projects (CIP). The following information is being provided to supplement the progress report summary provided to the Board each month.

SUMMARY

<u>Service Areas</u>	<u>Project Costs (\$)</u>		<u>% Complete</u>		<u>Earned Value (\$)</u>	
	Budget (\$)	Forecast (\$)	Planned	Actual	Planned	Actual
Novato Water	17,510,000	14,193,000	70	50	12,846,500	10,512,190
Novato Recycled	125,000	274,500	65	62	92,250	165,650
West Marin	1,669,000	1,451,000	91	64	1,576,500	1,367,750
TOTAL	19,179,000	15,918,500	75	59	14,515,250	12,034,590

The above table summarizes the detailed tabulation of CIPs for Novato Water, Recycled Water, and West Marin (including Oceana Marin) systems provided in Attachment A. In summary, with the exception of Novato Recycled Water, CIP expenditures for both Novato and West Marin service areas will not exceed approved FY14-15 budget levels. For the Novato Water system, the above tabulation shows that CIP expenditures are forecast to be \$14,193,000 (81% of the approved budget, versus a forecast of 45% at this time last year). Actual performance for the Novato Water system (i.e., 50%) is trailing planned performance for project completion (i.e., 70%). For the Novato Recycled Water system, the above tabulation shows that CIP expenditures are forecast to be \$274,500 (~\$150,000 above the approved budget). Actual performance for the Novato Recycled Water system is slightly below (i.e. 62%) versus planned performance for project completion (i.e., 65%). With respect to West Marin (including Oceana Marin), year-end CIP expenditures of \$1,451,000 are forecast to be below (i.e., 87%) the approved FY14-15 budget value (versus a forecast of 71% at this time last year). Planned performance through the third quarter for West Marin was projected to be 91% and actual completion performance is at 64%. Overall, for the Novato Water, Novato Recycled Water and West Marin water systems, actual performance is below (i.e., 59%) planned performance (i.e., 75%).

Novato Service Area Project Costs Variances

As shown in Attachment A, two of the FY14-15 Novato Water CIPs are currently projected to exceed the original budget (i.e., STP 18" Transmission Line Assess/Repair and Facilities Security Enhancements). A detailed milestone schedule update is provided in Attachment B. It is important to note that the FY13-14 "Carry-Over" projects: (1) Grant/5<sup>th</sup> 1" Galvanized Steel, (2) Ashley Ct 2"

Thinwall Plastic, (3) PB Replacement – Atherton Oaks/Summit Lane, (4) SMART Crossing Upgrade – Golden Gate, (5) SMART Crossing Upgrade – Roblar Rd and (6) SMART Crossing Upgrade – Hanna Ranch represent a combined addition of \$392,000 to the current Novato CIP budget. However, due to delayed expenditures with the AEEP/MSN Project, there are sufficient funds to offset the “carry-over” project costs.

Three new projects have been added to date, PB Replacement: City Measure A, Group 7 (4 services), Stafford Dam Concrete Spillway Repair Plan and San Marin Pump Station – Pump Barrel Leak Repair for \$93,000 and two projects have been deferred (Admin Office/Lab/Yard Remodel Plan and Office HVAC) and one project has been dropped (PB Replacement – Pacheco Valle (42)).

#### Novato Recycled Water Service Area Project Costs Variances

As shown in Attachment A, expenses for all of the three FY14-15 Novato Recycled Water CIPs are currently projected to be within original budget. The two FY13-14 “carry-over” projects: (1) Recycled Water South Service Area and (2) Recycled Water Central Service Area represent a combined addition of \$177,000. To address a projected \$150,000 FY14-15 Recycled Water budget shortfall the Board approved a budget augmentation at the April 7, 2015 meeting. No new recycled water projects have been added during the third quarter.

#### West Marin Service Area (including Oceana Marin) Project Costs Variances

All of the FY14-15 West Marin CIPs are currently projected to be within the original budget. Three projects were carried over from FY13-14: Treatment Plant Solids Handling, Gallagher Stream Gauge, and SCADA RTU Upgrade and Install. No new projects have been added and the Abandon Downey Well project has been dropped.

#### Engineering Department Labor Hours

The Engineering Department provides a multitude of functions supporting overall operation, maintenance and expansion of water facilities. The major work classifications are: (1) General Engineering, (2) Developer Projects and (3) District (i.e., CIP) Projects. Out of the approximately 14,900 engineering labor hours available annually (less Conservation), the FY14-15 labor budget for Developer Projects and District Projects is 1,480 (10% of total) and 3,546 (24% of total), respectively. A chart of actual hours expended versus budgeted hours for both Developer and District projects during FY14-15 is provided in Attachment C. At the end of the third quarter, actual engineering labor hours expended for Developer work was 24% (349 hours) versus 75% (1,110 hours) budgeted. With respect to District Projects, 3,641 engineering labor hours (103% of budget) have been expended on Capital Improvement Projects when compared against a third quarter estimate of 2,660 hours (75% of budget). The higher burn rate for labor hours on CIPs is primarily due to advance work on the Recycled Water Central Service Area Expansion project.

NOVATO SYSTEM CAPITAL IMPROVEMENT PROJECTS SUMMARY FY14-15										
AS OF MARCH 31, 2015										
STATUS	DEPT	ITEM #	PROJECT NO.	DESCRIPTION	PROJECT COSTS		% COMPLETE		EARNED VALUE	
					Budget	Forecast	Baseline	Actual	Planned	Actual
				1. PIPELINE REPLACEMENTS/ADDITIONS						
PC	Eng	1	1.a.1	So. Novato Blvd - Rowland to Sunset (12"Cl@1,000')	\$350,000	\$50,000	75	20	\$262,500	\$10,000
C	Eng	2	1.a.2	STP 18" Transmission Line Assess/Repair	\$130,000	\$199,000	100	99	\$130,000	\$197,010
C	Eng	3	1.a.3	Shields Ln 6" Cast Iron (6"@1,120')	\$105,000	\$105,000	100	100	\$105,000	\$105,000
TBC		4	1.a.4	<Grant/5th 1" Galvanized Steel (6" @ 400')>	\$0	\$60,000	70	70	\$0	\$42,000
PC	Eng	5	1.a.5	<Ashley Ct 2" Thinwall Plastic (6" @ 200')>	\$0	\$40,000	0	0	\$0	\$0
PC	Eng	6	1.b.1	Zone A Pressure Improvements	\$200,000	\$75,000	75	20	\$150,000	\$15,000
PC	Eng	7	1.b.2	San Mateo 24" Inlet/Outlet - Planning	\$30,000	\$30,000	75	75	\$22,500	\$22,500
			1.c.1	PB Repl - Pacheco Valle (42) - DROP	\$125,000	\$0	0	0	\$0	\$0
TBC	Eng	8	1.c.2	<PB Repl: Atherton Oaks / Summit Ln (14 servs)>	\$0	\$40,000	80	80	\$0	\$32,000
			3.c.3	Repl PB in Sync w/City Paving	\$90,000	\$0	0	0	\$0	\$0
TBC	Eng	9	3.c.4	City Measure A, Group 7 (4 servs)	\$0	\$85,000	10	10	\$0	\$8,500
			1.d.1	Other Relocations	\$80,000	\$0	0	0	\$0	\$0
TBC	Eng	10	1.e.1-11	AEEP - Hwy 101 Widening	\$13,000,000	\$11,000,000	75	75	\$9,750,000	\$8,250,000
				SubTotal	\$14,110,000	\$11,684,000				
				2. SYSTEM IMPROVEMENTS						
C	Maint	11	2.a	RTU Upgrades	\$10,000	\$10,000	100	75	\$10,000	\$7,500
TBC	Eng	12	2.b	DCDA Repair/Replace	\$150,000	\$100,000	99	100	\$148,500	\$100,000
TBC	Eng	13	2.c	Anode Installations	\$30,000	\$30,000	80	30	\$24,000	\$9,000
TBC	Maint	14	2.d	Radio Telemetry Upgrades	\$25,000	\$25,000	100	75	\$25,000	\$18,750
TBC	Eng	15	2.e	Inaccurate Meter Replacement	\$10,000	\$10,000	75	75	\$7,500	\$7,500
	Maint	16	2.f	Backflow Device Upgrade - BMK (15)	\$30,000	\$0	100	0	\$30,000	\$0
TBC	Maint	17	2.g	Tank Access Hatch/Level Alarms (10)	\$35,000	\$35,000	75	75	\$26,250	\$26,250
PC	Eng	18	2.h	Sampling Stations	\$50,000	\$25,000	75	10	\$37,500	\$2,500
TBC	Maint	19	2.i	Facilities Security Enhancements	\$25,000	\$32,000	66	66	\$16,500	\$21,120
C	Maint	20	2.j	Emergency Generator Connections	\$15,000	\$15,000	75	100	\$11,250	\$15,000
				SubTotal	\$380,000	\$282,000				
				3. BUILDINGS, YARD, & S.T.P. IMPROVEMENTS						
			3.a.1	Admin Office/Lab/Yard Remodel Plan - DEFER	\$50,000	\$0	0	0	\$0	\$0
			3.a.2	Office HVAC - DEFER	\$200,000	\$0	0	0	\$0	\$0
	Maint	21	3.a.3	Office Emergency Generator	\$150,000	\$0	66	0	\$99,000	\$0
	Eng	22	3.b.1	<SMART Crossing Rework @ Golden Gate Pl>	\$0	\$0	0	0	\$0	\$0
C	Eng	23	3.b.2	<SMART Crossing Rework @ Roblar Rd>	\$0	\$44,000	100	100	\$0	\$44,000
C	Eng	24	3.b.3	<SMART Crossing Rework @ Hanna Ranch>	\$0	\$35,000	100	100	\$0	\$35,000
C	Eng	25	3.c.1	Start Up Flushing Connection	\$50,000	\$20,000	100	100	\$50,000	\$20,000
	Maint	26	3.c.2	STP Emergency Power Generator	\$150,000	\$0	75	0	\$112,500	\$0
	Ops	27		<Stafford Lake Water Quality Evaluation>	\$0	\$50,000	0	0	\$0	\$0
TBC	Eng	28	3.c.3	Stafford Dam Concrete Spillway Repair Plan	\$0	\$5,000	50	50	\$0	\$2,500
				SubTotal	\$600,000	\$154,000				
				4. STORAGE TANKS & PUMP STATIONS						
TBC	Eng	29	4.a	Atherton Recoat & Mixing System	\$2,200,000	\$2,000,000	75	75	\$1,650,000	\$1,500,000
PC	Maint	30	4.b	Lynwood PS Motor Control Center	\$90,000	\$45,000	100	40	\$90,000	\$18,000
PC	Eng	31	4.c	Sunset Tank Cl2 Mixing System	\$100,000	\$10,000	66	15	\$66,000	\$1,500
PC	Eng	32	4.d	Crest PS (design/const)/Reloc School Rd PS	\$30,000	\$15,000	75	10	\$22,500	\$1,500
PC	Eng	33	4.e	San Marin Pump Station - Pump Barrel Leak Repair	\$0	\$3,000	2	2	\$0	\$60
				SubTotal	\$2,420,000	\$2,073,000				
				Novato Water Total	17,510,000	\$14,193,000	70	50	\$12,846,500	\$10,512,190
				5. RECYCLED WATER FACILITY						
TBC	Eng	34	5.a	NBWRA Grant Program Administration	\$100,000	\$80,000	75	75	\$75,000	\$60,000
TBC	Eng	35	5.b-d	<Recycled Water South>	\$0	\$15,000	75	75	\$0	\$11,250
TBC	Eng	36	5.e	<Recycled Water Central Service Area>	\$0	\$158,000	50	50	\$0	\$79,000
TBC	Eng	37	5.f	Deer Island Wet Well Drain	\$19,000	\$19,000	75	10	\$14,250	\$1,900
C	Ops	38	5.g	Deer Island SCADA Reporting Move to STP	\$6,000	\$2,500	50	100	\$3,000	\$2,500
				Novato Recycled Total	\$125,000	\$274,500	65	62	\$92,250	\$154,650
				Total Novato	\$17,635,000	\$14,467,500	68	56	\$12,938,750	\$10,666,840
				PROJECT FORECAST REVISED						
1C - Completed				Baseline projects with revised forecast budget increases (indicated by shaded box)						
PC - Partially completed				Baselined projects to be deferred (indicated in strikeout)						
TBC - To be completed				New projects added (indicated in bold)						
				Prior year projects carried over indicated in italics and brackets <>						



WEST MARIN CAPITAL IMPROVEMENT PROJECT SUMMARY FY14-15										
AS OF MARCH 31, 2015										
STATUS	DEPT	ITEM #	PROJECT NO.	DESCRIPTION	PROJECT COSTS		% COMPLETE		EARNED VALUE	
					Budget	Forecast	Baseline	Actual	Planned	Actual
			6. West Marin Water System							
			System Improvements							
TBC	Eng	39	6.a	Olema PS Flood Protection & RTU Upgrade	\$100,000	\$25,000	100	98	\$100,000	\$24,500
C	Maint	40	6.b	Emergency Generator Connections	\$15,000	\$8,000	100	100	\$15,000	\$8,000
C	Eng	41	6.c	Gallagher Well Pipeline	\$1,286,000	\$1,286,000	100	100	\$1,286,000	\$1,286,000
TBC	Maint	42	6.d	THM Spray Systems (3 tanks)	\$10,000	\$10,000	75	75	\$7,500	\$7,500
PC	Eng	43	6.e	Upsize 4" Pipe from Bear Valley Tanks	\$120,000	\$30,000	75	10	\$90,000	\$3,000
TBC	Eng	44	6.f	Replace Pump in Well #2	\$18,000	\$18,000	75	0	\$13,500	\$0
			6.g	Abandon Downey Well - DROP	\$50,000	\$0	0	0	\$0	\$0
C	Eng	45	6.h	<TP Solids Handling>	\$0	\$2,000	100	100	\$0	\$2,000
C	Eng	46	6.k	<Gallagher Stream Gauge>	\$0	\$5,000	100	75	\$0	\$3,750
					\$1,599,000	\$1,384,000				
			7. Oceana Marin Sewer System							
	Ops	47	7.a	Infiltration Study & Repair	\$15,000	\$10,000	66	0	\$9,900	\$0
TBC	Maint	48	7.b	Pond Power Relocation	\$15,000	\$15,000	100	90	\$15,000	\$13,500
TBC	Maint	49	7.c	Disposal Field Fencing Upgrade	\$40,000	\$30,000	99	25	\$39,600	\$7,500
C	Ops	50	7.d	<SCADA RTU Upgrade and Install>	\$0	\$12,000	100	100	\$0	\$12,000
				SubTotal	\$70,000	\$67,000				
				Total West Marin	\$1,669,000	\$1,451,000	91	64	\$1,576,500	\$1,367,750
				FY14-15 TOTAL	\$19,304,000	\$15,918,500	75	59	\$14,515,250	\$12,034,590
1C - Completed										
PC - Partially completed										
TBC - To be completed										
PROJECT FORECAST REVISED										
Baseline projects with revised forecast budget increases (indicated by shaded box)										
Baselined projects to be deferred (indicated in strikeout)										
New projects added (indicated in bold)										
Prior year projects carried over indicated in italics and brackets <>										

# FY14\_15 CAPITAL IMPROVEMENT PROJECTS

ID	Task Name	Start	Finish	% Complete	Resp	Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015		
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	<b>1 A PIPELINE REPLACEMENTS/ADDITIONS</b>	Tue 7/1/14	Tue 6/30/15	62%													
2	1A1 So. Novato Blvd - Rowland to Sunset (12"Cl@1,000')	Tue 7/1/14	Tue 6/30/15	20%	ENG / CC												
3	1A2 STP Trans Line Evaluation (13,200')	Tue 7/1/14	Tue 12/30/14	99%	ENG / DJ												
4	1A3 Shields Ln 6" Cast Iron (6"@1,120')	Tue 7/1/14	Wed 6/3/15	100%	ENG / DJ												
5	<b>1B MAIN/PIPELINE ADDITIONS</b>	Tue 7/1/14	Tue 6/30/15	47%													
6	1B1 Zone A Pressure Improvements	Tue 7/1/14	Tue 6/30/15	20%	ENG / DJ												
7	1B2 San Mateo 24" Inlet/Outlet	Tue 7/1/14	Tue 6/30/15	75%	ENG / DM												
8	<b>1C PB SERVICE LINE REPLACEMENTS</b>	Tue 7/1/14	Tue 6/30/15	0%													
9	1C1 Pacheco Valle (42) DROP	Tue 7/1/14	Tue 6/30/15	0%	ENG / JK												
10	<b>1E AQUEDUCT REPLACEMENTS/ENHANCEMENTS</b>	Tue 7/1/14	Tue 6/30/15	75%													
11	1E1 Aqueduct Energy Efficiency Project	Tue 7/1/14	Tue 6/30/15	75%	ENG / DM												
12	<b>2 SYSTEM IMPROVEMENTS</b>	Tue 7/1/14	Tue 6/30/15	59%													
13	2A RTU Upgrades	Tue 7/1/14	Sun 5/31/15	75%	MAINT/RC												
14	2B DCA Repair/Replace (14/yr)	Tue 7/1/14	Tue 3/31/15	100%	ENG / CC												
15	2C Anode Installations (150/yr)	Fri 8/1/14	Tue 6/30/15	30%	ENG / DJ												
16	2D Radio Telemetry	Wed 10/1/14	Sun 5/31/15	75%	MAINT/RC												
17	2E Inaccurate Meter Replacement	Tue 7/1/14	Tue 6/30/15	75%	ENG / CC												
18	2F Backflow Device Upgrade - BMK (14)	Wed 10/1/14	Tue 6/30/15	0%	MAINT/RC												
19	2G Tank Access Hatch/Level Alarms	Tue 7/1/14	Tue 6/30/15	75%	MAINT/RC												
20	2H Sampling Stations	Tue 7/1/14	Tue 6/30/15	10%	ENG / JM												
21	2I Facilities Security Enhancements	Wed 10/1/14	Tue 6/30/15	66%	MAINT/RC												
22	2J Emergency Generator Connections	Tue 7/1/14	Tue 3/31/15	100%	OPS / RC												
23	<b>3 BUILDING, YARD, STP IMPROVEMENTS</b>	Tue 7/1/14	Tue 6/30/15	16%													
24	<b>3A ADMIN BUILDING</b>	Tue 7/1/14	Tue 6/30/15	0%													
25	3A1 Admin Office/Lab/Yard Remodel Plan - DEFER	Tue 7/1/14	Tue 6/30/15	0%	OPS / RC												



Current

Baseline

Inactive Task

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

Progress

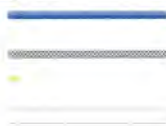


# FY14\_15 CAPITAL IMPROVEMENT PROJECTS

ID	Task Name	Start	Finish	% Complete	Resp	Qtr 1, 2015			Qtr 2, 2015			Qtr 3, 2015			Qtr 4, 2015		
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
26	3A2 Office HVAC - DEFER	Tue 7/1/14	Tue 6/30/15	0%	OPS / RC												
27	3A3 Office Emergency Generator	Wed 10/1/14	Tue 6/30/15	0%	MAINT/RC												
28	<b>3C STAFFORD TREATMENT PLANT</b>	Tue 7/1/14	Tue 6/30/15	41%													
29	3C1 Start Up Flushing Connection	Tue 7/1/14	Fri 3/13/15	100%	ENG / CC												
30	3C2 STP Emergency Power Generator	Tue 7/1/14	Tue 6/30/15	0%	OPS / RC												
31	<b>4 STORAGE TANKS/PUMP STATIONS</b>	Tue 7/1/14	Tue 6/30/15	36%													
32	4A Atherton Recoat & Mixing System	Tue 7/1/14	Tue 6/30/15	75%	ENG / CC												
33	4B Lynwood Pump Station Motor Control Center	Tue 7/1/14	Tue 6/30/15	40%	MAINT/RC												
34	4C Sunset Tank C2 Mixing System	Wed 10/1/14	Tue 6/30/15	15%	ENG / DJ												
35	4D Crest PS (Design/Const)/Reloc School Rd PS	Tue 7/1/14	Tue 6/30/15	10%	ENG / DJ												
36	<b>5 RECYCLED WATER</b>	Tue 7/1/14	Tue 6/30/15	42%													
37	5A NBWRA Grant Program Admin	Tue 7/1/14	Tue 6/30/15	75%	ENG / DM												
38	5F Deer Island Wet Well Drain	Tue 7/1/14	Tue 6/30/15	10%	MAINT/RC												
39	<b>6 WEST MARIN WATER SYSTEM IMPROVEMENTS</b>	Tue 7/1/14	Tue 6/30/15	51%													
40	6A Olema PS Flood Protection & RTU Upgrade	Tue 7/1/14	Sun 2/15/15	98%	ENG / DJ												
41	6B Emergency Generator Connections	Tue 7/1/14	Tue 6/30/15	100%	MAINT / RC												
42	6C Gallagher Well Pipeline	Tue 7/1/14	Fri 1/30/15	100%	ENG / CC												
43	6D THM Spray Systems	Tue 7/1/14	Tue 6/30/15	75%	OPS / RC												
44	6E Upsize 4" Pipe fom Bear Valley Tanks	Wed 10/1/14	Tue 6/30/15	10%	ENG / CC												
45	6F Replace Pump in Well #2	Tue 7/1/14	Tue 6/30/15	0%	OPS / RC												
46	6G Abandon Downey Well DROP	Tue 7/1/14	Tue 6/30/15	0%	ENG / DM												
47	<b>7 OCEANA MARIN SEWER SYSTEM</b>	Tue 7/1/14	Tue 6/30/15	41%													
48	7A Infiltration Study & Repair	Wed 10/1/14	Tue 6/30/15	0%	OPS / RC												
49	7B Pond Power Relocation	Tue 7/1/14	Thu 4/30/15	90%	MAINT/RC												
50	7C Disposal Field Fencing Upgrade	Wed 10/1/14	Fri 5/15/15	25%	MAINT/RC												



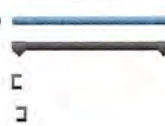
Current  
Baseline  
Inactive Task  
Inactive Task



Inactive Milestone  
Inactive Summary  
Manual Task  
Duration-only



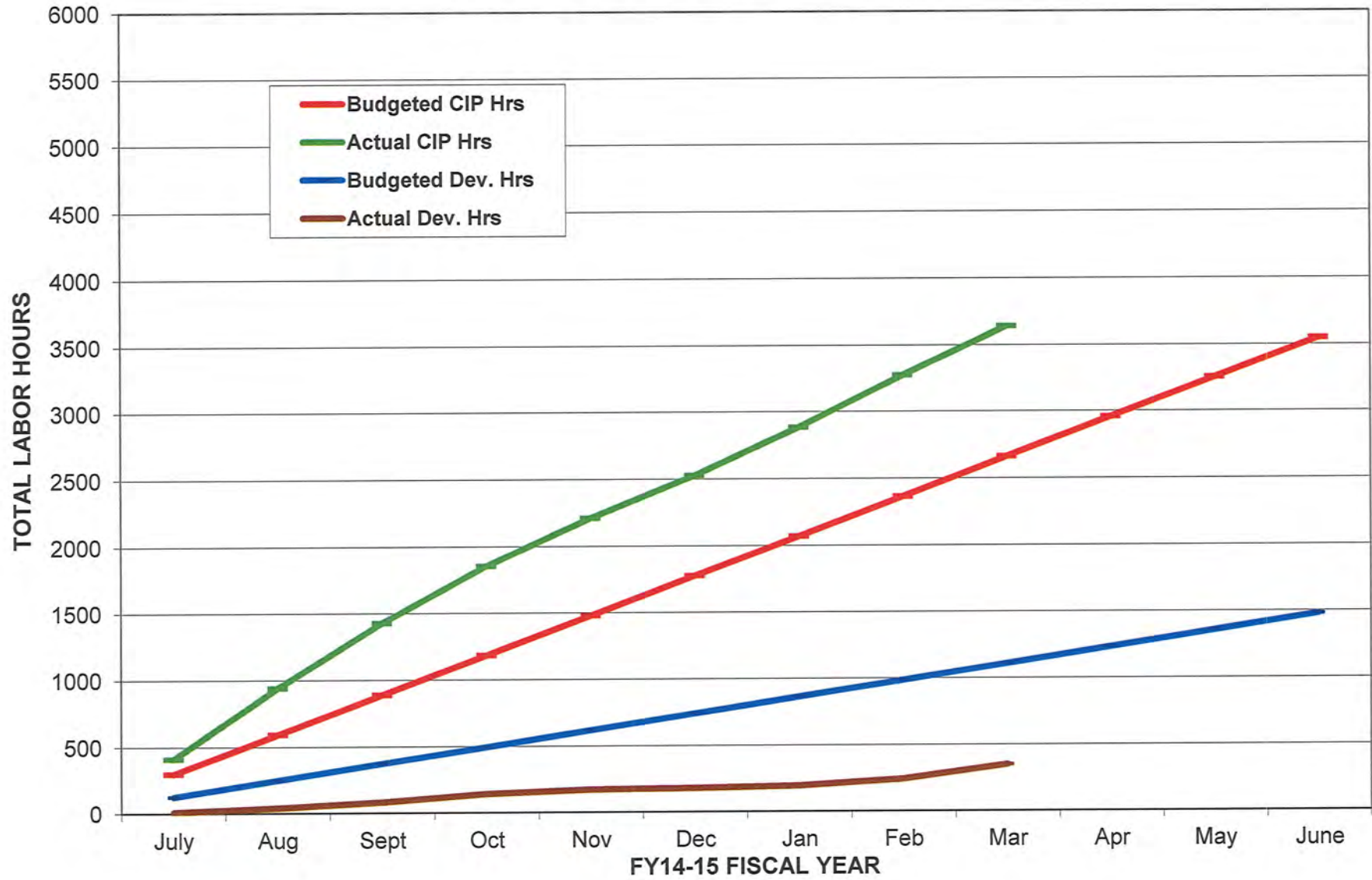
Manual Summary Rollup  
Manual Summary  
Start-only  
Finish-only



Progress



## ENGR. DEPT DEVELOPER & DISTRICT CAPITAL IMPROVEMENT PROJECTS (CIPs)



12

## MEMORANDUM

To: Board of Directors  
From: Robert Clark, Operations / Maintenance Superintendent   
Subject: Third Quarterly Progress Report - Operations/Maintenance  
X:\MAINT SUP\2015\BOD\Q3 14-15 O&M update.doc

May 5, 2015

**RECOMMENDED ACTION:** Information**FINANCIAL IMPACT:** None

The Operations and Maintenance group is comprised of the Water Quality staff, the Water Treatment and Distribution Operators and the Facilities Maintenance Technicians. Together, this group ensures that the District maintains a high level of water quality provided to its customers in a cost-efficient manner. The primary objectives during this quarter for the group included completion of the Stafford Treatment Plant shutdown projects, maintenance tasks, and critical water quality reports to our environmental and health regulators.

**Novato**

With over 16 inches of rain in December Stafford Lake had filled by the first of the new year and Operations staff was able to bring the Stafford Lake Treatment Plant online after completing annual maintenance work on February 5<sup>th</sup>. The Stafford Treatment Plant produced 120 AF during February and March with over 4,000 AF remaining in the lake to be treated through remainder of the water year.

The annual distribution system flushing programs were started in January with Zone 1 including all dead-ends throughout the Novato distribution system. The program used 2.4 MG dead-ends used 0.3 MG, with 465 hours used. The water was dirtier this year than in the recent past due to pH control problem SCWA experienced for an extended period this past year. Due to increased work in the Construction group, Operations Staff did not perform tank cleaning during the period as planned, but will pick up those activities in the 4<sup>th</sup> quarter with temporary labor planned to arrive in May. Operations staff completed the transfer of Deer Island recycled water plant SCADA operations to the Stafford Treatment Plant and modified the monthly report that will save staff 2-3 hours a month.

It has been a busy time for the Cross-Connection Control staff – as a key member of the Operations staff Sue Kessler has been out on an extended medical leave. Staff has fallen a bit behind schedule, but with additional assistance from the Construction group and perhaps some contract assistance the moving forward plan anticipates to have all planned work completed.

Maintenance tasks at STP were substantially completed with annual pump and motor maintenance, filter cleaning, and instrument maintenance being performed. The project work this

period included removal of the 75 HP High service pump for a seal replacement and overhaul, replacement of 64 chemical trench lids, four more tank level / intrusion monitors, five security cameras installed in the yard and removal of a fallen Oak tree at Stafford Treatment Plant and several dead pine trees from San Mateo and Atherton tank sites.

### **West Marin System**

Staff flushed the West Marin distribution pipelines by the end of March and found the system cleaner than the prior year, perhaps due to having completed the previous year flushing activities 15 months prior. 0.27 MG was used to flush, with 80 hours of staff time being used. Project work included the installation of access steps and a work platform for the Inverness park pump station emergency generator transfer switch. At the end of the period we began to see an increase in turbidity at the Point Reyes Treatment Plant and further investigation and testing has identified that well #2 has accumulated significant sediment and the casing may have collapsed. Staff has reached out to the consultants that we worked with for well #3 to determine what our options are for recovering the well.

### **Oceana Marin (OM)**

Staff has been performing the daily operations for over a year now and the facilities are operating in good condition. The Tahiti Way lift station pumps and controls were serviced and cleaned in January during the period of good weather. One of the capital improvement projects to set new power pole and PG&E service for Oceana Marin Ponds was also completed.

13



## MEMORANDUM

To: Board of Directors

May 1, 2015

From: Drew McIntyre, Chief Engineer

Subject: North Bay Water Reuse Authority Board Meeting – April 27, 2015

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**RECOMMENDED ACTION:** Information Only**FINANCIAL IMPACT:** None

The draft minutes from the above referenced meeting are provided in Attachment 1. Supplemental information is provided as follows using item numbers referenced in the meeting agenda.

**2. Roll Call**

NMWD Board was represented by Director Schoonover

**7. Financial Report for the Period Ending March 31, 2015**

There were no budget irregularities to report for the third quarter this fiscal year. The Program Manager, Mr. Chuck Weir, reports that all budget items are tracking normally through March 2015.

**9. Consideration of Adding City of American Canyon as an Associate Member**

The Board approved adding city of American Canyon as an associate member. Associate members pay \$5,000 a year and have limited roles regarding sponsoring of individual projects for potential grant funding. Currently the other two associate members within NBWRA are the County of Marin and Marin Municipal Water District.

**11. Program Development, Federal, and State Advocacy Status Report**

Ginger Bryant provided an update to the Board on federal activities in support of Phase 1 and Phase 2. The FY16 federal budget had \$20 million allocated for Title 16 funding with the request by NBWRA to bump this to \$30 million. Currently the budget proposal in the U.S. House of Representatives is \$23.4 million. Ms. Bryant also reported that additional outreach support is being planned at the federal level via a focused meeting with Washington congressional staff in August of this year.

**12. Workshop North Bay Water Reuse Program Phase 2**

The consultant team is working with the Phase 2 member agencies to screen the existing list of 21 near-term potential Phase 2 projects. The current objective is to rank the 21 near-term projects and develop a shortlist of these projects at the May 11 Technical Advisory Committee meeting followed by consideration at the June 22 NBWRA Board meeting. A full workshop on the short-listed projects will occur in July of this year.

**North Bay Water Reuse Authority  
Board of Directors Meeting  
Minutes  
April 27, 2015**

**1. Call to Order**

Chair Rabbitt called the meeting to order at 9:34 a.m. on Monday, April 27, 2015 at the Novato City Hall Council Chambers, 901 Sherman Drive, Novato, CA 94945. Consultants and others who were unable to attend participated via telephone, 1-866-906-7447, passcode 2428170#.

**2. Roll Call**

**PRESENT:** David Rabbitt, Chair, Sonoma County Water Agency  
Brent Miller Novato Sanitary District  
Keith Caldwell, Napa County  
Rabi Elias, Las Gallinas Valley Sanitary District  
Jack Gibson, Marin Municipal Water District  
Pam Jeane, Sonoma Valley County Sanitation District  
Mike Healy, City of Petaluma  
Jill Techel, Napa Sanitation District  
John Schoonover, North Marin Water District

**ABSENT:** Steve Kinsey, Marin County

**OTHERS**

<b>PRESENT:</b>	Chuck Weir, Program Manager	Weir Technical Services
	Kevin Booker	Sonoma County Water Agency
	Ginger Bryant	Bryant & Associates
	Grant Davis	Sonoma County Water Agency
	Jenny Gain	Brown & Caldwell
	Robin Gordon	Data Instincts
	Jim Graydon	Kennedy Jenks Consultants
	Jason Holley	City of American Canyon (via telephone)
	Susan Huang	Kennedy Jenks Consultants
	Pam Jeane	Sonoma Valley County Sanitation Agency
	Craig Lichty	Kennedy Jenks Consultants
	Drew McIntyre	North Marin Water District
	Mark Millan	Data Instincts
	Phillip Miller	Napa County
	Pilar Oñate-Quintana	The Oñate Group (via telephone)
	Dan St. John	City of Petaluma
	Mike Savage	Brown & Caldwell
	Paul Sellier	Marin Municipal Water District
	Jake Spaulding	Sonoma County Water Agency
	Dawn Taffler	Kennedy Jenks Consultants
	Jeff Tucker	Napa Sanitation District
	Leah Walker	City of Petaluma

### **3. Public Comments**

There were no comments from the public

### **4. Introductions**

Introductions were made as there were several new people in attendance.

### **5. Board Meeting Minutes of January 26, 2015.**

A motion by Director Schoonover, seconded by Director Caldwell to approve the January 26, 2015 minutes was unanimously approved.

### **6. Report from the Program Manager**

#### **a. Consultant Progress Reports**

The Board reviewed the consultant progress reports for March 2015. The Program Manager highlighted the remaining agenda items.

### **7. Financial Report for the Period Ending March 31, 2105**

The Board reviewed the Financial Report.

### **8. Budgets, Member Agency Cost Allocations, and Scopes and Costs for FY2014/15, FY2015/16, and FY2016/17**

The reviewed the proposed budget and noted that there are no recommended changes from the budget that was approved last year. A motion by Director Schoonover, seconded by Director Healy to approve the Budgets, Member Agency Cost Allocation's, and Scopes and Costs for FY2014/15, FY2015/16, and FY2016/17, with approval of funding for FY2015/16 was unanimously approved.

### **9. Consideration of Adding City of American Canyon as Associate Member**

The Program Manager provided a brief overview of City of American Canyon's request to participate in NBWRA. A motion by Director Techel, seconded by Director Schoonover to approve Associate Membership for City of American Canyon was unanimously approved.

### **10. Outreach Program Update.**

Mark Millan provided an overview of the upgrades to the NBWRA website and also showed three new videos: North Bay Water Reuse Overview, Phase 1: What was Accomplished, and Phase 2: Maximizing Infrastructure Investments.

### **11. Program Development, Federal, and State Advocacy Update**

Ginger Bryant provided an update for the Board on federal activities in support of Phase 1 and 2. She discussed the following items: Title XVI Funding, New USBR/USDA Grant Funding, RRIFIA bill has been renamed RE-Act (The Reclamation Efficiency Act of 2015 as described in a handout that was distributed), and Phase 2 construction authority in the President's budget.

Pilar Oñate-Quintana discussed state issues including the State Board's Recycled Water Guidelines. NBWRA and member agencies have sent letters commenting on the draft guidelines. She also discussed Prop 1 funding and legislation of interest including: AB606 (Levine), SB553 (Wold), and AB725 (Wagner).

## **12. Workshop – North Bay Water Reuse Program Phase 2**

Mike Savage and Dawn Taffler discussed the following topics: Program Selection Process, Project Screening, Alternative Formulation, Next Steps, and Feasibility Study Report. Participants were asked to fill out two forms. The first was a forced pairwise comparison of objectives, and the second was to rank the subobjectives within each objective. This information will be used to prioritize the list of projects leading to a recommended alternative. The consultant team will distribute the forms to the TAC members so they may use the forms to discuss priorities for each agency. This information will be further discussed by the TAC on May 11, 2015, and the Board/TAC at the June 22, 2015 meeting.

## **13. Adjournment**

Chair Rabbitt adjourned the meeting at 11:18 a.m. The next meeting will be Monday, June 22, 2015 at 9:30 a.m. at Novato Sanitary District.

Minutes approved by the Board \_\_\_\_\_.

Charles V. Weir  
Program Manager

C:\Users\Chuck\Documents\Weir Technical Services\NBWRA\Agendas\2015\2015-04\2015-04-27\_NBWRA\_Board\_Minutes.docx

**14**

FOR ACCESSIBLE  
MEETING INFORMATION  
CALL: (707) 543-3350  
ADD: (707) 543-3031



**WATER ADVISORY COMMITTEE  
AND  
TECHNICAL ADVISORY COMMITTEE**

**MONDAY, MAY 4, 2015**

**9:00AM**

Utilities Field Operations Training Center  
35 Stony Point Road, Santa Rosa, CA

This is a combined WAC and TAC meeting.

1. Check In
2. Public Comment
3. Recap from the April 6, 2015 WAC/TAC Meeting and Approval of Minutes
4. Water Supply Coordination Council
5. Approve Renewed Agreements between SCWA and MMWD
6. Sonoma Marin Saving Water Partnership – Regional Alliance 2014 GPCD Update and  
Proposed Collective Conservation Standard to meet SWRCB Emergency Regulations
7. Water Supply Conditions and Temporary Urgency Change Order
8. Sustainable Groundwater Management Act
9. Biological Opinion Status Update
10. Integrated Regional Water Management Plan(s) Update
11. Items for next agenda
12. Check Out

Draft Minutes of Water Advisory Committee and Technical Advisory Committee  
35 Stony Point Road, Santa Rosa, California  
April 6, 2015

Attendees: Tom Schwedhelm, City of Santa Rosa  
David Guhin, City of Santa Rosa  
Linda Reed, City of Santa Rosa  
Linda Hall, City of Santa Rosa  
Elise Howard, City of Santa Rosa  
Rocky Vogler, City of Santa Rosa  
Mark Millan, Town of Windsor  
Toni Bertolero, Town of Windsor  
Jim Smith, Town of Windsor  
Susan Harvey, City of Cotati  
Damien O'Bid, City of Cotati  
Mark Heneveld, Valley of the Moon Water District  
Dan Muelrath, Valley of the Moon Water District  
Laurie Gallian, City of Sonoma  
Dan Takasugi, City of Sonoma  
Joseph Callinan, City of Rohnert Park  
Jake Mackenzie, City of Rohnert Park  
Mary Grace Pawson, City of Rohnert Park  
Mike Healy, City of Petaluma  
Dan St. John, City of Petaluma  
Leah Walker, City of Petaluma  
Dennis Rodoni, North Marin Water District  
Chris DeGabriele, North Marin Water District  
Drew McIntyre, North Marin Water District  
Katie Young, North Marin Water District  
Jack Gibson, Marin Municipal Water District  
Larry Russell, Marin Municipal Water District  
Krishna Kumar, Marin Municipal Water District  
Mike Ban, Marin Municipal Water District  
Efren Carrillo, Board of Supervisors  
James Gore, Board of Supervisors  
Grant Davis, SCWA  
Pam Jeane, SCWA  
Mike Thompson, SCWA  
Mike Gossman, SCWA  
Lynne Roselli, SCWA  
Carrie Pollard, SCWA  
Brad Sherwood, SCWA  
Ann DuBay, SCWA  
Lori Armbrust, SCWA  
Donna Boero, SCWA

Public Attendees: Brenda Adelman, RRWPC  
Dietrich Stroeh, Stuber-Stroeh Engineering Group  
Dawna Gallagher Stroeh  
Margaret DiGenova, California American Water  
David Keller, FOER  
Jim Downey, Penngrove/Kenwood Water District  
Bob Anderson, United Winegrowers  
Deborah Tavares

1. Check-in  
Dennis Rodoni, WAC Chair, called the meeting to order at 9:04 a.m.
2. Public Comment  
Deborah Tavares commented on primary water and water privatization worldwide.  
Brenda Adelman commented on the California drought.
3. Recap from the February 2, 2015 WAC/TAC Meeting and Approval of Minutes  
Moved by Laurie Gallian, City of Sonoma, seconded by Mark Heneveld, Valley of the Moon, to approve the minutes of the February 2, 2015 WAC/TAC meeting; unanimously approved.
4. Recap from the March 2, 2015 TAC Meeting and Approval of Minutes  
Moved by David Guhin, City of Santa Rosa, seconded by Damien O'Bid, City of Cotati, to approve the minutes of the March 2, 2015 TAC meeting; unanimously approved.
5. Water Supply Conditions and Temporary Urgency Change Order (including report on Water Conservation)  
Pam Jeane, SCWA, reported normal flow conditions in the Russian River based on Lake Pillsbury inflow. We will be classified as being in a normal condition to the end of the year. Lake Sonoma is at 88% capacity and Lake Mendocino is at 57% of total water supply pool. Releases have increased due to natural Russian River flow decrease. SCWA will be filing a Temporary Urgency Change Petition this month. Specific content of the request has not been defined as yet. Chris DeGabriele stated that the TAC ad hoc committee will meet again to discuss the executive order by Governor Jerry Brown to further reduce water consumption.
6. Approve FY 2015/16 SCWA Budget  
Mike Gossman, SCWA, made a PowerPoint presentation of the proposed budget asking for approval from the WAC members. Comments were made by the committee members and questions followed from the public. Moved by Joseph Callinan, City of Rohnert Park, seconded by Laurie Gallian, City of Sonoma, to approve the SCWA FY 2015/16 Budget; unanimously approved.
7. Biological Opinion Status Update  
Pam Jeane, SCWA, reviewed the update that was sent to the members. Questions and comments followed her presentation.
8. Items for next WAC/TAC Agenda  
Water Supply Conditions  
Biological Opinion Status Update  
California Water Foundation Report  
North Coast Resource Partnership
9. Check Out  
Adjourn to SCWA  
Next WAC/TAC meeting is May 4  
Next TAC meeting is June 1

Meeting was adjourned at 10:06a.m.



## **Water Supply Coordination Council**

### **MEETING AGENDA**

Friday, April 24, 2015

2 - 3pm

Community & Gov't. Affairs Conference Room  
575 Administration Drive, Room 113A

- 1) Review summary of last meeting (January 23, 2015 summary attached)
- 2) May 4 WAC/TAC meeting
- 3) Water Supply
  - a. Water Supply Conditions
  - b. Temporary Urgency Change Order
  - c. Lake Mendocino Reliability Report Term 17
  - d. Governor's Executive Order
- 4) Board of Supervisors Drought Update May 12
- 5) Upper Russian River Managers Meeting
- 6) Sustainable Groundwater Management Act
- 7) Schedule Next Meeting

\*If you need to call in, please contact Jane Gutierrez at [jane.gutierrez@scwa.ca.gov](mailto:jane.gutierrez@scwa.ca.gov) at least 2 days in advance so a phone line can be arranged.

DRAFT  
Summary  
April 24, 2015  
Water Supply Coordination Council Meeting

The WSCC is intended to coordinate activities of the Agency, WAC/TAC and other parties as necessary and to report on same pursuant to the Sonoma County Water Agency's September 15, 2009 Resolution #09-0871 to commence and continue development of new water supply projects, plans and strategies to meet the reasonably expected future water demands for the agency's water contractors. The WSCC makes no policy decisions. This WSCC summary is intended to disclose WSCC discussions with the WAC/TAC and other interested parties.

Attendees: Efren Carrillo, Dennis Rodoni, Mike Healy, Jay Jasperse, Grant Davis, David Guhin, Chris DeGabriele

1. Review Summary of Last Meeting (January 23, 2015)

A summary of the January 23, 2015 WSCC meeting was reviewed.

2. May 4<sup>th</sup> WAC/TAC Meeting

The agenda for the Water Advisory Committee and Technical Advisory Committee scheduled for May 4, 2015 was reviewed. It was recommended to add verbal update on the Sustainable Groundwater Management Act implementation progress in Sonoma County. It was noted that the Ad Hoc Committee for the WAC Chair and Vice-Chair nomination process (Mike Healy, Laurie Gallian, David Guhin and Grant Davis) will meet shortly to develop a proposal for consideration at the August 3 WAC/TAC meeting.

3. Water Supply

Grant Davis reported that Lake Mendocino is approximately at the same level as this time in 2013. Even though 2015 spring conditions have been extremely dry, normal year water supply in stream flow conditions are in effect pursuant to D1610 requirements. The Water Agency has submitted a TUCP to reduce Russian River in stream flow to preserve Lake Mendocino storage for fall fish releases and to meet Biological Opinion requirements.

Grant further reported that SCWA will issue a draft Lake Mendocino Reliability Report to the SWRCB later this month as prescribed by term 17 in the 2014 TUCO.

The parties discussed Governor Brown's Executive Order reaffirming his drought declaration and calling for a statewide 25% reduction in potable urban water use compared to 2013. It was noted that the SWRCB has proposed modifications to its' March Emergency Water Conservation Regulations and that the Sonoma Marin

Saving Water Partnership has proposed to the SWRCB to meet the proposed requirements on a regional basis.

4. Board of Supervisors Drought Update May 12

Grant requested the WAC/TAC be represented at the next Drought Update to the Board of Supervisors scheduled on May 12. Dennis Rodoni and David Guhin will represent the WAC and TAC.

5. Upper Russian River Managers Meeting

Meetings with upper RR water managers and agricultural interests continue. There has been keen interest by those parties in the Lake Mendocino Reliability Report.

6. Sustainable Groundwater Management Act

Grant reported that SCWA is reaching out to Sonoma County and community stakeholders and that a verbal presentation will be made to the WAC on May 4.

7. Schedule Next Meeting

The next meeting will be scheduled prior to the August 3, 2015 WAC/TAC meeting.

## MEMORANDUM

To: Water Advisory Committee  
From: Chris DeGabriele, TAC Chair  
Subj: Renewed Agreements between SCWA and MMWD  
t:\gm\scwa\tac minutes and agenda\2015\tac proposed terms.docx

April 29, 2015

### **RECOMMENDED ACTION: Approve Renewed Agreements between SCWA & MMWD**

#### **History**

Marin Municipal Water District (MMWD) began receiving Russian River water delivered by Sonoma County Water Agency (SCWA) and through the North Marin Aqueduct on an interim basis in the early 1970s pending a formal contractual agreement between MMWD and SCWA. The 1974 Agreement for Water Supply and Construction of the Russian River Cotati Intertie Project (Master Agreement) was executed among SCWA and the current Water Contractors, excluding Windsor. Windsor replaced Forestville as a Water Contractor in 2006 when the current Restructured Agreement for Water Supply (RA) was executed.

Amendment 1 to the 1974 Master Agreement authorized up to 4,300 acre feet per year (AFA) of water to be delivered to MMWD on an off peak basis when excess capacity in the SCWA transmission system was available. MMWD and SCWA executed the Offpeak Water Supply Agreement (Offpeak Agreement) shortly thereafter (1975). The Offpeak Agreement was amended in 1984, 1988 and 1996.

In 1991 MMWD and SCWA entered into the Agreement for Sale of Water (Agreement for Sale) authorizing up to 10,000AFA of water supply in the Russian River for MMWD. In 1996 the Agreement for Sale was amended, updating payment terms and enabling the water supply to be paid for in two increments; the first 5,000AFA by 1996 and the second 5,000AFA by 2005. MMWD made those payments pursuant to the Amended Agreement for Sale.

The two 1996 agreements between SCWA and MMWD for delivery of Russian River water are now currently in place and are scheduled to expire at June 30, 2015. The proposed renewed agreements, "Fourth Amended Offpeak Water Supply Agreement" and "Second Amended Agreement for the Sale of Water between SCWA and MMWD", will remain largely in the same form as they are today.

#### **Proposed Terms of Renewed Agreements between SCWA and MMWD**

Substantive changes included in the renewed agreements are outlined below:

##### **1. The new price term (applicable to all water sold):**

MMWD will be charged for all water delivered at a rate per acre foot equal to the highest rate charged by the Agency to any party to the RA for water taken from either the Petaluma Aqueduct or the Santa Rosa Aqueduct, multiplied by 1.11. Three-quarters of the 11% supplemental revenue go into the Russian River Projects fund and one-quarter will be used to offset Transmission System costs. In the existing agreements MMWD is charged the highest of all the aqueduct rates (recently this has been the Sonoma Aqueduct) for water delivered under the Offpeak Agreement (4,300AFA), and for the remainder of deliveries under the Agreement for Sale (3,504AF in the past 12 months), MMWD is charged the O&M rate charged to the Water Contractors plus a fixed capital

charge of \$96/AF. In addition, MMWD pays the Russian River Conservation Charge and Russian River Projects Charge and will continue to do so in the renewed agreements. A calculation by SCWA indicates the annual projected revenues from MMWD pursuant to the renewed agreements will increase by ~5 to 6% compared to the revenue from existing (1996) agreements.

## **2. The new term:**

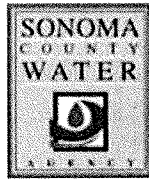
The prior agreements had a 20 year term with renewal upon request of MMWD for periods not to exceed 40 years. The renewed agreements will remain in effect until June 30, 2025 (10 year term). If the RA is renewed, amended or replaced, and upon the request of MMWD, SCWA shall enter into renewal agreements for periods not to exceed the then-existing term of the RA with the same terms and conditions contained in the renewed agreements, except that SCWA may make reasonable adjustments to the payment provisions, and any such reasonable adjustments then shall be included in any amended renewal agreements.

Additionally, the renewal agreements allow that in the event the RA is not renewed, SCWA shall enter into renewal agreements, at the request of MMWD, for periods not to exceed forty (40) years upon the same terms and conditions, except that SCWA may make reasonable adjustments to the payment provisions and any such reasonable adjustment then shall be included in any future renewal agreements.

The RA Section 3.12 requires the WAC to approve any amendments to agreements with MMWD. The TAC held an Ad Hoc meeting on April 20 and unanimously recommended that the WAC approve the renewed agreements between MMWD and SCWA (note that Cotati was not represented at the TAC Ad Hoc meeting).

## **RECOMMENDATION:**

The WAC approve the subject renewed agreements between MMWD and SCWA.



## Russian River Biological Opinion Update – May 2015

The Sonoma County Water Agency is continually planning and implementing the Russian River Biological Opinion requirements. The following project updates provide a brief synopsis of current work. For more detailed information about these activities, please visit [www.sonomacountywater.org](http://www.sonomacountywater.org).

### Dry Creek Habitat Enhancement and Demonstration Project

- Detailed design, environmental studies, CEQA/permitting, and topographic surveys are under way for Miles 2-3 of habitat enhancement. Two firms, Inter-Fluve and ESA PWA, are designing the second and third miles of habitat enhancement. The 30% designs were submitted by consultants in mid-February and have been reviewed by the Water Agency and other project partners (NOAA/NMFS, CADFW, Corps of Engineers). Water Agency staff are meeting with landowners to receive input on the 30% designs.
- The Water Agency released an RFQ in late December for design of miles four through six of habitat enhancement. The four most qualified firms were interviewed and the Water Agency is negotiating a new agreement with the design team led by Cardno (formerly Cardno ENTRIX) for the design of a portion of Miles 4-6, and will also amend the existing agreements with ESA and Inter-Fluve to cover the remaining portions. The amendments to the Inter-Fluve and ESA agreements will generally add areas that were included in their original agreements for Miles 2 and 3, but not advanced beyond the conceptual design level.

### Fish Monitoring

The new monitoring season is under way, and downstream migrant traps have been installed at Austin Creek, Dutch Bill Creek, Mark West Creek, and at Dry Creek.

### Mirabel Screen and Fish Ladder Replacement

Construction of the Mirabel Fish Passage Improvement is entering a new phase of construction that involves installing piles that are sunk into the riverbank to a depth of 50 feet in order to stabilize the fish ladder structure. This phase of construction is expected to last approximately two weeks and work will take place from Monday-Saturday, 7 a.m. to 7 p.m. The equipment required for installing the pipes is a diesel-powered pile driver, which is loud. The Water Agency notified all residents within a two-mile radius of the project that there will be construction noise. A community meeting was held April 23 for interested neighbors. About 17 residents attended and received an update on the project and visited the fish ladder construction site.



*The Mirabel Fish Passage Improvement project*

### **Russian River Estuary Management Project**

The Water Agency will hold a community meeting on the Russian River Estuary Management project on June 11 at the Monte Rio Community Center. Presentations will include information about the upcoming lagoon management season and preliminary results of the study of the historic Goat Rock State Beach jetty. The meeting will be from 6-8 p.m. at the Monte Rio Community Center, 20488 Highway 116, Monte Rio). The June 11 meeting is the seventh community meeting discussing the estuary since the Biological Opinion was issued.

The latest closure of the river mouth was on April 16th. The presence of neonate (less than 1 week old) harbor seals required cancelling breaching activities to avoid impacting the pups. The river reached a level of 9.7 feet before the mouth opened on April 23.

The 2015 Lagoon Management Period begins on May 15. Water Agency staff are preparing for field monitoring activities, including installation of downstream migrant salmonid traps and water quality monitoring stations. Twice monthly baseline monitoring of seals and other pinnipeds is ongoing.

### **Fish Flow Project**

Work is occurring internally on the preparation of the draft Environmental Impact Report for the Fish Habitat Flows and Water Rights Project. The EIR is being prepared by Water Agency staff, with assistance from consultants on some areas of impact analysis. A draft EIR is anticipated to be released early Fall 2015.

### **Interim Flow Changes**

On April 21, 2015 the Water Agency filed a Temporary Urgency Change Petition with the State Water Resources Control Board to temporarily lower Russian River flows starting May 1 through Oct. 27, 2015. Dry spring conditions have worsened water supply storage levels in Lake Mendocino and existing state mandated in-stream flow requirements do not accurately reflect current hydrologic conditions within the Russian River watershed. Based on Decision 1610, current hydrologic conditions would categorize water supply conditions as normal and therefore instream flows would remain set at 185 cubic feet per second through May 31. Beginning June 1, minimum instream flows would drop to 75 cfs based on the requirements of Decision 1610.

If the TUCP is approved by the State Water Board, Russian River flows would be reduced to:

- Upper Russian River: From 185 cubic-feet-per-second (cfs) to 75 cfs from the confluence of the Russian River's east and west forks to the river's confluence with Dry Creek
- Lower Russian River: From 125 cfs to 85 cfs from the confluence with Dry Creek to the Pacific Ocean

To improve efforts to optimally manage flows in the Russian River, the Water Agency requests that the minimum instream flow requirements be implemented on a 5-day running average of average daily stream flow measurements with instantaneous flows on the Upper Russian River being no less than 65 cfs and on the Lower Russian River being no less than 75cfs.

### **Public Outreach, Reporting & Legislation**

- Planning is under way for the annual spring/summer community meetings regarding the Estuary and Dry Creek. The Estuary meeting is scheduled for June 11 at the Monte Rio Community Center from 6-8 p.m. A date for the Dry Creek meeting is yet to be determined.


15



## MEMORANDUM

To: Board of Directors

May 1, 2015

From: Chris DeGabriele, General Manager 

Subj: Update on State Water Resources Control Board (SWRCB) Drought Emergency Water Conservation Regulations

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**RECOMMENDED ACTION:** Information Only**FINANCIAL IMPACT:** None at this time

At the April 21<sup>st</sup> meeting, the Board was apprised of the current situation wherein the State Water Resources Control Board revised Draft Emergency Water Conservation regulations were issued on April 18<sup>th</sup>, subsequent to the NMWD Board Meeting agenda posting. Those draft regulations contained major changes from that adopted by the State Board on March 17<sup>th</sup>.

The State Board had posed an open question for multiple agencies to collectively meet the conservation standard on a combined basis. A proposal was submitted to the State Board under the umbrella of the Sonoma-Marín Saving Water Partnership to apply such a regional approach. (Attachment 1)

The most recent draft of the Emergency Regulations (Attachment 2) distributed on the evening of April 28<sup>th</sup> makes no mention of a regional effort for compliance and contains additional changes from the Draft Regulation which was issued on April 18<sup>th</sup>. The prescribed tiers of water conservation standards remain and North Marin Water District continues to be assigned a 24% conservation savings target. It is anticipated that the State Board will hold a public hearing and adopt the regulations on May 5<sup>th</sup>. On May 19<sup>th</sup>, NMWD's public hearing will consider enactment of a resolution to comply with the State Board's adopted requirements.

At this time staff proposes that two resolutions be considered on May 19<sup>th</sup>. One for Novato, essentially in the same format and with essentially the same terms as originally proposed for adoption at our April 21<sup>st</sup> meeting (see Attachment 3 for a hand annotated version of said resolution). Additionally, staff will propose that the Board adopt a separate resolution for the West Marin Water Service Area which will continue to prohibit waste of water and require a limit on outdoor irrigation of ornamental landscapes or turf with potable water to no more than two days per week.



DELIVERED BY EMAIL [Jessica.bean@waterboards.ca.gov](mailto:Jessica.bean@waterboards.ca.gov)

Jessica Bean  
State Water Resources Control Board  
Attn: Jessica Bean  
1001 I Street 24<sup>th</sup> Floor  
Sacramento, CA 95814

April 22, 2015

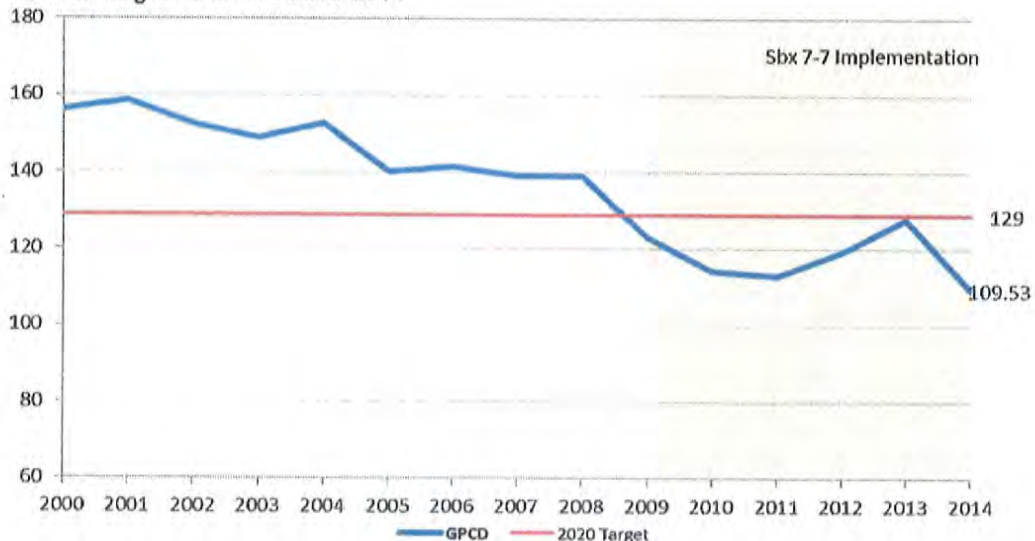
Re: Draft Emergency Regulation for Urban Water Conservation

Dear Chair Marcus and Members of the State Board:

I am writing on behalf of the Sonoma Marin Saving Water Partnership (SMSWP) requesting to meet a collective conservation standard under the subject Draft Regulation. The SMSWP, established in 2010, maintains a regional commitment to work collaboratively on the implementation of appropriate water use efficiency programs in Sonoma and Marin counties. A regional alliance of SMSWP signatories (the cities of Santa Rosa, Rohnert Park, Sonoma, Cotati, Petaluma, Town of Windsor, North Marin, Marin Municipal and Valley of the Moon Water District's) was formed to comply with SBx7-7 the Water Conservation Act of 2009. SBx7-7 calls for a 20% reduction in water use by the year 2020. The regional alliance was formed pursuant to the Department of Water Resources Methodology for Calculating Baseline and Compliance Urban Per Capita Water Use because the parties receive water from a common water wholesale supplier, the Sonoma County Water Agency (SCWA), also a SMSWP signatory.

The graph below demonstrates the long term progress of our region and the SMSWP has made towards incorporating water use efficiency in Sonoma and Marin Counties. Since 2000, there has been a 30% reduction in per capita water use while experiencing a 10% increase in population.

**Annual Regional GPCD 2000-2014**



City of Cotati · North Marin Water District · Marin Municipal Water District · City of Petaluma · City of Rohnert Park  
City of Santa Rosa · City of Sonoma · Sonoma County Water Agency · Valley of the Moon Water District · Town of Windsor



Page 3 of the fact sheet on DRAFT REGULATIONS IMPLEMENTING 25% CONSERVATION STANDARDS states: "An open question is whether the draft regulation should allow multiple suppliers to join together to meet a collective conservation standard." SMSWP encourages the State Board to allow multiple jurisdictions to join together to form regional alliances that are assigned a collective conservation standard. SMSWP recommends that the State Board consider modeling the formation of regions based on the methodology developed by DWR for forming regional alliances to comply with SBx7-7. Regional alliances will allow for multiple jurisdictions to leverage resources to develop common messaging and water conservation programs in response to the drought.

Based on the current Draft Regulation, SMSWP proposes to meet an annual collective conservation standard of 20% to achieve the same amount of water savings as would individual SMSWP signatories in the aggregate. In summer 2014, (July through September) the SMSWP collective Residential GPCD averaged 101.14 gallons per person per day (see table below) equivalent to a Tier 5, 20% Conservation Standard as now proposed under the Draft Regulation.

<b>Summer 2014 Sonoma Marin Saving Water Partnership Residential GPCD</b>			
	Residential Production	Population	R-GPCD
Jul	2,015,985,157	594,651	109.36
Aug	1,772,531,369	594,091	96.25
Sep	1,743,217,426	593,984	97.83
	5,531,733,952		<b>101.14</b>

We request Draft Regulation Section 865.(c)(2) also recognize conjunctive use of local and regional surface and groundwater supplies as long as a region is meeting the collective conservation standard. In Sonoma and Marin counties, the 2014-15 water year has been better than last. Lake Sonoma, the major surface water supply reservoir supplying SMSWP members is at 87% capacity. Lake Sonoma holds 214,000 acre feet on this date which is equivalent to over three years water supply for consumptive and environmental needs. Additionally, local surface water reservoirs in Marin County are at approximately 90% capacity.

To comply with reporting requirements under the Draft Regulation, we propose that individual SMSWP signatories continue to report performance on the State Board website using the Urban Water Supplier Reporting Tool. Additionally, SCWA has previously reported to the State Board on regional water conservation performance as part of Temporary Urgency Change Order requirements and can continue to do so under this proposal.

On behalf of the SMSWP members I appreciate the opportunity to comment on this all important item and request that the State Board recognize the existing SMSWP organizational structure designed to promote water conservation in Sonoma and Marin counties. We believe the SMSWP can meet the State Board's mandatory restrictions on a regional basis.

Sincerely,



Chris DeGabriele  
General Manager, NMWD  
Chair, Technical Advisory Committee to  
SCWA





# Fact Sheet

## **NOTICE OF PROPOSED EMERGENCY REGULATION IMPLEMENTING THE 25% CONSERVATION STANDARD**

On April 1, 2015, Governor Jerry Brown issued the fourth in a series of Executive Orders on actions necessary to address California's severe drought conditions. With snowpack water content at a record low level of 5 percent of average for April 1st, major reservoir storage shrinking each day as a percentage of their daily average measured over the last several decades, and groundwater levels continuing to decline, urgent action is needed. The April 1 Executive Order requires, for the first time in the State's history, mandatory conservation of potable urban water use. Commercial agriculture in many parts of the State has already been notified of severe cutbacks in water supply contracted through the State and Federal Water Projects and is bracing for curtailments of surface water rights in the near-term. Conserving water more seriously now will forestall even more catastrophic impacts if it does not rain next year.

### **Stakeholder Involvement**

To maximize input in a short amount of time, the State Water Board released a proposed regulatory framework for implementing the 25% conservation standard on April 7, 2015 for public input. Over 250 comments were submitted by water suppliers, local government, businesses, individuals, and non-governmental organizations. Draft regulations that considered this input were released on April 18 for informal public comment. Almost 300 comments were received that addressed the methodology for the assignment of conservation standards, the availability of exclusions or adjustments under defined conditions, how to approach the commercial, industrial and institutional (CII) sector, the requirements for smaller water suppliers, and the approach to enforcement. A Notice of Proposed Emergency Regulations, which considers this input and initiates the formal emergency rulemaking process, was released on April 28, 2015. If approved, water savings amounting to approximately 1.3 million acre-feet of water, or nearly as much water as is currently in Lake Oroville, will be realized over the next nine months.

### **What's Next**

The Notice of Proposed Emergency Rulemaking begins a formal comment period that will conclude just prior to the State Water Board's consideration of adoption of the proposed emergency regulation at its May 5-6, 2015 meeting. **The formal comment period will conclude on May 4, 2015 at 10:00am.** All comments will be immediately provided to the Board Members and posted on the State Water Board's webpage at: [http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/drought/emergency\\_mandatory\\_regulations.shtml](http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/emergency_mandatory_regulations.shtml)





During this formal notice period, all **comments must be received by 10:00am on Monday May 4, 2015** and submitted either electronically to: [commentletters@waterboards.ca.gov](mailto:commentletters@waterboards.ca.gov) or in writing to the address in the Notice. All comments should indicate on the subject line: "Comment Letter – Emergency Conservation Regulation."

## **Proposed Emergency Regulation - Key Provisions**

### **Conservation Standard for Urban Water Suppliers**

As drought conditions continue, all water suppliers will need to do more to meet the statewide 25% conservation standard. Since the State Water Board adopted its initial emergency urban conservation regulation in July 2014, statewide conservation has reached 9%. Everyone must do more, but the greatest opportunities to meet the statewide 25% conservation standard exist in those areas with higher water use. Often, but not always, these water suppliers are located in areas where the majority of the water use is directed at outdoor irrigation due to lot size, climate and other factors. As temperatures are forecast to climb to above average for the summer months, it will become even more important to take aggressive actions to reduce outdoor water use. The emergency regulation establishes tiers of required water reductions that emphasize the opportunities to reduce outdoor water use.

Many comments spoke to the question of fairness and equity in the construction of the tiers in earlier drafts of the regulation. Concerns were raised about accounting for factors that influence water use, such as past conservation, climate, lot size, density, and income. Ultimately, the tier structure proposed on April 18, 2015 was maintained as the best way to achieve the 25% water reduction called for by the Governor.

*Feedback is specifically requested on whether the conservation framework should be modified to double the number of tiers and use two percent increments instead of four percent. This change would provide further refinement for water suppliers that find themselves on one side or the other of a tier.*

The conservation savings for all urban water suppliers are allocated across nine tiers of increasing levels of residential water use (R-GPCD) to reach the statewide 25 percent reduction mandate. This approach lessens the disparities in reduction requirements between agencies that have similar levels of water consumption, but fall on different sides of dividing lines between tiers. Suppliers have been assigned a conservation standard that ranges between 8% and 36% based on their R-GPCD for the months of July – September, 2014. These three months reflect the amount of water used for summer outdoor irrigation, which provides the greatest opportunity for conservation savings. Some suppliers may be eligible, under specific conditions, for placement into a lower 4% conservation tier. Water suppliers that reduced their water use prior to the drought will have a lower R-GPCD and thus a lower conservation standard than water suppliers with similar climate and density factors where R-GPCD remains high.



Urban water suppliers (serving more than 3,000 customers or delivering more than 3,000 acre feet of water per year and accounting for more than 90% of urban water use) will be assigned a conservation standard, as shown in the following table:

Tier	R-GPCD Range		# of Suppliers in Range	Conservation Standard
	From	To		
1	reserved		0	4%
2	0	64.9	23	8%
3	65	79.9	24	12%
4	80	94.9	44	16%
5	95	109.9	51	20%
6	110	129.9	48	24%
7	130	169.9	82	28%
8	170	214.9	54	32%
9	215	612.0	85	36%

The Smith family of three learns that their water district must reduce water use by 12 percent. A manufacturing plant uses 20 percent of the water and cannot reduce its use. So, residents are told to reduce their use by 15 percent to meet the overall 12 percent target. The Smith family uses an average of 210 gallons per day (or about 70 gallons per person), 165 gallons for indoor use and 45 gallons for watering their small yard. To meet the 15% reduction requirement they must reduce total water use to about 180 gallons per day. This is equivalent to about 60 gallons per person per day.

The Jones family of four learn that their water district must reduce water use by 32 percent. An oil refinery uses 10 percent of the district's water and cannot reduce its use. Their city also has many small businesses, and a golf course, which can reduce use by more than 10 percent. The residents must now reduce their use by 30 percent to meet the overall 32 percent target. The Jones family uses an average of 1,200 gallons per day (or about 300 gallons per person); 300 gallons for indoor use and 900 gallons outdoors, to irrigate a large yard that includes grass and fruit trees. To cut water use by 30 percent, the Jones' must cut their water use by 360 gallons per day to 840 gallons which is equivalent to 210 gallons per person per day.

## Exceptions

The proposed regulation allows water suppliers to request to modify their total water use or be placed into a lower conservation tier under two situations:

1. Urban water suppliers delivering more than 20 percent of their total water production to commercial agriculture may be allowed to modify the amount of water subject to their conservation standard. These suppliers must provide written certification to the Board to be able to subtract the water supplied to commercial agriculture from their total water production for baseline and conservation purposes.
2. Urban water suppliers that have a reserve supply of surface water that could last at least four years may be eligible for placement into lower conservation tier. Only suppliers meeting the eligibility criteria will be considered. These criteria relate to the source(s) of supply, storage capacity, and the number of years that those supplies could last.



*Feedback is specifically requested on whether the regulation should allow water suppliers whose supplies include groundwater to apply for inclusion the 4% reserve tier if it can be demonstrated that they have a minimum of 4 years of supply, do not rely upon imported water, and their groundwater supplies recharge naturally.*

## **Commercial, Industrial and Institutional Sector Clarification**

There are no specific use reduction targets for commercial, industrial, and institutional users served by urban and all other water suppliers. Water suppliers will decide how to meet their conservation standard through reductions from both residential and non-residential users. Water suppliers are encouraged to look at their commercial, institutional and industrial properties that irrigate outdoor ornamental landscapes with potable water for potential conservation savings.

## **Conservation Standard For All Other Water Suppliers**

Smaller water suppliers (serving fewer than 3,000 connections) will be required to achieve a 25% conservation standard or restrict outdoor irrigation to no more than two days per week. These smaller urban suppliers serve less than 10% of Californians.

*W. Marin*

## **End-User Requirements**

The new prohibitions in the Executive Order apply to all Californians and will take effect immediately upon approval of the regulation by the Office of Administrative Law. These include:

- Irrigation with potable water of ornamental turf on public street medians is prohibited; and
- Irrigation with potable water outside of newly constructed homes and buildings not in accordance with emergency regulations or other requirements established in the California Building Standards Code is prohibited.

These are in addition to the existing restrictions that prohibit:

- Using potable water to wash sidewalks and driveways;
- Allowing runoff when irrigating with potable water;
- Using hoses with no shutoff nozzles to wash cars;
- Using potable water in decorative water features that do not recirculate the water;
- Irrigating outdoors during and within 48 hours following measureable rainfall; and
- Restaurants from serving water to their customers unless the customer requests it.

Additionally, hotels and motels must offer their guests the option to not have their linens and towels laundered daily, and prominently display this option in each guest room.



It will be very important as these provisions are implemented to ensure that existing trees remain healthy and do not present a public safety hazard. Guidance on the implementation of both prohibitions will be developed.

## Self-Supplied CII

Commercial, industrial and institutional properties under Provision 5 of the Executive Order with an independent source of water supply (not served by a water supplier), are required under the proposed emergency regulation to either limit outdoor irrigation to two days per week or achieve a 25% reduction in water use. Often, these properties have large landscapes that would otherwise not be addressed by this regulation.

## New Reporting Requirements

Total monthly water production and specific reporting on residential use and enforcement as laid out in the previously adopted emergency regulations will remain in effect. Because the conservation standard applies to total water production, the proposed emergency regulation expands the reporting to include information on water use in the commercial, industrial, and institutional sectors. Small water suppliers with fewer than 3,000 service connections will be required to submit a single report on December 15, 2015 that provides their water production from June-November 2015 and June-November 2013 and the number of days per week outdoor irrigation is allowed.

Commercial, industrial, and institutional facilities with an independent source of supply (they are not served by a water supplier) are not required to submit a report; however they should be prepared to demonstrate their compliance with the two day per week watering restriction or the 25% reduction in water use if requested to do so by the Board.

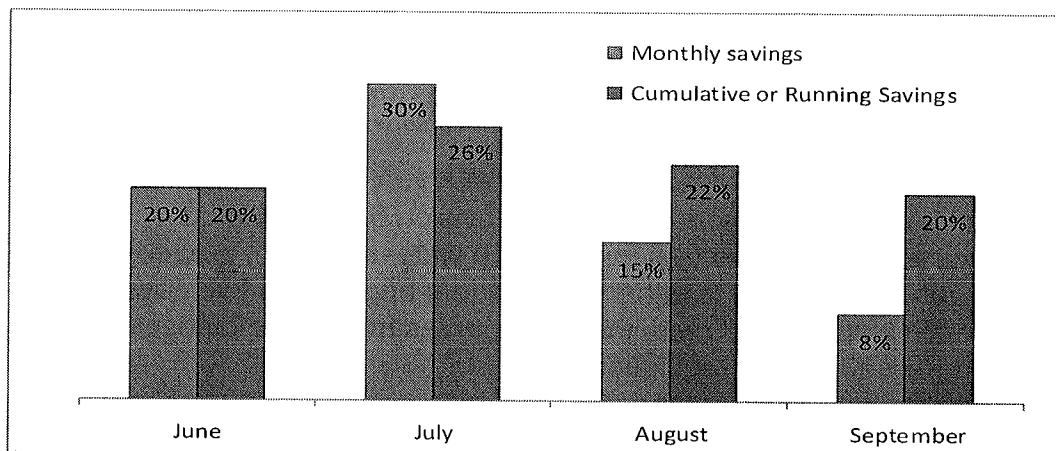
## Compliance Assessment

In many communities around the state, over half (and up to 80 percent) of total residential water use is for outdoor irrigation during the summer months. With summer just around the corner, bringing with it the greatest opportunity for making substantial conservation gains, immediate action is essential. As a result, the Board will begin assessing compliance with the submittal of the June monthly report on July 15, 2015. Beyond June, the Board will track compliance on a cumulative basis. Cumulative tracking means that conservation savings will be added together from one month to the next and compared to the amount of water used during the same months in 2013. This tracking will look like the sample graph below.

### Example Comparison of Monthly Savings and Cumulative Savings

	2013 Water Use	2015 Water Use	Monthly savings	Cumulative or Running Savings
June	1000	800	20%	20%
July	1500	1050	30%	26%
August	1200	1020	15%	22%
September	900	825	8%	20%





Two additional tools are included in the proposed emergency regulation to both expedite the investigation of water suppliers not meeting their conservation standard and to require the implementation of actions to correct this situation. A proposed informational order would require water suppliers to respond to request for information or face immediate enforcement. The proposed conservation order can be used to direct specific actions to correct non-compliance. Both of these tools are tailored to the emergency circumstances that the State finds itself in as a result of continuing drought conditions. Violation of an information or conservation order carries a penalty of up to \$500 per day.

The Board will work with water suppliers along the way that are not meeting their targets to implement actions to get them back on track. These actions could include changes to rates and pricing, restrictions on outdoor irrigation, public outreach, rebates and audit programs, leak detection and repair, and other measures. The Board may use its enforcement tools to ensure that water suppliers are on track to meet their conservation standards at any point during the 270 days that the emergency regulation is in effect.

## Conclusion

No one knows how the future will unfold. While the state may return to "normal," or even to above average hydrologic water conditions in 2016, such an outcome is far from certain. If there is a fifth, or even sixth, year of water scarcity the emergency regulation will have contributed to safeguarding the state's future water supplies, thereby forestalling potentially dramatic economic consequences. An example of the challenge facing the State comes from Australia, which experienced persistent and severe drought across most of its continent between 2002 and 2012. Over the full course of the 10 years of drought, half a percentage point may have been shaved from Australia's GDP growth rate due to water curtailments, lowered productivity, unemployment and reduced exports. A half-point reduction in GDP growth is significant: if this were to occur in California, cumulative state output would be reduced by close to half a trillion dollars over the same 10-year span of time.



## Fact Sheet

The State Water Board is committed to working with water suppliers around the State on implementation of the emergency regulation to reduce the risk that the State faces if drought conditions do not abate. A workshop to discuss implementation of the emergency regulation will be scheduled for October 2015, and the Board will continue to receive monthly updates and hear public comment as it has been doing since adopting its initial emergency regulation in July 2014.

As Governor Brown said on April 1, 2015, when announcing his fourth Executive Order since the drought began, "All of us in so many different parts of California, doing so many different things, have to now pull together in our own different contexts to do what is required."

*(This fact sheet was last updated on April 28, 2015)*

# PROPOSED TEXT OF EMERGENCY REGULATION

## Article 22.5. Drought Emergency Water Conservation.

### Sec. 863. Findings of Drought Emergency.

(a) The State Water Resources Control Board finds as follows:

(1) On January 17, 2014, the Governor issued a proclamation of a state of emergency under the California Emergency Services Act based on drought conditions;

(2) On April 25, 2014, the Governor issued a proclamation of a continued state of emergency under the California Emergency Services Act based on continued drought conditions;

(3) On April 1, 2015, the Governor issued an Executive Order that, in part, directs the State Board to impose restrictions on water suppliers to achieve a statewide 25 percent reduction in potable urban usage through February 28, 2016; require commercial, industrial, and institutional users to implement water efficiency measures; prohibit irrigation with potable water of ornamental turf in public street medians; and prohibit irrigation with potable water outside newly constructed homes and buildings that is not delivered by drip or microspray systems;

(34) The drought conditions that formed the basis of the Governor's emergency proclamations continue to exist;

(45) The present year is critically dry and has been immediately preceded by two or more consecutive below normal, dry, or critically dry years; and

(56) The drought conditions will likely continue for the foreseeable future and additional action by both the State Water Resources Control Board and local water suppliers will likely be necessary to prevent waste and unreasonable use of water and to further promote conservation.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 102, 104, and 105, and 275, Water Code; Light v. State Water Resources Control Board (2014) 226 Cal.App.4th 1463.

### Sec. 864. End-User Requirements in Promotion of Water Conservation.

(a) To prevent the waste and unreasonable use of water and to promote water conservation, each of the following actions is prohibited, except where necessary to address an immediate health and safety need or to comply with a term or condition in a permit issued by a state or federal agency:

(1) The application of potable water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures;

(2) The use of a hose that dispenses potable water to wash a motor vehicle, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use;

(3) The application of potable water to driveways and sidewalks; and

(4) The use of potable water in a fountain or other decorative water feature, except where the water is part of a recirculating system;

(5) The application of potable water to outdoor landscapes during and within 48 hours after measurable rainfall; ~~and~~

(6) The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;

(7) The irrigation with potable water of ornamental turf on public street medians;  
~~and~~

(8) The irrigation with potable water of landscapes outside of newly constructed homes and buildings that is not delivered by drip or microspray systems in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission.

(b) To promote water conservation, operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guestroom using clear and easily understood language.

(c) Immediately upon this subdivision taking effect, all commercial, industrial and institutional properties that use a water supply any portion of which is from a source other than ~~not served by a water supplier meeting the requirements of Water Code section 10617 or section 350~~ subject to section 865 shall either:

(1) Limit outdoor irrigation of ornamental landscapes or turf with potable water to no more than two days per week; or

(2) Reduce potable water usage by 25 percent for the months of June 2015 through February 2016 as compared to the amount used for the same months in 2013.

(ed) The taking of any action prohibited in subdivision (a) or the failure to take any action required in subdivisions (b) or (c), ~~in addition to any other applicable civil or criminal penalties,~~ is an infraction, punishable by a fine of up to five hundred dollars (\$500) for each day in which the violation occurs. The fine for the infraction is in addition to, and does not supersede or limit, any other remedies, civil or criminal.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 102, 104, and 105, 275, 350, and 10617, Water Code; *Light v. State Water Resources Control Board* (2014) 226 Cal.App.4th 1463.

#### Sec. 865. Mandatory Actions by Water Suppliers.

(a) As used in this section:

(1) "Distributor of a public water supply" has the same meaning as under section 350 of the Water Code.

(2) "R-GPCD" means residential gallons per capita per day.

(3) "Total potable water production" means all potable water that enters into a water supplier's distribution system, excluding water placed into storage and not withdrawn for use during the reporting period, or water exported outside the supplier's service area.

~~(4) The term "Urban water supplier," when used in this section, refers to~~  
means a supplier that meets the definition set forth in Water Code

section 10617, except it does not refer to suppliers when they are functioning solely in a wholesale capacity, but does apply to suppliers when they are functioning in a retail capacity.

~~(b)(1) To promote water conservation, each urban water supplier shall implement all requirements and actions of the stage of its water shortage contingency plan that imposes includes mandatory restrictions on the number of days that outdoor irrigation of ornamental landscapes or turf with potable water is allowed, or shall amend its water shortage contingency plan to include mandatory restrictions on the number of days that outdoor irrigation of ornamental landscapes or turf with potable water is allowed and implement these restrictions within forty five (45) days. Urban water suppliers with approved alternate plans as described in subdivision (b)(2) are exempted from this requirement.~~

~~(2) An urban water supplier may submit a request to the Executive Director for approval of an alternate plan that includes allocation-based rate structures that satisfies the requirements of chapter 3.4 (commencing with section 370) of division 1 of the Water Code, and the Executive Director may approve such an alternate plan upon determining that the rate structure, in conjunction with other measures, achieves a level of conservation that would be superior to that achieved by implementing limitations on outdoor irrigation of ornamental landscapes or turf with potable water by the persons it serves to no more than two days per week.~~

~~———— (c) To promote water conservation, each urban water supplier that does not have a water shortage contingency plan that restricts the number of days that outdoor irrigation of ornamental landscapes and turf with potable water is allowed, or has been notified by the Department of Water Resources that its water shortage contingency plan does not meet the requirements of Water Code section 10632 shall, within forty five (45) days, limit outdoor irrigation of ornamental landscapes or turf with potable water by the persons it serves to no more than two days per week.~~

~~(db)~~ In furtherance of the promotion of water conservation each urban water supplier shall:

(1) Provide prompt notice to a customer whenever the supplier obtains information that indicates that a leak may exist within the end-user's exclusive control.

(2) Prepare and submit to the State Water Resources Control Board by the 15<sup>th</sup> of each month a monitoring report on forms provided by the Board. The monitoring report shall include the amount of potable water the urban water supplier produced, including water provided by a wholesaler, in the preceding calendar month and shall compare that amount to the amount produced in the same calendar month in 2013. The monitoring report shall specify the population served by the urban water supplier, the percentage of water produced that is used for the residential sector, descriptive statistics on water conservation compliance and enforcement efforts, and the number of days that outdoor irrigation is allowed, and monthly commercial sector use, monthly industrial sector use, and monthly institutional sector use. The monitoring report shall also estimate the gallons of water per person per day used by the residential customers it serves.

(c)(1) To prevent the waste and unreasonable use of water and to meet the requirements of the Governor's April 1, 2015 Executive Order, each urban water supplier shall reduce its total potable water production by the percentage identified as its

conservation standard in this subdivision. Each urban water supplier's conservation standard considers its service area's relative per capita water usage.

(2) Each urban water supplier whose source of supply does not include groundwater or water imported from outside the hydrologic region in which the water supplier is located, and that received average annual precipitation in 2014 has a minimum of four years' reserved supply available may, notwithstanding its average July-September 2014 R-GPCD, submit to the Executive Director for approval a request that, in lieu of the reduction that would otherwise be required under paragraphs (3) through (10), the urban water supplier shall to reduce its total potable water usage production by 4 percent for each month as compared to the amount used in the same month in 2013. Any such request shall be accompanied by information showing that the supplier's sources of supply do not include groundwater or water imported from outside the hydrologic region and that the supplier's service area received average annual precipitation in 2014 supplier has a minimum of four years' reserved supply available.

(3) Each urban water supplier whose average July-September 2014 R-GPCD was less than 65 shall reduce its total potable water usage production by 8 percent for each month as compared to the amount used in the same month in 2013.

(4) Each urban water supplier whose average July-September 2014 R-GPCD was between 65 or more but less than 80 and 79.9 shall reduce its total potable water usage production by 12 percent for each month as compared to the amount used in the same month in 2013.

(5) Each urban water supplier whose average July-September 2014 R-GPCD was between 80 or more but less than 95 and 94.9 shall reduce its total potable water usage production by 16 percent for each month as compared to the amount used in the same month in 2013.

(6) Each urban water supplier whose average July-September 2014 R-GPCD was between 95 or more but less than 110 and 109.9 shall reduce its total potable water usage production by 20 percent for each month as compared to the amount used in the same month in 2013.

(7) Each urban water supplier whose average July-September 2014 R-GPCD was between 110 or more but less than 130 and 129.9 shall reduce its total potable water usage production by 24 percent for each month as compared to the amount used in the same month in 2013.

(8) Each urban water supplier whose average July-September 2014 R-GPCD was between 130 or more but less than 170 and 169.9 shall reduce its total potable water usage production by 28 percent for each month as compared to the amount used in the same month in 2013.

(9) Each urban water supplier whose average July-September 2014 R-GPCD was between 170 or more but less than 215 and 214.9 shall reduce its total potable water usage production by 32 percent for each month as compared to the amount used in the same month in 2013.

(10) Each urban water supplier whose average July-September 2014 R-GPCD was greater than 215 or more shall reduce its total potable water usage production by 36 percent for each month as compared to the amount used in the same month in 2013.

(d)(1) Beginning June 1, 2015, each urban water supplier shall comply with the conservation standard specified in subdivision (c).



(2) Compliance with the requirements of this subdivision shall be measured monthly and assessed on a cumulative basis.

(e) Each urban water supplier that serves provides 20 percent or more of its total potable water production for commercial agricultural use meeting the definition of Government Code section 51201, subdivision (ab) may subtract the amount of water supplied for commercial agricultural use from its potable water production total, provided that the supplier complies with the Agricultural Water Management Plan requirement of paragraph 12 of the April 1, 2015 Executive Order. Each urban water supplier that serves 20 percent or more of its total potable water production for commercial agricultural use meeting the definition of Government Code section 51201, subdivision (ab) shall certify that the agricultural uses it serves meet the definition of Government Code section 51201, subdivision (ab), and shall report its total potable water production pursuant to subdivision (b)(2), identifying the total amount of water supplied for commercial agricultural use.

(ef)(1) To prevent waste and unreasonable use of water and to promote water conservation, each distributor of a public water supply, as defined in Water Code section 350, that is not an urban water supplier shall, within forty-five (45) days, take one or more of the following actions:

*W. Martin*

(4A) Limit outdoor irrigation of ornamental landscapes or turf with potable water by the persons it serves to no more than two days per week; or

(2B) Implement another mandatory conservation measure or measures intended to achieve a 2025 percent reduction in potable water consumption by the persons it serves relative to the amount consumed in 2013.

(2) Each distributor of a public water supply, as defined in Water Code section 350, that is not an urban water supplier shall submit a report by December 15, 2015, on a form provided by the Board, that includes either confirms compliance with subdivision (f)(1)(A) or identifies:

(A) total potable water production, by month, from June through November, 2015, and total potable water production, by month, for June through November 2013; or

(B) Confirmation that the distributor limited outdoor irrigation of ornamental landscapes or turf with potable water by the persons it serves to no more than two days per week.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 102, 104, 105, 275, 350, 1846, 10617 and 10632, Water Code; *Light v. State Water Resources Control Board* (2014) 226 Cal.App.4th 1463.

#### Sec. 866. Additional Conservation Tools.

(a)(1) To prevent the waste and unreasonable use of water and to promote conservation, when a water supplier does not meet its conservation standard required by section 865 the Executive Director, or his the Executive Director's designee, may issue conservation orders requiring additional actions by the supplier to come into compliance with its conservation standard.

(2) ~~All conservation orders~~ A decision or order issued under this article by the board or an officer or employee of the board shall be subject to reconsideration under article 2 (commencing with section 1122) of chapter 4 of part 1 of division 2 of the California Water Code.

(b) The Executive Director, or his designee, may issue an informational order requiring water suppliers, or commercial, industrial or institutional properties that receive any portion of their supply from a source other than ~~not served by~~ a water supplier meeting the requirements of Water Code section 10617 or section 350 subject to section 865, to submit additional information relating to water production, water use or water conservation beyond that required to be reported pursuant to the other provisions of this article. The failure to provide the information requested within 30 days or any additional time extension granted is a violation subject to civil liability of up to \$500 per day for each day the violation continues pursuant to Water Code section 1846.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 100, 102, 104, 105, 174, 186, 187, 275, 350, 1051, 1122, 1123, 1825, 1846, 10617 and 10632, Water Code; *Light v. State Water Resources Control Board* (2014) 226 Cal.App.4th 1463.



Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Westborough Water District	257,568,499	213,776,790	43,791,709	17%	40.6	2	8%
Arcata City of	499,104,000	495,047,000	4,057,000	1%	43.5	2	8%
San Francisco Public Utilities Commission	20,365,410,000	18,717,900,000	1,647,510,000	8%	45.4	2	8%
Santa Cruz City of	2,527,700,000	1,933,400,000	594,300,000	24%	47.3	2	8%
California Water Service Company South San Francisco	2,075,673,590	1,907,534,254	168,139,336	8%	48.8	2	8%
California-American Water Company Monterey District	2,903,844,543	2,590,336,368	313,508,175	11%	51.3	2	8%
California Water Service Company East Los Angeles	3,998,522,861	3,819,956,279	178,566,582	4%	51.4	2	8%
California-American Water Company San Diego District	2,795,094,888	2,578,195,144	216,899,744	8%	51.9	2	8%
Cambria Community Services District	166,216,813	95,513,570	70,703,243	43%	54.3	2	8%
East Palo Alto, City of	409,886,088	454,911,335	-45,025,247	-11%	55.6	2	8%
Park Water Company	2,833,164,110	2,598,821,539	234,342,571	8%	55.6	2	8%
San Bruno City of	929,865,974	849,620,197	80,245,777	9%	55.7	2	8%
Daly City City of	1,888,066,301	1,622,632,784	265,433,517	14%	58.8	2	8%
North Coast County Water District	809,332,364	713,333,361	95,999,003	12%	59.5	2	8%
Golden State Water Company Florence Graham	1,246,577,219	1,227,482,326	19,094,894	2%	59.7	2	8%
Golden State Water Company Bell-Bell Gardens	1,279,423,043	1,208,354,847	71,068,196	6%	60.8	2	8%
Coastside County Water District	565,550,000	524,430,000	41,120,000	7%	61.9	2	8%
Hayward City of	4,474,967,937	3,957,222,483	517,745,455	12%	62.1	2	8%
Grover Beach City of	352,828,667	208,202,769	144,625,897	41%	62.3	2	8%
Redwood City City of	2,525,846,774	2,179,170,327	346,676,447	14%	63.4	2	8%
Compton City of	1,858,895,919	1,837,323,747	21,572,172	1%	63.6	2	8%
Soquel Creek Water District	1,046,626,000	826,889,000	219,737,000	21%	64.2	2	8%
Seal Beach City of	905,215,264	856,337,550	48,877,714	5%	64.7	2	8%
Inglewood City of	2,457,964,645	2,284,776,001	173,188,643	7%	65.1	3	12%
Goleta Water District	3,523,431,480	3,053,227,871	470,203,609	13%	65.5	3	12%
Oxnard City of	5,742,131,037	5,086,123,686	656,007,351	11%	66.6	3	12%
Paramount City of	1,628,999,712	1,623,382,034	5,617,679	0%	67.0	3	12%
California Water Service Company King City	428,820,478	403,729,918	25,090,560	6%	67.7	3	12%
Golden State Water Company Southwest	7,303,405,789	6,894,299,322	409,106,467	6%	68.2	3	12%
Golden State Water Company Bay Point	512,238,443	452,672,802	59,565,641	12%	69.2	3	12%
San Luis Obispo City of	1,387,716,506	1,278,706,170	109,010,336	8%	69.9	3	12%
Morro Bay City of	316,836,255	281,236,756	35,599,499	11%	70.0	3	12%
South Gate City of	2,066,696,383	2,017,629,675	49,066,708	2%	70.1	3	12%
Vernon City of	1,907,061,769	1,788,380,162	118,681,607	6%	70.6	3	12%
Huntington Park City of	1,171,761,731	1,128,423,492	43,338,240	4%	71.3	3	12%
Golden State Water Company Norwalk	1,214,317,928	1,131,519,080	82,798,848	7%	72.2	3	12%
Milpitas City of	2,719,687,979	2,424,775,231	294,912,748	11%	72.3	3	12%
Estero Municipal Improvement District	1,137,677,797	1,077,438,670	60,239,127	5%	72.8	3	12%

Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Golden State Water Company S San Gabriel	664,867,252	637,528,317	27,338,935	4%	73.6	3	12%
Sweetwater Authority	5,185,495,337	4,886,767,783	298,727,554	6%	75.0	3	12%
City of Big Bear Lake, Dept of Water & Power	610,520,000	590,469,860	20,050,140	3%	75.8	3	12%
La Palma City of	545,401,972	497,342,471	48,059,501	9%	75.9	3	12%
Marina Coast Water District	1,063,425,908	946,396,368	117,029,540	11%	76.0	3	12%
Lompoc City of	1,253,200,000	1,106,800,000	146,400,000	12%	76.6	3	12%
San Lorenzo Valley Water District	416,952,583	335,050,267	81,902,316	20%	77.9	3	12%
Santa Ana City of	9,729,076,397	9,323,684,636	405,391,760	4%	78.3	3	12%
Port Hueneme City of	500,546,894	456,100,759	44,446,135	9%	78.9	3	12%
Santa Fe Springs City of	1,526,056,730	1,408,567,739	117,488,991	8%	80.1	4	16%
Crestline Village Water District	185,010,871	167,499,027	17,511,844	9%	80.3	4	16%
McKinleyville Community Service District	344,448,000	300,869,000	43,579,000	13%	80.5	4	16%
Montebello Land and Water Company	859,407,071	791,398,619	68,008,451	8%	80.5	4	16%
Sweetwater Springs Water District	208,544,913	177,491,272	31,053,641	15%	80.8	4	16%
Santa Barbara City of	3,348,530,727	2,632,951,217	715,579,509	21%	80.9	4	16%
Rohnert Park City of	1,267,000,000	1,124,000,000	143,000,000	11%	81.0	4	16%
Lake Arrowhead Community Services District	440,648,885	386,238,213	54,410,671	12%	81.5	4	16%
Valley County Water District	2,033,127,821	1,853,913,772	179,214,049	9%	81.6	4	16%
San Diego City of	47,355,303,598	46,452,597,390	902,706,208	2%	82.0	4	16%
Mountain View City of	2,967,854,797	2,531,213,885	436,640,912	15%	82.5	4	16%
Golden State Water Company Artesia	1,402,138,690	1,348,796,812	53,341,879	4%	83.4	4	16%
California Water Service Company Dominguez	8,444,765,582	8,077,205,172	367,560,410	4%	83.7	4	16%
Greenfield, City of	573,049,890	501,684,126	71,365,764	12%	83.8	4	16%
Long Beach City of	14,658,100,592	13,842,168,619	815,931,973	6%	83.8	4	16%
Dublin San Ramon Services District	2,779,417,000	1,959,505,000	819,912,000	29%	84.7	4	16%
Golden State Water Company Culver City	1,415,824,450	1,344,756,254	71,068,196	5%	84.8	4	16%
Sunnyvale City of	4,612,426,949	3,920,970,221	691,456,728	15%	85.2	4	16%
California Water Service Company Salinas District	4,612,101,098	4,065,974,106	546,126,992	12%	86.0	4	16%
Lynwood City of	1,264,349,156	1,237,371,916	26,977,240	2%	86.3	4	16%
Santa Rosa City of	5,454,466,874	4,447,473,373	1,006,993,501	18%	86.7	4	16%
Hawthorne City of	1,070,747,789	1,135,592,223	-64,844,434	-6%	86.7	4	16%
California Water Service Company Mid Peninsula	3,986,792,209	3,551,780,554	435,011,655	11%	87.4	4	16%
San Gabriel Valley Water Company	9,747,519,587	9,124,165,807	623,353,780	6%	88.3	4	16%
Alameda County Water District	10,539,100,000	8,458,900,000	2,080,200,000	20%	88.3	4	16%
Santa Clara City of	5,338,900,000	4,749,500,000	589,400,000	11%	88.3	4	16%
Menlo Park City of	1,058,240,665	769,095,397	289,145,268	27%	88.6	4	16%
Millbrae City of	668,885,610	603,267,242	65,618,369	10%	89.2	4	16%
Petaluma City of	2,407,770,000	2,071,485,000	336,285,000	14%	89.6	4	16%



## Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Hi-Desert Water District	744,117,577	733,074,472	11,043,105	1%	90.2	4	16%
Burlingame City of	1,288,363,748	1,075,113,151	213,250,598	17%	90.4	4	16%
Los Angeles Department of Water and Power	139,452,680,105	130,343,503,463	9,109,176,642	7%	90.9	4	16%
Vallejo City of	4,410,308,000	4,020,375,000	389,933,000	9%	91.3	4	16%
San Buenaventura City of	4,446,346,994	3,813,888,925	632,458,069	14%	91.3	4	16%
Pico Rivera City of	1,267,056,981	1,099,162,034	167,894,948	13%	91.6	4	16%
Scotts Valley Water District	311,979,632	253,857,835	58,121,797	19%	91.6	4	16%
Irvine Ranch Water District	15,406,744,246	15,015,266,341	391,477,904	3%	91.7	4	16%
Santa Maria City of	3,370,607,161	3,257,210,864	113,396,297	3%	93.0	4	16%
Windsor, Town of	963,136,985	817,896,531	145,240,453	15%	93.0	4	16%
California Water Service Company Redwood Valley	108,182,674	82,440,411	25,742,263	24%	93.3	4	16%
American Canyon, City of	915,968,361	777,155,653	138,812,708	15%	93.5	4	16%
Golden State Water Company West Orange	4,000,477,969	3,830,090,258	170,387,711	4%	94.2	4	16%
East Bay Municipal Utilities District	52,390,500,000	46,127,500,000	6,263,000,000	12%	94.2	4	16%
Crescent City City of	583,110,000	710,650,000	-127,540,000	-22%	94.5	4	16%
Martinez City of	1,027,679,751	871,695,210	155,984,540	15%	95.5	5	20%
Pomona City of	5,817,361,333	5,468,536,077	348,825,256	6%	95.9	5	20%
San Jose City of	5,294,000,000	4,707,000,000	587,000,000	11%	96.0	5	20%
Bellflower-Somerset Mutual Water Company	1,350,031,789	1,268,477,694	81,554,095	6%	96.2	5	20%
California Water Service Company Hermosa/Redondo	2,984,799,071	2,983,495,666	1,303,406	0%	96.4	5	20%
Azusa City of	5,165,530,597	4,670,763,054	494,767,543	10%	97.3	5	20%
California Water Service Company Stockton	6,808,665,567	6,318,910,872	489,754,695	7%	97.6	5	20%
El Segundo City of	1,692,179,532	1,788,496,457	-96,316,925	-6%	97.9	5	20%
Westminster City of	3,064,371,990	2,956,971,359	107,400,630	4%	98.0	5	20%
Carpinteria Valley Water District	1,160,826,158	1,028,941,051	131,885,107	11%	98.2	5	20%
Lomita City of	591,013,026	547,632,425	43,380,600	7%	98.2	5	20%
Norwalk City of	559,456,000	511,830,000	47,626,000	9%	98.6	5	20%
Mesa Water District	4,434,609,825	4,283,056,327	151,553,499	3%	99.0	5	20%
Moulton Niguel Water District	7,135,207,799	6,864,125,480	271,082,319	4%	99.2	5	20%
Santa Monica City of	3,462,200,000	3,321,100,000	141,100,000	4%	99.2	5	20%
Rowland Water District	2,857,000,142	2,756,214,295	100,785,846	4%	99.2	5	20%
Livermore City of Division of Water Resources	1,642,615,000	1,199,514,000	443,101,000	27%	100.1	5	20%
Fountain Valley City of	2,438,968,604	2,305,516,153	133,452,452	5%	100.2	5	20%
Watsonville City of	2,045,660,752	1,803,744,576	241,916,176	12%	100.3	5	20%
Lathrop, City of	1,149,290,000	990,960,000	158,330,000	14%	100.3	5	20%
Pittsburg City of	2,481,549,000	2,226,323,000	255,226,000	10%	100.4	5	20%
El Monte City of	328,279,000	312,936,000	15,343,000	5%	100.6	5	20%
Tahoe City Public Utilities District	372,523,331	326,265,848	46,257,483	12%	100.9	5	20%



Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Mid-Peninsula Water District	823,925,361	712,822,442	111,102,919	13%	101.4	5	20%
Mammoth Community Water District	499,483,000	447,407,000	52,076,000	10%	102.9	5	20%
San Gabriel County Water District	1,612,133,643	1,485,957,453	126,176,190	8%	102.9	5	20%
Helix Water District	8,454,736,636	8,067,103,778	387,632,858	5%	103.6	5	20%
Whittier City of	2,041,957,743	2,084,064,264	-42,106,521	-2%	104.2	5	20%
Great Oaks Water Company Incorporated	2,641,791,567	2,210,783,322	431,008,244	16%	104.2	5	20%
Hollister City of	832,612,930	742,476,980	90,135,950	11%	104.4	5	20%
Calexico City of	1,524,360,000	1,440,570,000	83,790,000	5%	104.6	5	20%
Lakewood City of	2,086,631,973	1,856,580,866	230,051,107	11%	105.0	5	20%
Oceanside City of	6,988,111,948	6,765,555,423	222,556,525	3%	105.1	5	20%
San Jose Water Company	36,046,000,000	31,608,300,000	4,437,700,000	12%	105.7	5	20%
Valley of the Moon Water District	800,300,880	646,691,259	153,609,621	19%	106.5	5	20%
Escondido City of	4,625,134,351	4,059,907,513	565,226,838	12%	106.7	5	20%
Fairfield City of	5,435,000,000	4,853,000,000	582,000,000	11%	106.7	5	20%
Downey City of	4,090,256,554	3,834,059,128	256,197,426	6%	106.9	5	20%
Glendale City of	6,839,188,070	6,346,086,881	493,101,189	7%	107.1	5	20%
Otay Water District	8,209,272,756	7,888,634,952	320,637,804	4%	107.1	5	20%
Marin Municipal Water District	7,006,662,670	5,966,662,221	1,040,000,448	15%	107.4	5	20%
Camarillo City of	2,747,943,839	2,399,416,293	348,527,546	13%	107.5	5	20%
California-American Water Company Sacramento District	8,801,191,649	7,285,565,423	1,515,626,225	17%	107.8	5	20%
Adelanto city of	1,091,834,544	993,603,394	98,231,150	9%	108.5	5	20%
Anaheim City of	16,337,538,847	15,992,788,037	344,750,810	2%	108.6	5	20%
Ukiah City of	678,601,000	551,722,000	126,879,000	19%	108.6	5	20%
Huntington Beach City of	7,506,541,568	7,116,888,432	389,653,136	5%	109.0	5	20%
Napa City of	3,605,871,891	3,247,435,321	358,436,570	10%	109.2	5	20%
Lakeside Water District	1,064,566,388	977,942,044	86,624,343	8%	109.3	5	20%
Padre Dam Municipal Water District	2,952,148,758	2,752,858,026	199,290,733	7%	109.4	5	20%
Crescenta Valley Water District	1,200,433,997	1,043,760,838	156,673,159	13%	109.4	5	20%
Torrance City of	3,906,665,343	3,703,464,394	203,200,950	5%	111.0	6	24%
Big Bear City Community Services District	266,135,894	256,898,007	9,237,888	3%	111.0	6	24%
Vista Irrigation District	4,896,569,394	4,632,303,886	264,265,507	5%	111.1	6	24%
Perris, City of	437,809,090	430,597,020	7,212,070	2%	111.9	6	24%
Pismo Beach City of	434,216,578	359,495,587	74,720,991	17%	113.1	6	24%
Vallecitos Water District	4,390,033,350	4,037,168,840	352,864,510	8%	116.1	6	24%
Soledad, City of	581,571,300	531,785,500	49,785,800	9%	116.7	6	24%
Manhattan Beach City of	1,219,661,891	1,153,188,200	66,473,691	5%	116.7	6	24%
Palo Alto City of	3,180,440,852	2,685,999,460	494,441,392	16%	116.8	6	24%
Gilroy City of	2,328,666,000	1,995,678,000	332,988,000	14%	117.5	6	24%



Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Humboldt Community Service District	610,120,000	573,669,000	36,451,000	6%	117.9	6	24%
Alhambra City of	2,575,148,433	2,329,573,763	245,574,669	10%	118.3	6	24%
Golden State Water Company S Arcadia	908,701,874	851,189,098	57,512,777	6%	118.5	6	24%
Orchard Dale Water District	589,289,272	550,757,340	38,531,931	7%	118.6	6	24%
Buena Park City of	3,777,921,445	3,441,805,698	336,115,747	9%	118.9	6	24%
Golden State Water Company Placentia	1,868,334,327	1,778,757,770	89,576,557	5%	118.9	6	24%
Pico Water District	1,029,001,320	960,057,631	68,943,690	7%	119.1	6	24%
Delano City of	2,386,120,000	2,229,650,000	156,470,000	7%	119.4	6	24%
El Centro City of	1,978,323,000	1,910,544,000	67,779,000	3%	119.5	6	24%
Pleasanton City of	4,439,552,000	3,099,891,000	1,339,661,000	30%	119.8	6	24%
Woodland City of	2,938,159,020	2,454,292,204	483,866,816	16%	119.8	6	24%
El Toro Water District	2,331,141,109	2,239,576,858	91,564,251	4%	119.9	6	24%
San Fernando City of	839,719,127	786,931,196	52,787,931	6%	120.3	6	24%
Suburban Water Systems San Jose Hills	7,160,122,399	6,833,016,444	327,105,955	5%	120.3	6	24%
Sunny Slope Water Company	1,052,785,122	950,022,234	102,762,888	10%	120.5	6	24%
California Water Service Company Livermore	2,781,467,781	1,909,163,511	872,304,270	31%	120.5	6	24%
Laguna Beach County Water District	872,082,691	867,064,579	5,018,112	1%	121.0	6	24%
Fortuna City of	303,008,000	276,986,000	26,022,000	9%	121.2	6	24%
Amador Water Agency	899,761,000	773,623,400	126,137,600	14%	121.5	6	24%
South Coast Water District	1,639,847,306	1,549,814,557	90,032,749	5%	121.7	6	24%
Alco Water Service	1,156,954,000	1,028,617,000	128,337,000	11%	124.2	6	24%
Monte Vista Water District	2,603,464,922	2,359,464,115	244,000,807	9%	125.0	6	24%
Golden State Water Company Barstow	1,595,531,512	1,445,509,515	150,021,997	9%	125.4	6	24%
California Water Service Company Marysville	575,127,769	496,597,575	78,530,194	14%	125.5	6	24%
Coachella City of	1,395,900,000	1,294,010,000	101,890,000	7%	125.5	6	24%
Brea City of	2,826,761,129	2,727,376,444	99,384,685	4%	125.9	6	24%
Colton, City of	2,519,711,330	2,487,549,794	32,161,536	1%	126.3	6	24%
Chino City of	3,332,449,959	3,123,999,542	208,450,416	6%	126.7	6	24%
Santa Margarita Water District	7,105,190,366	6,932,489,109	172,701,256	2%	126.8	6	24%
Reedley City of	1,302,000,000	1,109,000,000	193,000,000	15%	126.9	6	24%
Ontario City of	8,782,999,363	8,499,508,622	283,490,741	3%	126.9	6	24%
Valencia Water Company	7,817,224,611	6,780,899,767	1,036,324,844	13%	127.0	6	24%
Groveland Community Services District	127,297,632	96,625,396	30,672,236	24%	127.5	6	24%
Eureka City of	860,874,000	799,778,000	61,096,000	7%	128.1	6	24%
North Marin Water District	2,457,000,000	1,986,810,000	470,190,000	19%	129.1	6	24%
City of Newman Water Department	559,946,000	448,854,000	111,092,000	20%	129.2	6	24%
Tuolumne Utilities District	1,441,240,862	992,152,425	449,088,437	31%	129.3	6	24%
Golden State Water Company Simi Valley	1,830,698,487	1,657,215,187	173,483,300	9%	129.9	6	24%



Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Twentynine Palms Water District	666,765,336	641,552,256	25,213,080	4%	130.5	7	28%
Eastern Municipal Water District	22,059,815,756	21,154,600,492	905,215,264	4%	130.7	7	28%
South Pasadena City of	1,045,005,526	935,193,595	109,811,931	11%	131.0	7	28%
California Water Service Company Oroville	830,595,287	682,007,037	148,588,251	18%	131.6	7	28%
Healdsburg City of	540,150,000	446,810,000	93,340,000	17%	131.9	7	28%
Burbank City of	4,712,137,486	4,362,205,638	349,931,847	7%	132.2	7	28%
Arroyo Grande City of	776,210,684	654,635,517	121,575,167	16%	132.4	7	28%
San Juan Capistrano City of	2,040,416,466	1,962,283,810	78,132,655	4%	133.3	7	28%
Garden Grove City of	6,584,316,860	6,185,605,054	398,711,806	6%	133.6	7	28%
Del Oro Water Company	369,631,917	306,051,990	63,579,927	17%	134.3	7	28%
Humboldt Bay Municipal Water District	146,056,000	148,820,000	-2,764,000	-2%	134.5	7	28%
Tracy City of	4,529,625,694	3,497,663,768	1,031,961,925	23%	134.6	7	28%
Riverside City of	17,427,511,870	15,956,944,380	1,470,567,490	8%	135.3	7	28%
West Kern Water District	4,045,106,581	3,679,048,346	366,058,235	9%	135.4	7	28%
Fullerton City of	7,215,373,767	6,969,105,034	246,268,733	3%	136.8	7	28%
Lincoln Avenue Water Company	613,030,807	557,668,649	55,362,157	9%	137.2	7	28%
La Habra City of Public Works	2,397,728,848	2,535,032,864	-137,304,016	-6%	137.5	7	28%
Newport Beach City of	4,220,349,478	3,924,557,845	295,791,633	7%	137.8	7	28%
Carlsbad Municipal Water District	4,342,002,850	4,259,269,173	82,733,677	2%	138.6	7	28%
Pasadena City of	8,349,297,631	7,614,975,148	734,322,483	9%	139.0	7	28%
Truckee-Donner Public Utilities District	1,264,764,466	1,144,274,188	120,490,278	10%	139.4	7	28%
Contra Costa Water District	8,855,338,380	7,547,370,752	1,307,967,628	15%	139.9	7	28%
Shasta Lake City of	309,004,338	258,461,000	50,543,338	16%	140.2	7	28%
Suburban Water Systems Whittier/La Mirada	5,584,910,982	5,234,793,399	350,117,583	6%	141.1	7	28%
Antioch City of	4,642,068,000	4,042,923,000	599,145,000	13%	141.9	7	28%
South Tahoe Public Utilities District	1,641,227,000	1,550,474,000	90,753,000	6%	141.9	7	28%
Sonoma City of	583,798,675	494,362,234	89,436,441	15%	142.7	7	28%
San Gabriel Valley Fontana Water Company	10,907,224,816	10,188,722,419	718,502,397	7%	142.9	7	28%
West Sacramento City of	3,567,747,274	2,941,460,832	626,286,443	18%	143.0	7	28%
Tehachapi, City of	582,624,632	536,291,818	46,332,814	8%	143.7	7	28%
Davis City of	3,023,400,000	2,527,400,000	496,000,000	16%	143.9	7	28%
Benicia City of	1,543,102,018	1,217,315,761	325,786,257	21%	143.9	7	28%
California Water Service Company Dixon, City of	382,549,575	346,705,918	35,843,657	9%	144.3	7	28%
Sunnyslope County Water District	694,319,032	596,249,460	98,069,572	14%	144.6	7	28%
Roseville City of	8,448,024,096	6,930,859,852	1,517,164,244	18%	145.1	7	28%
Elk Grove Water Service	1,982,552,982	1,615,618,816	366,934,166	19%	145.3	7	28%
Paso Robles City of	1,705,474,000	1,511,094,000	194,380,000	11%	146.1	7	28%
Elsinore Valley Municipal Water District	6,567,437,756	6,285,445,931	281,991,825	4%	146.3	7	28%

Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

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	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Sacramento City of	28,979,000,000	23,440,000,000	5,539,000,000	19%	146.4	7	28%
Walnut Valley Water District	5,119,451,770	4,877,344,159	242,107,610	5%	146.4	7	28%
Rialto City of	2,544,482,555	2,596,683,954	-52,201,399	-2%	146.8	7	28%
Diablo Water District	1,487,225,000	1,338,770,000	148,455,000	10%	147.7	7	28%
Patterson City of	1,040,156,104	948,595,320	91,560,784	9%	148.3	7	28%
San Dieguito Water District	1,583,703,106	1,621,176,020	-37,472,914	-2%	148.4	7	28%
Orange City of	7,732,617,288	7,437,395,896	295,221,393	4%	148.7	7	28%
California Water Service Company Kern River Valley	222,882,376	201,376,182	21,506,194	10%	148.9	7	28%
San Bernardino City of	11,535,034,614	10,722,937,586	812,097,028	7%	149.1	7	28%
Suisun-Solano Water Authority	1,038,300,000	918,300,000	120,000,000	12%	150.0	7	28%
Cerritos City of	2,219,233,953	1,991,297,621	227,936,332	10%	153.6	7	28%
Sanger City of	1,552,776,000	1,422,246,000	130,530,000	8%	153.7	7	28%
Fresno City of	36,603,191,424	30,513,707,650	6,089,483,774	17%	154.2	7	28%
Monrovia City of	1,885,000,000	1,673,000,000	212,000,000	11%	154.6	7	28%
Covina City of	1,500,350,310	1,393,914,200	106,436,110	7%	154.7	7	28%
Lake Hemet Municipal Water District	2,880,852,466	2,579,961,258	300,891,208	10%	154.9	7	28%
Stockton City of	8,304,530,000	7,263,300,000	1,041,230,000	13%	155.0	7	28%
Jurupa Community Service District	6,546,170,411	6,107,698,865	438,471,545	7%	155.5	7	28%
Ventura County Waterworks District No. 8	5,424,122,854	4,896,895,245	527,227,609	10%	156.1	7	28%
Tustin City of	2,984,049,613	2,895,189,929	88,859,684	3%	156.5	7	28%
California-American Water Company Los Angeles District	5,579,752,754	5,179,473,602	400,279,151	7%	156.8	7	28%
San Clemente City of	2,270,663,084	2,331,434,375	-60,771,291	-3%	157.7	7	28%
Chino Hills City of	3,952,965,804	3,587,674,904	365,290,900	9%	157.8	7	28%
Rubidoux Community Service District	1,400,190,000	1,335,510,000	64,680,000	5%	157.9	7	28%
Arvin Community Services District	740,072,884	667,768,501	72,304,383	10%	157.9	7	28%
Rosamond Community Service District	719,200,000	712,000,000	7,200,000	1%	158.1	7	28%
Golden State Water Company San Dimas	3,063,589,946	2,950,649,842	112,940,105	4%	159.0	7	28%
Apple Valley Ranchos Water Company	4,101,713,205	3,942,264,436	159,448,769	4%	159.8	7	28%
Hanford City of	3,229,776,700	2,793,029,816	436,746,884	14%	160.0	7	28%
Santa Paula City of	1,218,270,506	1,081,725,724	136,544,782	11%	160.2	7	28%
Morgan Hill City of	2,262,311,000	1,786,089,000	476,222,000	21%	161.3	7	28%
North Tahoe Public Utility District	350,120,000	332,141,000	17,979,000	5%	161.7	7	28%
Atascadero Mutual Water Company	1,291,000,000	1,056,900,000	234,100,000	18%	163.0	7	28%
Thousand Oaks City of	3,106,634,920	2,792,709,655	313,925,265	10%	163.7	7	28%
Victorville Water District	4,985,852,685	4,486,322,447	499,530,238	10%	164.4	7	28%
Fillmore City of	482,079,202	446,216,000	35,863,202	7%	165.6	7	28%
Nipomo Community Services District	665,258,273	527,032,098	138,226,175	21%	165.6	7	28%
Ramona Municipal Water District	1,087,105,531	1,049,746,665	37,358,866	3%	165.9	7	28%

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Ceres City of	1,985,969,000	1,848,968,000	137,001,000	7%	166.1	7	28%
El Dorado Irrigation District	10,044,044,386	7,600,810,386	2,443,234,000	24%	166.2	7	28%
Newhall County Water District	2,611,216,927	2,326,139,289	285,077,638	11%	166.5	7	28%
California Water Service Company Willows	364,301,895	318,682,696	45,619,200	13%	168.6	7	28%
East Valley Water District	5,405,695,956	4,782,879,831	622,816,125	12%	169.4	7	28%
Joshua Basin Water District	409,078,118	382,604,644	26,473,473	6%	169.5	7	28%
Imperial, City of	687,420,000	671,127,000	16,293,000	2%	171.6	8	32%
Manteca City of	3,844,580,000	3,212,645,000	631,935,000	16%	172.0	8	32%
Ventura County Waterworks District No 1	2,688,665,294	2,241,890,403	446,774,892	17%	172.0	8	32%
Dinuba City of	1,126,830,000	977,550,000	149,280,000	13%	172.3	8	32%
Madera City of	2,268,235,000	2,115,715,000	152,520,000	7%	173.5	8	32%
California Water Service Company Los Altos/Suburban	3,714,706,268	3,136,645,836	578,060,431	16%	173.8	8	32%
Hesperia Water District City of	3,676,581,651	3,538,094,794	138,486,856	4%	174.6	8	32%
Castaic Lake Water Agency Santa Clarita Water Division	7,358,051,073	6,493,567,237	864,483,836	12%	174.8	8	32%
Brentwood City of	3,038,220,000	2,663,210,000	375,010,000	12%	174.9	8	32%
San Jacinto City of	756,372,530	651,046,816	105,325,714	14%	176.1	8	32%
La Verne City of	2,094,159,141	1,955,656,970	138,502,171	7%	176.5	8	32%
Rincon Del Diablo Municipal Water District	1,766,766,437	1,514,883,284	251,883,153	14%	179.2	8	32%
Mission Springs Water District	2,072,832,166	1,979,439,888	93,392,277	5%	179.4	8	32%
Banning City of	2,219,758,574	2,058,002,667	161,755,907	7%	179.4	8	32%
Brawley City of	1,842,390,000	1,088,690,000	753,700,000	41%	179.5	8	32%
Cucamonga Valley Water District	12,916,078,335	12,778,430,872	137,647,463	1%	180.0	8	32%
Calaveras County Water District	1,468,843,000	1,200,100,000	268,743,000	18%	180.1	8	32%
Phelan Pinon Hills Community Services District	635,139,826	675,206,517	-40,066,691	-6%	181.6	8	32%
Porterville City of	3,123,277,400	2,849,237,200	274,040,200	9%	182.0	8	32%
Sacramento County Water Agency	9,991,675,171	8,451,666,395	1,540,008,776	15%	184.3	8	32%
California-American Water Ventura District	4,397,006,571	3,988,454,052	408,552,519	9%	184.6	8	32%
Blythe City of	806,370,000	811,680,000	-5,310,000	-1%	186.1	8	32%
Yreka, City of	593,290,000	519,800,000	73,490,000	12%	186.4	8	32%
Palmdale Water District	5,291,175,472	5,010,063,446	281,112,026	5%	187.2	8	32%
Yuba City City of	4,215,490,000	3,629,080,000	586,410,000	14%	188.2	8	32%
California Water Service Company Selma	1,492,399,536	1,239,212,977	253,186,559	17%	189.2	8	32%
Western Municipal Water District of Riverside	5,887,379,311	5,683,989,367	203,389,944	3%	189.2	8	32%
Riverbank City of	860,786,846	737,503,990	123,282,856	14%	191.2	8	32%
California Water Service Company Visalia	8,033,215,230	7,144,292,537	888,922,693	11%	191.7	8	32%
Hemet City of	1,116,063,947	1,045,970,047	70,093,900	6%	192.8	8	32%
Turlock City of	5,571,505,100	4,909,059,441	662,445,659	12%	193.9	8	32%
Corona City of	8,699,410,000	8,297,070,000	402,340,000	5%	194.3	8	32%



Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved	Percent Saved	Jul-Sep 2014 R-GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)	(Jun-14 - Feb-15, compared to 2013, gallons)	(Jun-14 - Feb-15, compared to 2013)			
Trabuco Canyon Water District	764,121,596	767,705,962	-3,584,366	0%	194.9	8	32%
Triunfo Sanitation District / Oak Park Water Service	687,285,830	597,937,369	89,348,461	13%	195.6	8	32%
Lamont Public Utility District	993,121,000	914,688,000	78,433,000	8%	197.4	8	32%
California Water Service Company Bakersfield	18,863,864,960	16,841,305,153	2,022,559,807	11%	197.6	8	32%
Lemoore City of	1,967,044,000	1,783,354,000	183,690,000	9%	198.9	8	32%
Golden State Water Company Orcutt	1,941,781,239	1,705,636,709	236,144,529	12%	199.8	8	32%
Vacaville City of	4,536,829,418	3,868,833,993	667,995,425	15%	199.9	8	32%
Citrus Heights Water District	3,723,178,405	3,023,575,391	699,603,014	19%	201.4	8	32%
Poway City of	2,984,245,124	2,893,299,991	90,945,133	3%	201.7	8	32%
Livingston City of	1,870,481,000	1,810,513,000	59,968,000	3%	204.2	8	32%
Los Angeles County Public Works Waterworks District 40	12,870,711,018	11,980,791,220	889,919,798	7%	205.5	8	32%
Galt City of	1,302,667,000	1,052,546,000	250,121,000	19%	207.1	8	32%
Placer County Water Agency	7,686,123,771	6,395,079,193	1,291,044,578	17%	207.2	8	32%
Lee Lake Water District	760,491,304	738,717,756	21,773,548	3%	208.1	8	32%
San Bernardino County Service Area 70	457,322,702	431,251,330	26,071,373	6%	209.6	8	32%
California Water Service Company Chico District	6,759,462,002	5,680,893,778	1,078,568,223	16%	210.4	8	32%
Linda County Water District	971,706,000	880,037,000	91,669,000	9%	211.0	8	32%
West Valley Water District	5,029,549,361	4,747,557,536	281,991,825	6%	212.3	8	32%
Golden State Water Company Claremont	2,873,781,490	2,604,204,605	269,576,886	9%	213.2	8	32%
Folsom City of	5,476,678,514	4,592,545,306	884,133,208	16%	213.7	8	32%
Sierra Madre City of	616,142,059	546,575,118	69,566,941	11%	214.5	8	32%
Tulare, City of	4,805,328,900	4,324,313,800	481,015,100	10%	214.8	8	32%
Indio City of	5,340,000,000	5,006,100,000	333,900,000	6%	215.7	9	36%
Oakdale City of	1,417,000,000	1,139,000,000	278,000,000	20%	215.9	9	36%
Fallbrook Public Utility District	3,340,661,415	3,012,268,347	328,393,068	10%	217.3	9	36%
Kerman, City of	880,465,000	769,624,000	110,841,000	13%	217.9	9	36%
Exeter City of	600,332,681	535,287,408	65,045,273	11%	218.8	9	36%
Georgetown Divide Public Utilities District	512,901,000	410,416,000	102,485,000	20%	219.7	9	36%
Yorba Linda Water District	5,380,523,933	5,128,021,662	252,502,271	5%	220.2	9	36%
Rubio Canyon Land and Water Association	561,116,157	508,002,375	53,113,783	9%	220.8	9	36%
Sacramento Suburban Water District	9,630,759,000	8,318,514,000	1,312,245,000	14%	222.5	9	36%
Corcoran City of	1,162,447,000	950,206,000	212,241,000	18%	223.7	9	36%
Norco City of	2,009,949,357	1,856,691,656	153,257,702	8%	224.2	9	36%
Golden State Water Company Cordova	4,051,962,495	3,483,514,680	568,447,814	14%	224.5	9	36%
Monterey Park City of	649,960,000	594,880,000	55,080,000	8%	224.9	9	36%
Winton Water & Sanitary District	432,243,000	400,904,000	31,339,000	7%	228.3	9	36%
Montecito Water District	1,577,349,003	836,688,709	740,660,294	47%	228.9	9	36%
Camrosa Water District	2,469,015,365	2,141,221,863	327,793,502	13%	229.3	9	36%

Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved (Jun-14 - Feb-15, compared to 2013, gallons)	Percent Saved (Jun-14 - Feb-15, compared to 2013)	Jul-Sep 2014 R GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)					
Wasco City of	1,096,680,000	952,170,000	144,510,000	13%	231.1	9	36%
Olivenhain Municipal Water District	5,326,497,766	5,149,755,952	176,741,814	3%	232.4	9	36%
Upland City of	5,523,683,657	5,024,215,355	499,468,301	9%	234.9	9	36%
Clovis City of	6,737,008,000	6,080,852,000	656,156,000	10%	235.2	9	36%
Beverly Hills City of	2,984,049,613	2,900,957,499	83,092,114	3%	235.9	9	36%
Lodi City of Public Works Department	3,904,230,000	3,932,720,000	-28,490,000	-1%	235.9	9	36%
Los Angeles County Public Works Waterworks District 29	2,383,427,229	2,356,081,777	27,345,452	1%	236.0	9	36%
Loma Linda City of *	1,379,990,569	1,323,839,525	56,151,044	4%	236.0	9	36%
Shafter City of	1,350,000,000	1,154,000,000	196,000,000	15%	236.5	9	36%
Fruitridge Vista Water Company	1,000,084,300	823,053,400	177,030,900	18%	238.3	9	36%
Paradise Irrigation District	1,721,400,000	1,355,900,000	365,500,000	21%	240.8	9	36%
Glendora City of	3,108,798,089	3,089,127,284	19,670,805	1%	242.0	9	36%
Carmichael Water District	2,598,570,000	2,107,250,000	491,320,000	19%	242.5	9	36%
Rainbow Municipal Water District	3,976,593,060	3,760,749,074	215,843,985	5%	243.0	9	36%
Modesto, City of	15,589,770,183	13,698,086,925	1,891,683,258	12%	245.9	9	36%
Pinedale County Water District	267,792,348	224,289,932	43,502,416	16%	247.1	9	36%
Lincoln City of	2,592,190,000	2,158,050,000	434,140,000	17%	251.0	9	36%
California Water Service Company Bear Gulch	3,623,142,017	3,228,861,790	394,280,227	11%	252.5	9	36%
Los Banos, City of	2,053,870,000	1,905,101,000	148,769,000	7%	253.0	9	36%
Redding City of	7,109,010,000	5,934,100,000	1,174,910,000	17%	253.8	9	36%
Riverside Highland Water Company	971,591,200	889,248,544	82,342,656	8%	253.8	9	36%
California Water Service Company Palos Verdes	5,184,622,055	4,979,661,507	204,960,548	4%	255.4	9	36%
Olivehurst Public Utility District	1,161,641,529	959,245,393	202,396,137	17%	256.0	9	36%
San Bernardino County Service Area 64	758,722,238	679,807,540	78,914,699	10%	257.8	9	36%
Anderson, City of	572,342,000	498,676,000	73,666,000	13%	260.0	9	36%
Rio Vista, city of	641,312,000	606,333,000	34,979,000	5%	260.9	9	36%
Golden State Water Company Ojai	564,830,864	487,636,661	77,194,203	14%	261.0	9	36%
Indian Wells Valley Water District	1,861,884,000	1,789,365,000	72,519,000	4%	263.5	9	36%
Yucaipa Valley Water District	2,981,840,000	2,837,629,000	144,211,000	5%	265.1	9	36%
Casitas Municipal Water District	777,155,653	678,096,820	99,058,834	13%	265.7	9	36%
Nevada Irrigation District	2,750,729,000	2,339,997,000	410,732,000	15%	267.8	9	36%
Beaumont-Cherry Valley Water District	3,172,199,486	3,139,252,648	32,946,838	1%	269.7	9	36%
East Niles Community Service District	2,504,168,216	2,213,508,744	290,659,473	12%	271.8	9	36%
Fair Oaks Water District	3,068,959,978	2,450,034,519	618,925,459	20%	274.1	9	36%
Discovery Bay Community Services District	986,000,000	808,000,000	178,000,000	18%	276.3	9	36%
Rio Linda - Elverta Community Water District	770,017,391	629,595,315	140,422,076	18%	278.1	9	36%
East Orange County Water District	247,060,552	225,554,358	21,506,194	9%	278.2	9	36%
Bakersfield City of	11,705,594,680	10,744,390,565	961,204,114	8%	279.9	9	36%

Urban Water Suppliers and Regulatory Framework Tiers to Achieve 25% Use Reduction

Supplier Name	Total Water Production		Total Water Saved	Percent Saved	Jul-Sep 2014 R- GPCD	Tier	Conservation Standard
	2013 (Jun - Feb)	2014/15 (Jun-14 - Feb-15)	(Jun-14 - Feb-15, compared to 2013, gallons)	(Jun-14 - Feb-15, compared to 2013)			
Valley Center Municipal Water District	6,829,813,325	6,798,466,417	31,346,907	0%	291.2	9	36%
Red Bluff City of	904,393,249	764,891,212	139,502,037	15%	294.3	9	36%
California Water Service Company Antelope Valley	186,061,165	216,691,199	-30,630,034	-16%	296.7	9	36%
Merced City of	6,872,130,000	6,271,910,000	600,220,000	9%	298.8	9	36%
Bakman Water Company	1,032,655,497	893,235,946	139,419,551	14%	302.2	9	36%
Las Virgenes Municipal Water District	5,714,163,209	5,470,784,778	243,378,431	4%	304.8	9	36%
Oildale Mutual Water Company	2,485,920,537	2,317,129,497	168,791,039	7%	306.4	9	36%
California City City of	1,192,746,563	1,264,824,899	-72,078,336	-6%	307.0	9	36%
Atwater City of	2,358,960,000	1,821,770,000	537,190,000	23%	308.1	9	36%
Redlands City of	7,033,861,488	6,969,114,810	64,746,679	1%	313.2	9	36%
Ripon City of	1,431,002,833	1,223,409,134	207,593,699	15%	316.1	9	36%
Arcadia City of	4,352,404,027	4,033,916,843	318,487,185	7%	318.5	9	36%
Hillsborough Town of	877,331,034	658,647,771	218,683,262	25%	324.5	9	36%
Quartz Hill Water District	1,430,054,382	1,276,190,597	153,863,785	11%	326.9	9	36%
Madera County	891,468,716	660,496,910	230,971,806	26%	328.1	9	36%
Orange Vale Water Company	1,274,470,101	1,008,190,832	266,279,269	21%	332.3	9	36%
Kingsburg, City of	1,009,319,000	825,793,000	183,526,000	18%	332.5	9	36%
California Water Service Company Westlake	2,085,449,133	1,928,388,745	157,060,388	8%	336.7	9	36%
Rancho California Water District	16,377,618,572	16,074,902,597	302,715,976	2%	349.1	9	36%
Susanville City of	560,250,000	602,070,000	-41,820,000	-7%	382.7	9	36%
Bella Vista Water District	3,596,422,200	1,864,847,717	1,731,574,483	48%	386.3	9	36%
Valley Water Company	999,093,060	898,861,161	100,231,899	10%	401.2	9	36%
Golden State Water Company Cowan Heights	703,676,157	691,163,462	12,512,695	2%	401.6	9	36%
Desert Water Agency	8,823,730,792	8,310,188,943	513,541,849	6%	416.0	9	36%
South Feather Water and Power Agency	1,435,400,000	1,292,100,000	143,300,000	10%	466.1	9	36%
Coachella Valley Water District	28,323,853,249	27,188,261,025	1,135,592,223	4%	475.1	9	36%
San Juan Water District	3,594,268,324	2,773,624,539	820,643,785	23%	476.8	9	36%
Vaughn Water Company	3,206,837,858	2,989,389,519	217,448,339	7%	507.0	9	36%
Serrano Water District	829,682,903	749,230,186	80,452,717	10%	539.2	9	36%
Santa Fe Irrigation District	2,820,156,121	2,869,480,251	-49,324,131	-2%	604.7	9	36%
Myoma Dunes Mutual Water Company	757,700,108	707,153,944	50,546,164	7%	613.7	9	36%

3. On April 1, 2015, the Governor issued an Executive Order directing the State Board to impose restrictions to achieve a statewide 25% reduction in potable urban water use through February 2016.

DRAFT

RESOLUTION 14-18 REVISED

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE NORTH MARIN WATER DISTRICT  
IMPLEMENTING THE STATE WATER RESOURCES CONTROL BOARD'S MANDATE ON  
URBAN WATER SUPPLIERS TO ACTIVATE THOSE PORTIONS OF THEIR WATER  
SHORTAGE CONTINGENCY PLANS RELATED TO MANDATORY RESTRICTIONS ON  
OUTDOOR WATER USE.**

**WHEREAS**, pursuant to California Water Code Section 102, all water in the state is the property of the people of the state; and

**WHEREAS**, the State Resources Control Board (State Board) is the agency tasked with issuing and monitoring permits to urban water suppliers and others to appropriate water statewide and determining the amount, purpose, place and beneficial use of that water. The North Marin Water District (District) is the beneficiary of multiple State Board permits which authorize the appropriation of waters of the state; and

**WHEREAS**, Water Code Section 10617 defines "urban water supplier" as a supplier for municipal purposes that serves 3,000 customers or more than 3,000 acre feet annually. Pursuant to Section 10617, the District is an urban water supplier; and

**WHEREAS**, on July 15, 2014, the State Board adopted Article 22.5 entitled "Drought Emergency Water Conservation Regulations" (California Code of Regulations, Title 23, sections 863, 864, and 865) which makes drought related findings and imposes mandatory requirements on urban water suppliers state-wide; and

**WHEREAS**, on March 17, 2015 <sup>and May 5, 2015</sup> the State Board amended and re-adopted the Drought Emergency Water Conservation Regulations.

**WHEREAS**, Section 863 of Article 22.5 made the following factual findings related to the current state of drought in California and the Governor's proclamations of emergency related thereto:

1. On January 17, 2014, the Governor proclaimed a state of emergency under the California Emergency Services Act (Act) based on drought conditions;
2. On April 25, 2014, the Governor issued a proclamation of continued state of emergency under the Act based on continued drought conditions existing statewide;
3. The drought conditions forming the base of the Governor's proclamations still exist;
4. The present year is critically dry and has been immediately preceded by two or more consecutive below normal, dry, or critically dry years; and
5. The drought conditions will likely continue for the foreseeable future and additional action by both the State Water Resources Control Board and local water suppliers will likely be necessary to further promote conservation.



**WHEREAS**, Section 864 of Article 22.5 promotes conservation by prohibiting the following outdoor activities, except where necessary to address an immediate health and safety need or to comply with a term or condition in a permit issued by a state or federal agency;

1. The application of potable water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures;
2. The use of a hose that dispensed potable water to wash a motor vehicle, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use;
3. The application of potable water to driveways and sidewalks;
4. The use of potable water in a fountain or other decorative water feature, except where the water is part of a recirculation system;
5. The application of potable water to outdoor landscapes during and within 48 hours after measurable rainfall; and
6. The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;
- 4.7. To promote water conservation, operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guestroom using clear and easily understood language.

**WHEREAS**, Section 865 of Article 22.5 requires urban water suppliers state-wide to:

1. Implement all requirements and actions of the stage of its water shortage contingency plan that ~~includes~~ imposes mandatory restrictions on ~~the number of days that~~ outdoor irrigation of ornamental landscapes or turf with potable water ~~is allowed, or shall amend its water shortage contingency plan to include mandatory restrictions on the number of days that outdoor irrigation of ornamental landscapes or turf with potable water is allowed and implement these restrictions within forty-five (45) days;~~
- 1.2. Provide prompt notice to a customer whenever the supplier obtains information that indicates that a leak may exist within the end-users exclusive control;
- 2.3. Prepare and submit to the State Board by the 15<sup>th</sup> of each month a monitoring report that includes the amount of potable water produced, including potable water provided by a wholesaler, in the preceding calendar month compared to the amount produced in the same calendar month in 2013 and estimate the gallons of water per person per day used by the residential customers it serves. The monitoring report



shall specify the population served by the urban water supplier, the percentage of water produced that is used for the residential sector, descriptive statistics on water conservation compliance and enforcement efforts, and the number of days that outdoor irrigation is allowed.

**NOW, THEREFORE, THE BOARD OF DIRECTORS RESOLVES AS FOLLOWS:**

~~1. The District's Water Shortage Contingency Plan is revised to require that Residential and Commercial irrigation shall be prohibited except on specific days and times as set forth by resolution of the Board of Directors.~~

1.2. The District's existing Regulation 15, section b. (Water Conservation - Novato Service Area), Regulation 17, Section b (Water Conservation - West Marin Service Area) and Emergency Water Conservation Ordinance No. 28, enacted on April 1, 2014, contain prohibitions on those uses contained in Section 864 of Article 22.5, and remains in effect.

2.3. The following use (s) is declared to be non-essential and is prohibited:

a. Watering of any lawn, garden landscaped area, tree, shrub or other plant except from a handheld hose equipped with an automatic shut-off nozzle, container or drip irrigation system. Overhead sprinkler irrigation can be used no more than three (3) days per week (Odd numbered street addresses are authorized to irrigate on Monday, Wednesday and Friday and even numbered street addresses are authorized to irrigate on Tuesday, Thursday and Saturday) if customer maintains an overall 2025% reduction in water use compared to the corresponding billing period in 2013 (Customers using less than 300 gallons per day are permitted to water their landscapes without the required 2025% reduction), and properly operates the irrigation system in a non-wasteful manner between the hours of 7:00 p.m. and 9:00 a.m. the next day. If overhead sprinkler water is used in a wasteful manner, the General Manager may prohibit sprinkling by that customer. Exemptions may be granted for irrigation of commercial or government owned recreational landscape areas provided a 25% reduction in water use compared to the corresponding billing period in 2013 is maintained.

24%

b. Watering any turf on public street medians with potable water.

a.c. Watering any landscape in homes and buildings constructed after April 1, 2015 with potable water except where drip or micro spray irrigation is used.

3.4. In response to the mandate in Section 865 in Article 22.5, the Board directs staff to implement those water conservation measures governing restrictions on outdoor water use described above. In addition, the Board leaves in full force and effect Regulation 15, Section b., Regulation 17, Section b. and Emergency Water Conservation Ordinance No. 28. These will ensure continued water conservation on compliance with the mandate contained in Article 22.5. Enforcement will be in

accordance with existing provisions of Regulation 15, Section b., and Emergency Water Conservation Ordinance No. 28.

4.5. The Board directs staff to comply with the reporting requirements noted in Section 865 or Article 22.5.

5.6. The provisions of this Resolution shall remain in effect as long as Article 22.5 remains in effect.

\* \* \* \* \*

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of NORTH MARIN WATER DISTRICT at a regular meeting of said Board held on the ~~fifth~~ nineteenth ~~twenty first~~ May of August 2014 ~~April~~ 2015, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

---

Katie Young, District Secretary  
North Marin Water District

(SEAL)

16



**DISBURSEMENTS - DATED APRIL 30, 2015**

Date Prepared 4/28/15

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

Seq	Payable To	For	Amount
P/R*	Employees	Net Payroll PPE 4/15/15	\$123,273.71
EFT*	US Bank	Federal & FICA Taxes PPE 4/15/15	53,592.58
EFT*	State of California	State Taxes & SDI PPE 4/15/15	9,400.88
1		Vision Reimbursement	65.46
2	Automation Direct	RTU Interface Panel	324.00
3	Bay Area Traffic Solutions	Traffic Plans (Novato Blvd)	300.00
4	Blastco	Progress Pymt #6: Atherton Tank Rehabilitation Project (Balance Remaining on Contract \$611,221)	120,555.00
5	Bold & Polisner	March Legal Fees	1,081.50
6	Breakstone, Paul	Novato "Toilet Rebate" Program	200.00
7	Brescia, Lewis & Judith	Refund Overpayment on Closed Account	73.38
8	Buss, Franklin	Novato "Hot Water Recirculation System" Rebate Program	75.00
9	CalPERS	Health Insurance Premium (Employees \$52,319, Retirees \$9,891 & Employee Contrib \$12,359)	74,569.44
10	Caplan, Irwin	Novato "Washer Rebate" Program	50.00
11	Choo, Yung	Novato "Cash for Grass Rebate" Program	400.00
12	Corda, Jeff	Exp Reimb: Water Treatment Training & Manual	113.68

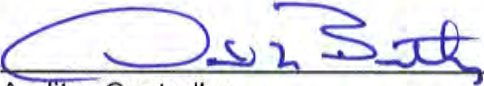
Seq	Payable To	For	Amount
13	Core Utilities	Consulting Services: March IT Support (\$5,000), Program PRTP PLC, Gallagher Well Integration, RWF & SCADA (\$2,425), Integration of Deer Island RWF Operation (\$1,575), Core Billing & Annual Water Cost Calculator (\$1,050) & New Camera/Security Set-up (\$275)	10,325.00
14	Dawson, Christopher	Novato "Toilet Rebate" Program	300.00
15		Cafeteria Plan: Uninsured Medical Reimbursement	476.45
16	Dell Computers	Replacement PC's (DeGabriele, Young, Solar & Mello)	2,656.83
17	Evoqua Water Technologies	Service on Deionization System	300.82
18	Fisher Scientific	Powder Dispensers (4) (\$75), Flask (\$158) & Sodium Carbonate (Lab)	331.31
19	Galliani, Melissa	Novato "Washer Rebate" Program	50.00
20	Grainger	Shop Vac Filters (5) (\$86), Steel for Shop & Bungee Straps (50) (\$85)	203.34
21	Harris, Jill	Novato "Washer Rebate" Program	50.00
22	High-Purity Standards	Chlorite (1,000 ml) (Lab)	51.08
23	InfoSend	March Processing Fee for Water Bills (\$1,493), Postage (\$4,275) & Programming Fee - Reiminder Notice Verbiage Change (\$150)	5,918.36
24	Intellaprint Systems	Quarterly Maintenance on Engineering Wide Carriage Scanner/Copier (1/1/15-3/31/15)	417.00
25	Johnson, Jean	Novato "Cash for Grass Rebate" Program	400.00
26		Cafeteria Plan: Uninsured Medical Reimbursement	54.20
27	MacArthur	AquadaPoxy A-6 Quart Kit (2 pints)	87.13
28		Cafeteria Plan: Uninsured Medical Reimbursement	284.45


Seq	Payable To	For	Amount
29	McLellan, WK	Misc Paving	2,477.19
30	Mitch's Certified Classes	Registration-Backflow Assembly Testers Workshop on 4/3/15 in Antelope, CA (Kurfirst)	200.00
31	Mitchell, Russ & Associates	Recycled Water On-Site Retrofit Design Work (Balance Remaining on Contract \$10,485)	260.00
32	Mutual of Omaha	May Group Life Ins Premium	752.25
33	Neopost USA	Quarterly Postal Meter Rental (5/1/15-7/31/15)	234.34
34	Novato Toyota	Air Filter, Oil Filter, Motor Oil (4 qts) & Battery (\$185) ('09 Toyota Prius)	277.19
35	Novato Sanitary District	Inter Agency Agreement for Recycled Water Section D-3	20.00
36	Office Depot	Quarterly Office Supply Order: Pencils, Folders (650) (\$166), Mousepads, Pens (216) (\$231), Post-it Disp, Monitor Stand (\$38), Memory Cards (2) (\$52), Laser Paper (250-11" x 17") (\$47), Calc Tape (4), Poster Frames (2-24" x 36") (\$106), Chairmats (5) (Pecunia, Grisso, Freeman, Kauwe & McIntyre) (\$356) & Chair (\$298) (Lab)	1,683.10
37	Pace Supply	12" Flanges (2) (\$1,495), Nipples (23) (\$231), Valves (3) (\$381), Nut & Gasket Kit (18) (\$170) (Less Credit of \$99)	2,178.70
38	Parkinson Accounting Systems	March Accounting Support	97.50
39	Point Reyes Prop Mgmt Assn	April HOA Fees (25 Giacomini Rd)	75.05
40	Protection Engineering	Primer (16 qts)	345.31
41	Pumping Solutions	Parts & Labor to Rebuild Air Powered Ditch Pump	688.06
42	Rauch Communication Consultant	Graphic Design for Recycle Water Program Central Service Area Pipeline	527.00
43	Red Wing Shoe Store	Safety Boots (Jeff Corda)	200.00
44	Rogers Machinery	Air Filters (6)	274.75
45	Sekigahama, Linda	Novato "Washer Rebate" Program	50.00

Seq	Payable To	For	Amount
46	Selle, James	Novato "Toilet Rebate" Program	196.00
47	Shamsavari, Manuchehr & Heshmat	Novato "Washer Rebate" Program	50.00
48	Sierra Chemical	Chlorine (2 tons)	1,013.33
49	Sonoma County Water Agency	March Contract Water	241,718.44
50	SPG Solar	March Energy Delivered Under Solar Services Agreement	11,351.85
51	Streakwave Wireless	Airbase, Pacheco Tank Radios (4)	593.61
52	Sugarman, Nancy	Novato "Toilet Rebate" Program	100.00
53	Syar Industries	Asphalt (6 tons)	678.89
54	Tamagno Green Products	Sludge Removal (STP) (28 yds)	1,860.00
55	Tom, Stephen	Novato "Toilet Rebate" Program	400.00
56	Township Building Services	March Janitorial Services	1,822.84
57	USA BlueBook	Sludge Measuring Tool (2) (\$260), Disposable Wipes (1,960) (\$118), Hand Sanitizer (5-12 oz, 10-2oz Bottles) (STP)	484.56
58	U.S. Bank Card	Architectural Graphics Standards Book (\$29) (Cantiller), Craigslist Laborer Job Posting (3) (\$225), ACWA Conf Reg & Luncheons (\$635) (Bentley), Airfare for ACE Conference (\$154) (Clark), Coat Rack (\$69) (Acctg), Facebook Ads for Laborer & FSR Positions (\$60), Lodging for Employee Attending Backflow Training Course (\$104) (Kurfist), Lead Fuses (12) (\$20) & Business Lunches (2) (DeGabriele) (\$65)	1,360.88
59	Verizon California	DSL Line & Leased Lines	876.12
60	Vitorell, Theresa	Refund Overpayment on Closed Account	338.83
61	Waller, Craig	Novato "Toilet Rebate" Program	100.00
62	Westphal, Ewald	Novato "Toilet Rebate" Program	100.00

Seq	Payable To	For	Amount
63	Zalewski, Sheridan	Refund Alternative Compliance Reg 15 Deposit	945.00
<b>TOTAL DISBURSEMENTS</b>			<b><u>\$680,311.39</u></b>

The foregoing payroll and accounts payable vouchers totaling \$680,311.39 are hereby approved and authorized for payment.


4/28/15  
 Auditor-Controller
 Date


4/27/2015  
 General Manager
 Date

## **DISBURSEMENTS - DATED APRIL 23, 2015**

Date Prepared 4/21/15

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

<u>Seq</u>	<u>Payable To</u>	<u>For</u>	<u>Amount</u>
EFT*	US Bank	April Bank Analysis Charge (Lockbox \$912, Credit Card Processing \$701 & Other \$641) (Less Interest Credit of \$252)	\$2,002.87
1	AAA Business Interiors	Swing Arm for PC Monitor (Landeros)	\$134.69
2	AC3	Annual Boom/Crane Certification (4)	1,000.00
3	All-American Printing Services	Customer Service Questionnaires (600)	140.26
4	All Star Rents	Concrete Saw Rental (1 Day)	88.99
5	Alpha Analytical Labs	Lab Testing	144.00
6	American Family Life Ins	April Employee Contribution for Accident, Disability & Cancer Insurance	4,100.79
7	Aramark Uniform Services	Refund Duplicate Payment - Reimb for Hydrant Damage @ 396 Bel Marin Keys Blvd	1,427.37
8	AT&T	Leased Lines	64.58
9	AT&T	Voice Lines	34.87
10	Au Energy	Refund Excess Advance for Construction Over Actual Job Cost & Overpayment on Fixed Charges (Shell Station-2085 Novato Blvd)	19,499.44
11	Automation Direct	RTU Parts	251.00
12	Bank of Marin	Bank of Marin Loan Principal & Interest (Pymt 42 of 240)	46,066.67
13	Borok, Ben	Claim Settlement - Reimbursement for Plumbers Cost Incurred to Replace Damaged Hose Bib Allegedly Broken by District Crew	197.00
14	CalPERS Retirement System	Pension Contribution PPE 4/15/15	43,748.31
15	Clipper Direct	Commuter Benefit Program (2)	186.00

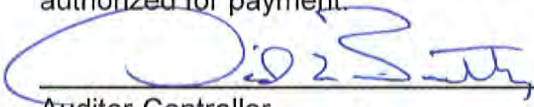
Seq	Payable To	For	Amount
16	Comcast	April Office Internet Connection	149.02
17	Contractor Compliance & Monitoring	Monitor Labor Compliance for Atherton Tank Rehab Project (Balance Remaining on Contract \$6,500)	3,250.00
18	Doyle, Robert T.	Wage Assignment Order	24.26
19	Environ Lab Accreditation Prog	Annual Lab Accreditation	3,263.00
20	Environmental Express	Sample Bottles (8) (Lab)	181.44
21	Fisher Scientific	Reagents (Lab)	154.14
22	Gaya, DB	Progress Pymt#4: Tank Coating Inspection for Atherton Tank Rehab (Balance Remaining on Contract \$13,620)	7,600.00
23	GHD	Engineering Services: NMWD Aqueduct Relocation (Balance Remaining on Contract \$26,493)	176.00
24	Golden Gate Petroleum	Hydraulic Fluid (5 gal), Gas (\$2.76/gal) & Diesel (\$2.66/gal) (\$3,662)	3,757.49
25	Grainger	Camera Security Surveillance Signs (4) (\$86), Screwdrivers (9) (\$48), Ear Muffs (2) (\$47), RWF Compressors (2) (\$257), Pressure Transducer Cable Connectors (2) (\$80), Replacement Pump (Hayden P/S #2) (\$2,467), Pressure Transducer (\$221) & Hydraulic Power Unit for Dump Bed ('99 F350 Dump Truck) (\$516)	3,776.33
26	Hach	Sodium Persulfate (5 gal) (\$250) & Silicone Oil (5 15ml) (STP)	344.22
27	Irish & Son Welding	Welding Services	720.00
28		Cafeteria Plan: Uninsured Medical Reimbursement	66.65
29	Kraft, Mary Beth	Novato "Toilet Rebate" Program	100.00
30		Cafeteria Plan: Childcare Reimbursement	624.99
31	Marinscope	Water Conservation Program Ad on 2/25/15	146.00

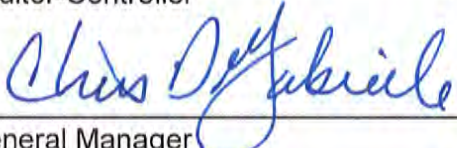
Seq	Payable To	For	Amount
32	Marshall, Kathy	Novato "Toilet Rebate" Program	300.00
33	McLellan, WK	Misc Paving	13,321.33
34	Metrohm USA	MSM Connector Plate for IC Instrument (Lab)	539.75
35	Moehnke, Ted & Betty	Novato "Toilet Rebate" Program	184.99
36	On Line Resource	Refund Overpayment on Closed Account	43.13
37	Pace Supply	Cross Brass (2), Bushings (2) & Fire Hydrant Extensions (2) (\$199)	232.79
38	Pape Machinery	Door Opener Cylinder ('04 JD Backhoe)	198.73
39	Peterson Trucks	Diagnose Starter & Repair ('07 Intl 4300)	724.30
40	Pratt, Henry	12" Tilting Disc Check Valve (Zone A Pressure Improvements)	4,116.00
41	Protection Engineering	Coal Tar Tape (6" x 50') (32 rolls)	1,058.96
42	Redwood Empire Chapter of Maintenance Supervisor Assoc.	Workshop on 5/6/15 in Rohnert Park (Clark & Arendell)	50.00
43	Staples Business Advantage	Foot Warmer (\$89) (Mello) & Copy Paper (Letter-60 reams \$224 & Tabloid 5 reams)	363.30
44	State Water Resources Control	D2 Operator Certification Renewal (Ramudo) (Budget \$0) (9/15-8/18)	80.00
45	St James Napa Development	Replacement Check - Original Lost in Mail	66.35
46	TelePacific Communications	April Telephone Charges	500.84
47	Thomas Scientific	Ceramic Marking Ink, Safety Gloves (20) (\$87), Duo Spore Strips & Growth Media Tubes (\$110) (Lab)	244.99
48	Ultra Scientific	Mineral Samples (Lab)	220.35
49	Univar	Caustic Soda (25,537 lbs) (STP)	5,623.14
50	Verizon California	Leased Lines	250.77
51	Wyley, Gale	Novato "Toilet Rebate" Program	100.00



Seq	Payable To	For	Amount
52	Youngswick, Cathey & Fred	Novato "Toilet Rebate" Program	100.00
		<b>TOTAL DISBURSEMENTS</b>	<b><u>\$171,740.10</u></b>

The foregoing payroll and accounts payable vouchers totaling \$171,740.10 are hereby approved and authorized for payment.

 4/20/15  
 Auditor-Controller Date

 4/20/2015  
 General Manager Date

# Eco-Friendly Garden Tour

SONOMA COUNTY & NORTH MARIN

**FREE**

SATURDAY MAY 16, 2015 • 10AM - 4PM



## ABOUT THE TOUR

This annual self-guided tour promotes sustainable landscaping practices by showcasing inspiring home gardens throughout Sonoma County and North Marin.

At each location a professional landscaper, designer or homeowner will be available to provide information on the garden and answer questions.

## SUSTAINABLE LANDSCAPING PRACTICES

- ✧ Appropriate plant selection
- ✧ Waste reduction and recycling
- ✧ Water, energy and topsoil conservation
- ✧ Integrated pest management
- ✧ Stormwater capture and infiltration
- ✧ Graywater reuse
- ✧ Food production
- ✧ Wildlife habitat enhancement and protection

Registration is required, however there is no charge to attend. Please visit:

[www.savingwaterpartnership.org](http://www.savingwaterpartnership.org)



# Community Meeting

## NOVATO FLOOD PROTECTION AND WATERSHED PROGRAM

### FEATURING HISTORICAL ECOLOGY OF LOWER NOVATO CREEK

Thursday, May 14, 2015 7:00 p.m. to 8:30 p.m.

Auditorium at the Marin Humane Society

171 Bel Marin Keys Blvd., Novato



Please join staff from Marin County's Novato Watershed Program and scientists from the San Francisco Estuary Institute for an introduction to the Novato Watershed Program and an intriguing presentation on the historical ecology of lower Novato Creek and surrounding baylands.

- ♦ Meet staff and neighbors and learn about efforts underway to improve the level of flood protection
- ♦ Discover how historic conditions may affect current and future flood control actions and habitat restoration
- ♦ Learn about the Novato Watershed Program and how to become involved

Visit [www.marinwatersheds.org/novato.html](http://www.marinwatersheds.org/novato.html) for more information or contact Laurie Williams, Senior Watershed Planner at 415.473.4301 or [lwilliams@marincounty.org](mailto:lwilliams@marincounty.org).

The Novato Flood Protection and Watershed Program is an innovative collaboration of Marin County Public Works, City of Novato, North Marin Water District, Novato Sanitary District, and Flood Control Zone #1.

All public meetings and events sponsored or conducted by the County of Marin are held in accessible sites. Requests for accommodations may be made at least four work days in advance of the event by calling (415) 473-4381 (voice/TTY) or 711 for the California Relay Service or by emailing [disabilityaccess@marincounty.org](mailto:disabilityaccess@marincounty.org). Copies of documents are available in alternative formats upon written request.

[www.marinwatersheds.org/novato.html](http://www.marinwatersheds.org/novato.html)





**NORTH MARIN  
WATER DISTRICT**

Transmitted via email to [laurie.taul@waterboards.ca.gov](mailto:laurie.taul@waterboards.ca.gov)

999 Rush Creek Place  
P.O. Box 146  
Novato, CA 94948

April 30, 2015

**PHONE**  
415.897.4133

**FAX**  
415.892.8043

**EMAIL**  
[info@nmwd.com](mailto:info@nmwd.com)

**WEB**  
[www.nmwd.com](http://www.nmwd.com)

Laurie Taul  
San Francisco Regional Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Re: Renewal of Conditional for Waiver of Waste Discharge Requirements  
Existing Dairies

Dear Ms. Taul:

The North Marin Water District (NMWD) owns and operates Stafford Lake for the production of potable water supplies to the community of Novato in northern Marin County. NMWD encourages property owners on the Stafford Lake watershed to use best management practices (BMP's) and ensure the highest level of water quality in the Stafford Lake water supply. Over the past 20 years NMWD has partnered with watershed ranchers and property owners to develop and implement projects to control, contain and manage waste from confined animal facilities (CAF). As part of NMWD's ongoing efforts, water quality samples are collected on the Stafford Lake watershed and used to focus project efforts on the highest nutrient sources. While NMWD has funded several projects to mitigate the nutrient in runoff from these sites we cannot fund all of the necessary work required to eliminate the runoff.

NMWD attended the March 13, 2015 stakeholder meeting in Petaluma, pertaining to CAF fees. NMWD is concerned that the proposed fees may not result in on-site project funding for improvement projects that these ranchers have identified and need. It does not appear that the proposed additional fees and Water Board over-sight will do anything to help resolve the known CAF waste control issues.

NMWD is interested in continuing to assist neighboring ranchers and property owners to plan and implement BMP's to reduce nutrient in runoff resulting from CAF, but recognizes that a funding source is necessary to help pay for the improvement projects. In a recent report in the Point Reyes Light

newspaper one of the ranchers on the Stafford Lake watershed stated: "he didn't anticipate doing things differently," which means we should not expect a reduction in nutrient loading from waters entering Stafford Lake from that location.

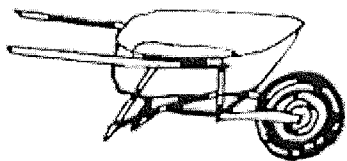
Please accept these comments, consider targeting the proposed fees for water quality improvements and advise of other potential funding strategies that NMWD and the Stafford Lake watershed property owners may utilize to reduce nutrient laden runoff.

Sincerely,



Chris DeGabriele  
General Manager

Cc:  
Dominic Grossi  
Nancy Scolari, Marin RCD  
Steve Kinsey, Marin County Supervisor



# INVERNESS ALMANAC

## VOLUME ONE - NOW AVAILABLE

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# POINT REYES LIGHT

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## Water regs still clarifying

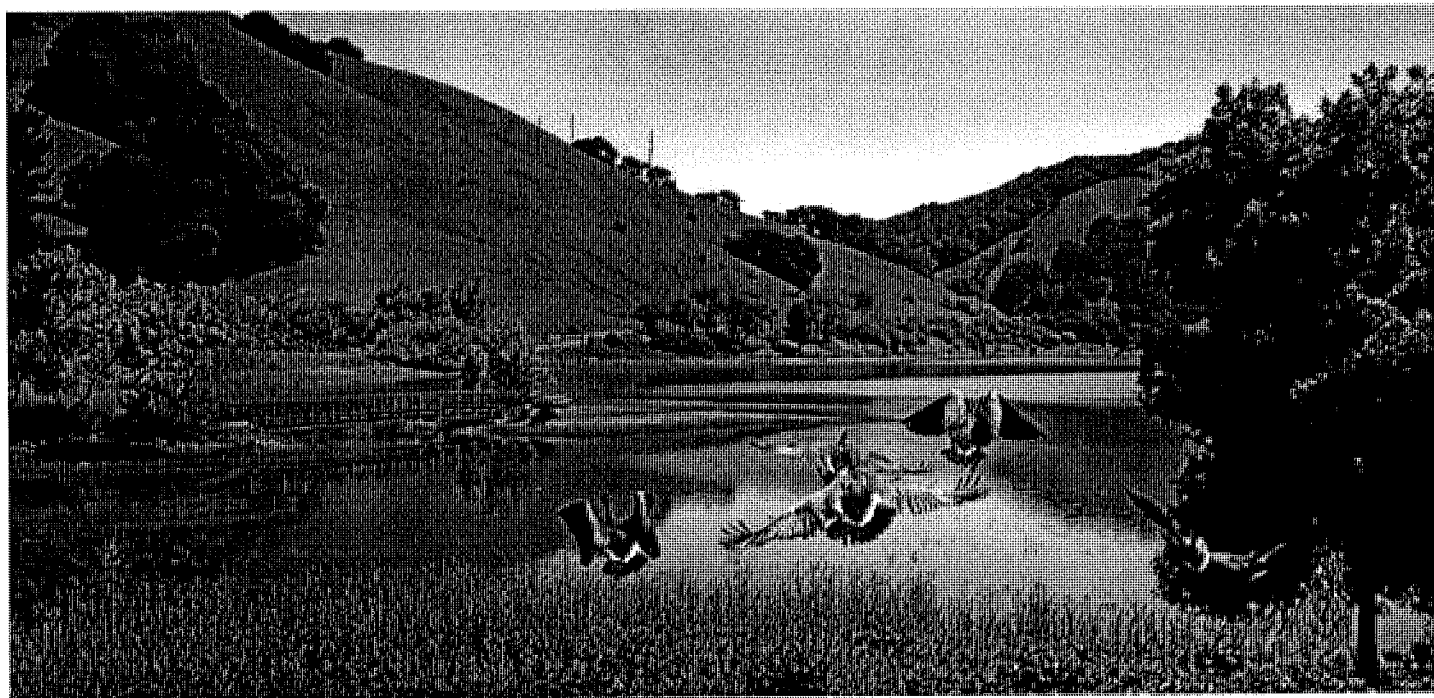
By Beau Evans

04/23/2015

West Marin's two largest water agencies—Marin Municipal and North Marin Water Districts—received new draft regulations this week from the State Water Resources Control Board regarding the percentage of water usage their service areas will have to reduce. But just as the board handed down its regulations, an Orange County court issued a ruling that could hamper attempts by local California agencies to disincentivize large water use. The Fourth District Court of Appeal ruled that charging heavy water users higher rates not tied to higher water costs in San Juan Capistrano violated California law, and in doing so set a potential precedent regarding tiered water-rate charges. Tiered charges are a major tool agencies have used to curb water usage during the drought, as higher charges for big consumers are intended to discourage excessive residential consumption. North Marin charges different rates for users in West Marin than it does in Novato, the district's two service areas. The areas have separate water supply and distribution systems, said the district's manager, Chris DeGabriele, who noted that it is too early to tell what implications the court's ruling may have on West Marin. The district's attorney is currently reviewing the ruling. Marin Municipal charges one tiered rate structure for its service areas, including West Marin's San Geronimo Valley. The court ruling and the water board's latest regulations follow an executive order issued earlier this month by Governor Jerry Brown, who called for a mandatory 25 percent reduction in urban water use across the state. This week, the board released draft regulations that widened the range of percentages under which local agencies must meet certain benchmarks for cutting back water use as compared to 2013. The cutbacks range from 4 percent to 36 percent, depending on the size of the agency and the amount of water its clients consume. To set benchmarks, the board computed a metric of percentages based on daily per-person water usage from July to September of 2014. North Marin will have to reduce water use by 24 percent compared to 2013. As of February, West Marin's share of the North Marin is down 18 percent, though Mr. DeGabriele noted that water use in March increased slightly. He encouraged local customers to limit outdoor water use while the district awaits final regulations from the state. "To me, this is still a work in progress," he said. "We're better off to wait to see what's adopted." Marin Municipal, meanwhile, has reduced its water consumption by 15 percent since 2013 and will have to reach a 20 percent benchmark by next year. That district adopted a 25 percent voluntary water reduction in January 2014 and abides by similar water-use prohibitions as North Marin, including no irrigation between 9 a.m. and 7 p.m., no watering of sidewalks or driveways and no hoses without shut-off nozzles. "It's not a huge reach for us to get there," said Libby Pischel, Marin Municipal's spokesperson. "We expect that we'll be able to meet the requirement from the state." The state board will hold a hearing and adoption of the draft regulations on May 5.



# Water partnership asks state to let Marin, Sonoma work together on drought



**Stafford Lake near Novato is nearly full, and all together, the Marin water districts' main reservoirs are at 90 percent of capacity. Water agencies and municipalities in Marin and Sonoma counties would like to join forces to conserve water.** Robert Tong — Marin Independent Journal

*By Mark Prado, Marin Independent Journal*

POSTED: 04/23/15, 5:37 PM PDT | UPDATED: 5 DAYS AGO# COMMENTS

Water agencies in Marin and Sonoma counties want to join forces to battle the drought.

The move is in response to new requirements being considered by the state Water Resources Control Board. Earlier this month, the board issued preliminary guidelines that would require the North Marin Water District in Novato to cut water use by 24 percent. The Marin Municipal Water District would have to cut use by 20 percent.

But in its most recent iteration of water-cutting rules, the state board left open the possibility of the region banding together to save water. As it so happens, the region established the Sonoma-Marín Saving Water Partnership in 2010. The group includes nine North Bay cities and water districts that use Russian River water, including the two Marin water agencies.

Chris DeGabriele, general manager for the North Marin district who also serves as an official with the partnership, wrote a letter Wednesday to the state board on behalf of the group asking that it be allowed to be considered as one as it works to conserve water.

“We have been working on conservation as a group for some time,” DeGabriele said Thursday. “We think it would be easier to get that message out and to get more done as a group.”

In response to drought conditions in 2013, the partnership asked people to save 20 gallons a day through a voluntary conservation program dubbed the “20 Gallon Challenge.” The program offered water-saving tips and prizes — water-saving dishwashers, landscaping and toilets — to get people to participate. Now it believes it can do more of the same, and more effectively than individual water agencies and cities.

“It’s a great idea,” said Jack Gibson, president of the Marin Municipal Water District board, which has 190,000 customers between Sausalito and San Rafael. “We are taking the same water; it makes sense to work as a region. Our individual needs may be a little different, but our goals are all the same. It would be a big plus to be able to do this.”

If the state board grants the wish — local officials should know sometime early next month — the region would be required to conserve by 20 percent as compared with usages in 2013.

Since 2000, the member agencies have already cut per-person daily water use from roughly 157 gallons to about 110 gallons last year, a 30 percent drop while the region has grown 10 percent. That 2014 figure is below a state-mandated goal of 129 gallons that the region had to achieve by 2020.

The letter to the water board also asks that it consider that local water supplies are relatively healthy. The main reservoirs in Marin and Sonoma are at about 90 percent and 87 percent of capacity, respectively. Those supplies are limited for local use and there is no mechanism for that water to be sent to other areas of the state that are more acutely affected by the drought.

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Meanwhile, because of the changing requirements, the North Marin Water District board decided this week to hold off on voting in restrictions for its 60,000 customers until its May 19 meeting.

The agency was looking at a plan to require homes and buildings with odd-numbered addresses to limit the use of irrigation systems to Monday, Wednesday and Friday. Even-numbered addresses would water Tuesday, Thursday and Saturday. All watering would be limited to between 7 p.m. and 9 a.m. While that’s on hold for the time being, people still need to watch water use, DeGabriele said.

“The drought is still on,” he said. “NMWD customers are asked to pay close attention to water use, especially outside. Any possible reduction in water use is appreciated. There is not a drop of water to waste.”

# Marin-Sonoma water agencies will not be able to join forces to fight drought

Gov. Jerry Brown called for \$10,000 fines for residents and businesses that waste the most water as California cities try to meet mandatory conservation targets during the drought. AP Photo — Steve Yeater

By Mark Prado, *Marin Independent Journal*

POSTED: 04/28/15, 7:39 PM PDT | 2 COMMENTS

An opportunity for Marin and Sonoma counties' water agencies to join forces to address drought conditions has been withdrawn by the state Water Resources Control Board.

In a recent iteration of water-cutting rules, the state board left open the possibility of a region banding together to save water. As it so happens, the North Bay established the Sonoma-Marin Water Saving Partnership in 2010. The group includes nine cities and water districts that use Russian River water, including the two largest Marin water agencies.

The partnership wrote the state board last week asking for the regional approach to address the drought, with officials saying it would be more effective than water agencies and cities going it alone.

But after looking at the proposal in more depth, the state board has decided not to allow water agencies to coalesce, officials said Tuesday.

"We did ask for water providers for ideas on how to make it work and we gave it a lot of thought," said Max Gomberg, senior staff scientist with the water board. "But as we looked at how it would work, and the accounting, it got very complex, and we have withdrawn that element."

In hopes of reducing conservation mandates, the partnership's letter also asked that the water board consider that local water supplies are relatively healthy. The main reservoirs in Marin and Sonoma are at about 90 percent and 87 percent of capacity, respectively. Those supplies are limited for local use and there is no mechanism for that water to be sent to other areas of the state that are more acutely affected by the drought.

But new guidelines issued late Tuesday were unchanged. The North Marin Water District must cut water use by 24 percent and Marin Municipal Water District by 20 percent. State water board meetings on May 5 and 6 will determine final percentages.

Because of the changing requirements, the North Marin board decided to hold off on voting in restrictions for its 60,000 customers in Novato and West Marin until its May 19 meeting.

The agency was looking at a plan to require homes and buildings with odd-numbered addresses to limit the use of irrigation systems to Monday, Wednesday and Friday. Even-numbered addresses would water Tuesday, Thursday and Saturday.

Marin Municipal's board approved restrictions April 7. Customers with irrigation systems will only be allowed

to use them three days a week. It also banned using the systems 48 hours after measurable rainfall. The district has 190,000 customers between Sausalito and San Rafael.

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Meanwhile, Gov. Jerry Brown on Tuesday called for \$10,000 fines for residents and businesses that waste the most water as California cities face mandatory conservation targets during the drought.

The recommendation was part of a legislative proposal Brown said he would make to expand enforcement of water restrictions.

Presently, Marin Municipal has an enforcement provision that includes fines of \$250 for violating regulations and restrictions on water use.

North Marin can disconnect water service if rules are violated. If water service is disconnected, a re-connection fee of \$50 is assessed. If another violation occurs, a re-connection fee of \$75 is imposed. Any water service that is disconnected twice is reconnected with a flow-restricting device and a fee of \$100 is charged.

While the districts have fines in place, both have focused on education over financial penalties.

Last summer, state regulators authorized \$500 fines for outdoor water waste, but few water agencies have levied such high amounts.

Brown said steep fines should still be a last resort and “only the worst offenders” that continually violated water rules would be subject to \$10,000 penalties. It was unclear what kind of violations those would be. His proposal would also provide enforcement power to water departments that currently can’t fine customers.

“We’ve done a lot. We have a long way to go,” Brown said after meeting with the mayors of 14 cities. “So maybe you want to think of this as just another installment on a long enterprise to live with a changing climate and with a drought of uncertain duration.”

*The Associated Press contributed to this report.*



# Marin IJ Editorial: Marin-Sonoma approach to drought restrictions is better

POSTED: 04/29/15, 1:35 PM PDT | 0 COMMENTS

A proposal that Marin and Sonoma counties band together to address the state's emergency water restrictions makes a lot of sense. It also reflects the realities of the two counties.

Preliminary guidelines issued by the state Water Resources Control Board would require ratepayers in the Marin Municipal Water District to cut household, commercial and institutional water use by 20 percent. The state wants North Marin Water District to cut water use by 24 percent.

Both Marin districts rely on water piped from the Russian River-fed Lake Sonoma. MMWD gets 25 percent of its water from Sonoma County, and North Marin relies on 80 percent of its supply from Lake Sonoma. Leaders of the two Marin agencies and water districts in Sonoma County have been working together since 2010, when they created the Sonoma-Marín Saving Water Partnership, aimed at promoting conservation among communities that rely on water from the Russian River.

Building on that partnership to set regional restrictions makes sense and is a recognition of Marin's reliance on Lake Sonoma water.

The partnership is proposing the state set 20 percent as the amount of water-use restriction for the region.

But state water officials say it is too complicated for their agency-by-agency approach to restrictions.

Local officials and our state representatives should continue to advance the proposal.

The restrictions also should recognize that the reservoirs in the two counties are almost full. Not only that, the region's success in water conservation has reduced usage by 30 percent since 2000, even though the area's population has grown by 10 percent.

Both Marin and North Marin are right to approach the state restrictions in a way that sees beyond just their nearly full reservoirs. Local ratepayers need to be cognizant that they not only need to conserve now, taking into account that this is a prolonged drought. They also need to be protective of Marin reservoirs and Lake Sonoma.

That means cutting back on our use of water.

A key to the success of reductions is giving households and communities the means to see and track how they are doing in meeting the 20 percent requirement. That should be a regional objective, regardless of the state's formula for drought restrictions, as agencies in the two counties combine forces to create a regional partnership of conservation.

# Marin parks chief Linda Dahl announces her retirement



**Marin County Parks Chief Linda Dahl took over the post in 2010.** Robert Tong — Marin Independent Journal

*By Nels Johnson, Marin Independent Journal*

POSTED: 04/28/15, 5:49 PM PDT | 3 COMMENTS

Marin parks chief Linda Dahl intends to retire and return to Colorado this summer, saying she is leaving a revitalized organization at the “perfect time” after five years at the helm.

The decision by the 63-year-old Dahl to depart, announced to associates in an email, surprised officials at the Civic Center, including county supervisors.

“It caught all of us off guard,” one official said, when Dahl disclosed her plan to the county board at her annual personnel review Friday afternoon. “We were surprised.”

Dahl said she is “most proud of ... the level of professionalism, transparency, collaboration, and inclusion we have brought to decision-making for the parks and preserves,” and had high praise for those on the parks staff.

“People do not go into this business to get rich, they go into it because it is in their hearts,” she said. “And the staff that is in place now is the best of the best.”

Dahl gave an upbeat parks budget presentation a week ago in which she did not mention retirement plans.

But the parks chief, in a “greetings all” email sent to friends, park supporters and others Friday afternoon, said the decision to step down was difficult.

“I write today to tell you of my upcoming retirement from Marin County Parks,” the email began. “This was a very hard decision to make. What made it so hard was the incredible team here and what they have accomplished. I am very proud to have been a part of it.”

She outlined a series of successful programs she shepherded with help from “many, many supporters and partners,” with passage of the Measure A sales tax “the big one.” The measure enabled parks spending to increase 60 percent or by almost \$7 million, allowing “us to build our team and increase our ranger presence, professional services, and science,” she noted. “We have more data than ever before in history to make informed, defensible decisions.”

Among a long list of accomplishments, “we have increased capacity for visitor services, environmental education, and enforcement in the open space preserves,” not to mention a road and trail management plan, she added.

With the hiring of “incredible new talent” and a staff reorganization, the department is in good shape and “it’s a perfect time to leave and feel good,” she continued. “I am aiming for a mid-summer departure ... I am headed back to Evergreen Colorado, the place I spent 24 years before going to Yosemite.”

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Dahl’s email recapped her budget presentation days earlier. “We’re in smooth sailing for now,” Dahl told county supervisors at the Monday session, giving no hint she was about to bail out. “I want to commend you and your entire staff,” board president Katie Rice replied. “You guys are great.”

Nona Dennis of Mill Valley, speaking as a longtime observer of parks issues, and not in her role as a Marin Conservation League official, noted the Parks Department is “a profoundly different place from what it was when she took over in 2010.” Dahl has “a lot of accomplishments to be proud of,” Dennis said.

As for her decision to step down, Dennis said she thought Dahl “felt definitely over-politicized for a few

decisions, and under-appreciated for the broad accomplishments of her tenure.” Dennis speculated that fallout from a recent trail closure as well as “political pressure” from freshman Supervisor Damon Connolly to accommodate the bicycle lobby, may have made life difficult. Although Dahl’s no-nonsense, take-charge style and tart temper reflected a sometimes abrasive edge, one insider said no “blow-up” or dispute was involved in her decision to depart.

In a note she sent to her staff on Friday, Dahl was ever the leader, advising: “Never stop learning. Be your best. Public service is something to be proud of ... I am proud of what we are able to do for our communities here in Marin.”

“I will not ride into the sunset, but I will find different (and less intense) ways to serve in the future,” she told staffers, noting she had served in public agencies for four decades. “These 40 years truly have been a grand journey, and I have worked with outstanding, committed public employees across the country,” she told the staff. “I say without reservation that none have been better than you here in Marin. The way you work together and commit yourselves with integrity to the beautiful places in your care has inspired me every single day. You have my deepest respect and my thanks.”

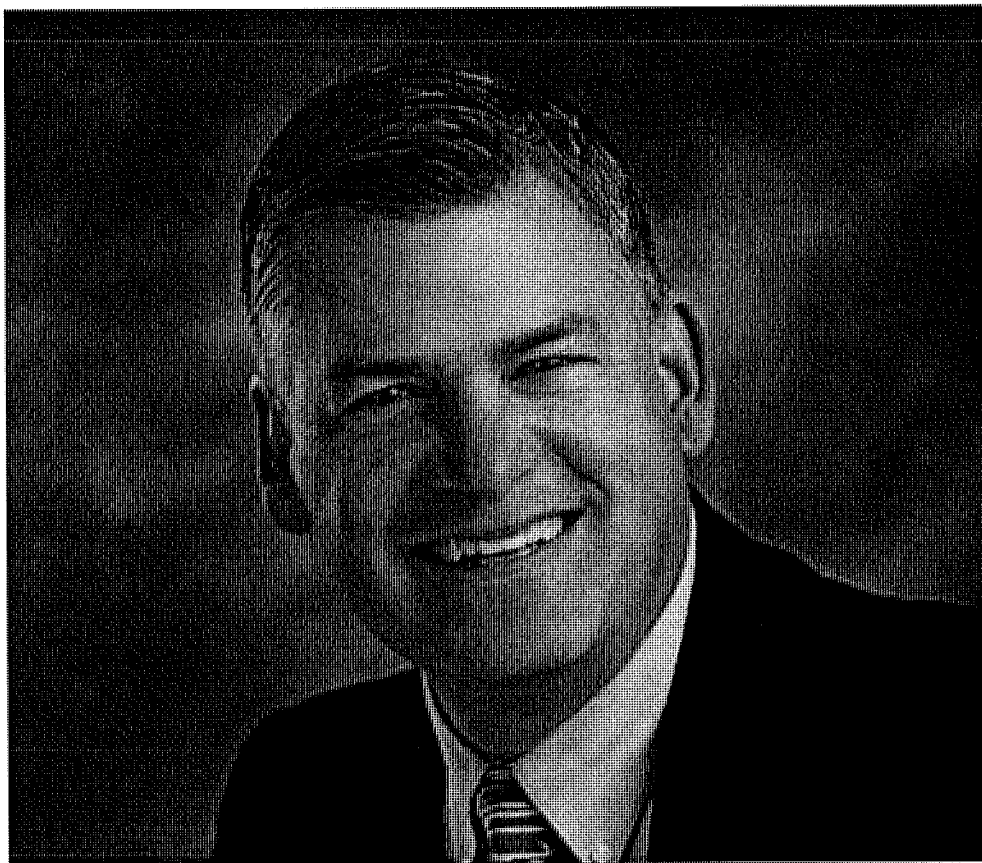
Dahl, who had served as assistant director of the county Community Development Agency for almost a year, topped a field of six finalists when she was chosen to take over the \$165,000-a-year post in 2010.

Dahl, former head of planning for the National Park Service at Yosemite, joined county parks as a consensus-builder who had worked at virtually every level of government through a long career in public service.

She worked for the Illinois Environmental Protection Agency to implement the Clean Water Act, served as a planner for the Linn County, Iowa Regional Planning Council and senior planner for Jefferson County, Colorado. She also served as an elected member of the Evergreen, Colorado Parks and Recreation District, and an appointed member the Jefferson County Open Space Commission.

Dahl joined the National Park Service in 1991 as a planner, advancing through the ranks in jobs including leading strategic planning for the Everglades and South Florida ecosystem. She became planning chief at Yosemite in 2005.

# Novato schools select new superintendent



**Jim Hogeboom is in line to be the new Novato Unified School District superintendent.** Provided by NUSD

**By Janis Mara, *Marin Independent Journal***

POSTED: 04/29/15, 5:35 PM PDT | UPDATED: 2 HRS AGO 2 COMMENTS

The Novato Unified School District is set to tap as superintendent a former district assistant principal who says he's excited to come home.

Jim Hogeboom, who has served as superintendent in San Luis Obispo County for the past seven years, is expected to officially start July 1 with a salary of \$218,000 a year once an employment contract is finalized, a site visit completed and the school board takes an official vote.

"Novato has a lot of great things going on, innovations like San Marin's STEM program and Novato High's Marin School of the Arts," Hogeboom said Wednesday.

"My first job is to look, listen and learn. My first questions are, 'Hey, guys, what's going well here and what are some things we can improve?'" Hogeboom said. "That's my 90-day plan.

"The district can have all the ideas in the world, but we need to listen to the people in the district. I intend to work collaboratively with the schools, parents, teachers and the community," Hogeboom said.



Hogeboom has extensive Marin roots.

“I started as a teacher at Tamalpais High School in 1990 and then went to Novato, to Hill Middle School,” where he served as an assistant principal from 1996 to 1999, Hogeboom said.

After stints as an assistant superintendent in the Corvallis Unified School District in Oregon and a middle school principal in Roseville and San Rafael, for the past seven years, Hogeboom has served as the superintendent of Lucia Mar Unified School District in San Luis Obispo County.

His seven-year tenure is a long one for a school superintendent. The average superintendent’s tenure is three years nationwide, according to the American Association of School Administrators.

Hogeboom’s predecessor, Shalee Cunningham, announced her retirement in November after a tenure of four years. Her announcement came the same day as an unfavorable ruling in a defamation case against her in Marin Superior Court, but she said the timing was coincidental and she was already planning to retire at the end of her contract.

Hogeboom has a bachelor’s degree in political science from the University of California at Berkeley and a master’s degree in education administration from San Francisco State University, as well as a teaching credential from San Francisco State.

“After reviewing an excellent field of candidates, which included superintendents, deputy and assistant superintendents and private sector leaders, the Board found Mr. Hogeboom to be an excellent match for our District,” Board President Debbie Butler said in a statement.

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“As we move our district forward, Mr. Hogeboom’s vision, innovation, creativity and academic leadership along with his collaborative style confirm that he is a great fit for Novato,” Butler said.