

**NORTH MARIN
WATER DISTRICT**

**NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
February 21, 2012 – 7:30 p.m.
District Headquarters
999 Rush Creek Place
Novato, California**

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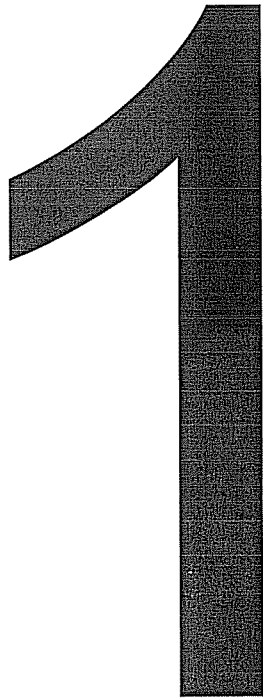
Est. Time	Item	Subject
7:30 p.m.		CALL TO ORDER
	1.	APPROVE MINUTES FROM REGULAR MEETING , February 7, 2012
	2.	GENERAL MANAGER'S REPORT
	3.	OPEN TIME: (Please observe a three-minute time limit) This section of the agenda is provided so that the public may express comments on any issues not listed on 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.
	4.	STAFF/DIRECTORS REPORTS
	5.	MONTHLY PROGRESS REPORT
		ACTION CALENDAR
	6.	Approve: Request to Solicit Financial Audit Proposals
	7.	Approve: Rate Increase Notice
	8.	Authorize: Affirmative Vote for SCWA FY 2012/13 Budget
		INFORMATION ITEMS
	9.	Quarterly Progress Report – Water Quality & Quarterly Bacteriological Quality Monitoring Report
	10.	Urban Area Water Cost Comparison
	11.	Preparing for Dry Year Conditions
	12.	Public Policy Facilitating Committee Meeting
	13.	Students and Teachers Restoring a Watershed (STRAW) at Stafford Lake
	14.	MISCELLANEOUS Disbursements Draft Agenda- Adaption Strategies and Information Needs in Response to Extreme Events <u>News Articles:</u> Marin Municipal Water District chief Helliker resigns, but will stay on to ease transition Sonoma County Water Agency Press Release- Additional Federal Funding Secured for

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
		Russian River Biological Opinion Projects George Grossi commended by county MALT head to retire after 28 years Valerie Brown endorses Mark Bramfitt in supervisorial race
9:00 p.m.	15.	<i>ADJOURNMENT</i>



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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
February 7, 2012

6 **CALL TO ORDER**

7 President Petterle called the regular meeting of the Board of Directors of North Marin Water
8 District to order at 7:30 p.m. at the District headquarters and the agenda was accepted as
9 presented. Present were Directors Jack Baker, Rick Fraites, Dennis Rodoni and John Schoonover.
10 Also present were General Manager Chris DeGabriele, Secretary Renee Roberts, Auditor-Controller
11 David Bentley and Chief Engineer Drew McIntyre.

12 Martin Falarski & Kevin Canada from URS, Tim Bennett (Disney Construction), District
13 employees Robert Clark (Operations/Maintenance Superintendent), Doug Moore
14 (Construction/Maintenance Superintendent), Ryan Grisso (Water Conservation Coordinator) and
15 David Jackson (Associate Engineer) were in the audience.

16 **MINUTES**

17 On motion of Director Fraites, seconded by Director Baker and unanimously carried the
18 Board approved the minutes from the January 17, 2012 meeting as presented.

19 **GENERAL MANAGER'S REPORT**

20 Mr. DeGabriele reported that he will be meeting with Marin supervisor Steve Kinsey next
21 Wednesday at the Point Reyes well site to show him the proposed site for the new Well #3. He said
22 that the District will need California Coastal Commission authorization to construct the new well and
23 Supervisor Kinsey sits on the Coastal Commission.

24 Mr. DeGabriele stated that he had requested Marin Municipal Water District to consider
25 paying the District for backfeeding Stafford Lake; Marin Municipal has declined. He said that the
26 Board has received an information item in their Board packets that dry year conditions exist on the
27 Russian River. He stated that this is good news because there will be lower releases out of both

1 Lake Mendocino and Lake Sonoma. Mr. DeGabriele advised that the Water Agency must petition
2 the State Board to comply with the Biological Opinion. He said rainfall in Novato through January is
3 at 8.43". He distributed a table comparing rainfall levels in certain dry years. Mr. DeGabriele opined
4 that it didn't pay for the District to backfeed Stafford Lake as it would only benefit Marin Municipal.
5 He said the last couple of years NMWD total deliveries during the average day of the peak month
6 were about 13 mgd and there is enough capacity in the North Marin Aqueduct and SCWA
7 Transmission System to deliver this flow. He said the question will be whether there will be
8 restrictions from the State Board on diversions at the river that will come into play.

9 Mr. DeGabriele stated that currently Lagunitas Creek is in normal year conditions. He said
10 however April 1st is the next threshold for determining dry year criteria. He said Lagunitas Creek
11 could very well experience dry year conditions. Mr. DeGabriele stated that staff is looking at the
12 requirements for noticing and how to get the word out to customers to insure that we are complying
13 with prior agreements and water rights permits.

14 Mr. DeGabriele announced that on Friday, February 24th, the Marin County Farm Bureau
15 will hold its annual meeting in Novato and that George Grossi will receive a Lifetime Achievement
16 Award and former Marin Supervisor Hal Brown will receive a Friend of the Farm Bureau Award. He
17 said that it would be good for the District to be represented by a Board member. President Petterle
18 said that he will attend.

19 **OPEN TIME**

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

22 **STAFF / DIRECTORS' REPORTS**

23 President Petterle asked if staff or Directors wished to bring up an item not on the agenda
24 and Drew McIntyre responded that he will be on vacation and will miss the next meeting.

1 **QUARTERLY FINANCIAL STATEMENT**

2 Mr. Bentley provided a quick summary on the Quarterly Financial Statement. He said the
3 District is on track to hit its 2.7 billion gallons budgeted water sales due to the dry winter. He said
4 Operating Expenses remain the same as last year and within budget; Capital Improvements are
5 coming in under budget. He said the major project is the Aqueduct Energy Efficiency Project that
6 has not taken off as quickly as the District had anticipated. Mr. Bentley said that the District
7 submitted its first claim for SRF funding for the Recycled Water Project North Service Area for
8 approximately \$2M. He said he is hopeful the money will come in by April 2012.

9 **CONSENT CALENDAR**

10 At the request of Director Fraites, Agenda Item Number 7, CYES "Green House Call" Bill
11 Insert, was removed from the Consent Calendar for further discussion.

12 On the motion of Director Schoonover, seconded by Director Baker and unanimously carried
13 the Agenda Items 6 and 8 were approved on the consent calendar:

14 **LAGUNITAS CREEK STREAMGAGING STATION COST SHARING**

15 The Lagunitas Creek streamgaging station located at the Gallagher Ranch bridge near Point
16 Reyes Station is owned, operated and maintained by the U.S. Geological Survey (USGS). The
17 USGS no longer sees the benefit of operating this gage and stopped funding in 1996. North Marin
18 Water District, the National Park Service and Marin Municipal all benefit from the information
19 obtained through this gage. NPS, MMWD and NMWD have shared funding of this streamgage since
20 1996 and use the information to make operational decisions for implementation of off-tide pumping
21 from the Point Reyes wells. USGS has requested that a funding agreement be in place by February
22 29, 2012 for the period November 1, 2011 to October 31, 2012.

23 The Board approved the funding request and NMWD's share in the amount of \$7,525 and
24 authorized the General Manager to enter into the funding agreement with USGS.

1 **CYES "GREEN HOUSE CALL" BILL INSERT**

2 California Youth Energy Services (CYES) has assisted North Marin Water District for the
3 past 5 years providing a program for installation of shower heads and sink aerators, plus toilet
4 gallons per flush determination and leak detection at the same time they offer energy conservation
5 programs sponsored by PG & E.

6 CYES has recently opened an office in Novato and is requesting assistance in marketing the
7 program. The CYES designed and will print the bill stuffer for insertion into North Marin Water
8 District's bills for a 7 week cycle. North Marin Water District will pay \$0.01 per insert, times
9 approximately 21,000 accounts (\$210).

10 Director Fraites asked if the bill insert will be bilingual. Mr. Grisso said that the printed
11 inserts will not be bilingual, but it can be considered for future inserts.

12 On motion of Director Fraites and seconded by Director Baker and unanimously carried, the
13 Board approved the bill insert for the CYES "Green House Call".

14 **PLANNING WORKSHOP SUMMARY**

15 The Draft Summary from the January 10, 2012 Planning Workshop remains unchanged
16 from its initial distribution and no comments were received from the Board.

17 The Board approved the Board of Directors Planning Workshop Summary dated January
18 10, 2012.

19 **ACTION CALENDAR**

20 **CONSIDER: 2ND REQUEST FOR BILL ADJUSTMENT – KRAFFT**

21 David Bentley stated that the initial request for this additional bill adjustment was received in
22 November and denied by the Board at the December 6, 2011 meeting. He said that this adjustment
23 has to do with last summer's water use and that Ms. Krafft wrote a letter requesting to attend the

1 January 3rd meeting and then moved the meeting to January 17th and then asked to move to
2 tonight's meeting, but has not appeared.

3 Mr. DeGabriele reminded the Board that they have already denied the request and that Ms.
4 Krafft has had ample opportunity to come and request additional relief. He opined that the District
5 should not offer any more relief. No further action was taken by the Board.

6 **APPROVE: RECYCLED WATER EXPANSION SOUTH SERVICE AREA - PHASE 1B: AWARD**
7 **CONSTRUCTION CONTRACT**

8 Mr. McIntyre stated that Dave Jackson, the project engineer, will make the presentation and
9 he introduced Martin Filarski and Kevin Canada from URS Engineers, construction manager for the
10 Recycled Water Expansion South Service Area.

11 Dave Jackson informed the Board that the Phase 1b project consists of 1.9 miles of recycled
12 water pipeline and the rehabilitation of the Reservoir Hill storage tank; the fiscal impact is
13 \$2,542,500. He gave a summary of the bid process and advised that the apparent low bidder
14 (Sierra Mountain Construction) requested to withdraw their bid due to a clerical error. He further
15 advised that after evaluation of the remaining bids, Disney Construction provided the second low bid
16 at \$2,542,500 and Ghilotti Construction the third low bid at \$2,546,350. He stated that The Covello
17 Group, construction manager for the North Service Area, evaluated these two remaining low bids for
18 compliance with ARRA (American Recovery and Reinvestment Act) and SRF (State Revolving
19 Fund) compliance and both contractors met those requirements. Mr. Jackson advised that Ghilotti
20 Construction submitted a bid protest stating that Disney Construction did not have sufficient
21 experience with waterline pipes. He further advised that upon close review of Disney Construction's
22 experience by staff and the construction manager, it was determined that they meet the experience
23 requirements.

24 Mr. Jackson said that the project receives 25% of financing with ARRA funds and
25 WaterSMART grant funds. He said the remainder is to be covered by the SRF loan program. Mr.

1 McIntyre informed the Board that the District has not yet received the state's preliminary funding
2 commitment for the loan although it is expected within the next couple of weeks. He stated that the
3 project must be completed by September 2012 to be in compliance with ARRA funding and staff
4 cannot wait any longer and recommends to move forward with the award of the project. Mr.
5 McIntyre stated that once the contract is awarded it will take a couple of weeks for the Notice to
6 Proceed to be issued and that he has received confirmation from the SRF staff that the final
7 commitment should be received by the District within two weeks. He explained that any expenditures
8 in the contract that the District incurs prior to the preliminary funding commitment would not be
9 eligible for loan reimbursement.

10 Director Baker asked if there was some risk involved if there was a delay at the state and the
11 contractor getting way ahead of schedule, prior to the District receiving the funding commitment
12 letter.

13 Mr. McIntyre responded that there is a risk, however if the project is not finished by the end
14 of September, the District will not be eligible for the 25% ARRA funding.

15 Director Baker asked the General Manager for his opinion.

16 Mr. DeGabriele stated that he believes the commitment letter will be received soon and that
17 the Board should authorize the award of the contract and staff will hold the Notice to Proceed as
18 long as possible.

19 There was a discussion.

20 Director Rodoni asked that if the Notice to Proceed should be issued prior to getting the
21 commitment from the state that the Board be notified first.

22 The General Manager said that he would do so.

23 On motion of Director Schoonover, seconded by Director Fraites and unanimously carried
24 the Board allowed Sierra Mountain Construction to withdraw its bid; rejected Ghilotti Construction's
25 protest of Disney Construction's bid; and approved award of the contract to Disney Construction and

1 authorized the General Manager to execute an agreement with Disney Construction in the amount
2 of \$2,542,500.

3 **APPROVE: RECYCLED WATER ON-SITE RETROFIT DESIGN PROJECT TASK 2 -**
4 **AGREEMENT FOR DESIGN SERVICES WITH RUSS MITCHELL AND ASSOCIATES, INC.**

5 Ryan Grisso, Water Conservation Coordinator, stated that the District is finalizing irrigation
6 retrofit design for the first 24 larger metered sites to use recycled water and have the Department of
7 Public Health approval for the North Service area which included Fireman's Fund Complex, Valley
8 Memorial Park Cemetery, school and park turf areas, commercial users west of U.S. 101 and other
9 irrigated playing fields. Mr. Grisso stated that the staff is looking forward to move forward with design
10 at some of the smaller sites, which are mostly down in the South Service area. He stated that the
11 District issued a request for proposals and staff is recommending that the District move forward with
12 Russ Mitchell and Associates, Inc. Mr. Grisso stated that Russ Mitchell is a long time, very
13 experienced irrigation design firm. He stated that the District has identified the 18 sites to be
14 designed.

15 Director Schoonover asked on what basis did the District make regarding the selection of
16 sites.

17 Mr. Grisso stated that staff reviewed three proposals received based on a variety of criteria
18 including experience, cost and project approach, and ability to sign the agreement. He said once
19 staff evaluated completely, Russ Mitchell and Associates stood out as the top firm.

20 On motion of Director Fraites, seconded by Director Baker, and unanimously carried, the
21 Board authorized the General Manager to execute an agreement with Russ Mitchell and Associates,
22 Inc. for a not-to-exceed fee of \$112,000 plus a contingency of \$15,000.

23 **APPROVE: REVISION TO INTERDISTRICT LOAN POLICY**

1 David Bentley stated that staff recommends that the District change the policy on Interdistrict
2 loans. Instead of charging the interest on the loaned amount at the rate earned on the District's
3 treasury, it would be the greater of the interest earned or the weighted average rate of Novato debt.

4 On motion of Director Baker, seconded by Director Fraites, and unanimously carried, the
5 Board authorized staff to revise the Interdistrict Loan Policy to charge interest at the higher of the
6 investment portfolio earnings rate or the weighted average interest rate on Novato improvement
7 district debt.

8 **INFORMATION ITEMS**

9 **WATER CONSERVATION MID-YEAR UPDATE (JULY-DECEMBER 2011)**

10 Ryan Grisso updated the Board regarding Water Conservation, stating that the program
11 participation numbers are significantly down likely due to the economy and reduced rebate level. He
12 stated that the water smart home surveys, high efficiency toilets and washers are all down in
13 numbers from last fiscal year. Mr. Grisso informed the Board that the District will have grant funding
14 available in the future with Sonoma County Water Agency through Proposition 84, which will give
15 the District additional rebate money for clothes washers, toilets, weather based irrigation controllers
16 and cash for grass. He said that staff will be coming to the Board in the future to discuss the rebate
17 amount adjustments to be eligible for the grant, but the District should receive a significant amount
18 in return. Mr. Grisso stated that he is expecting a July 1st start date for the grant funding.

19 **MID-YEAR PROGRESS REPORT - ENGINEERING DEPARTMENT**

20 Drew McIntyre informed the Board that the Novato water budget has about \$2M to start
21 construction of the aqueduct relocation. He said that the project has gone slower than anticipated
22 and forecasted expenditures for Novato water will be significantly below budget. Mr. McIntyre said
23 that conversely in Recycled Water, the District has an accelerated project and is spending more
24 money than anticipated this year as well as the overall total project cost estimate for Recycled Water
25 has increased. He stated that in West Marin, the costs are projected to be lower than budgeted

1 primarily because the Pt. Reyes Water Treatment Plant solids handling project is going to have a
2 delayed start.

3 Mr. McIntyre informed the Board of the projects that are over budget: in Novato, South
4 Novato Blvd water main break costs, additional costs on the Stafford Dam apron repairs, and the
5 Pacheco tank chlorine mixing system; in West Marin, projected to be over budgeted is the ongoing
6 work with Pt. Reyes Well #3.

7 **SECOND QUARTER FY 2011/12 UPDATE – OPERATIONS/MAINTENANCE**

8 Robert Clark, Maintenance/Operations Superintendent, informed that Board that Stafford
9 Treatment Plant worked diligently produce water for Novato. He said that new employee Michael
10 Connelly is working well and has been able to take on tank maintenance in Novato. Mr. Clark also
11 said that Dan Garrett is doing well and has a lot more responsibility with maintaining the pumps at
12 the treatment plant and Solar Bees. He said the staff has had issues trying to resolve dissolved
13 oxygen problems in the lake and they are working with Solar Bee regarding this issue. Mr. Clark
14 stated that flushing around Novato has started and that there is a map on our website and on our
15 Facebook page that is updated every week as to which area in Novato is being flushed.

16 Mr. Clark said that the District completed the Infiltration & Intrusion inspections at Oceana
17 Marin and has not received the finished reports but the preliminary reports state that the lines look
18 good. He said that there will continue to be intrusion repairs and the biggest fix will be the cross
19 country line repairs that are scheduled for this summer.

20 **UPDATE FOR PROPOSED ON AIR/VERIZON CELLULAR TOWER AT WINGED FOOT TANK**

21 **SITE**

22 Robert Clark updated the Board regarding the proposed On Air Cell Tower at Winged Foot
23 Tank Site. He stated that On Air did not receive permission from Marin County for a utility access
24 easement, and On Air will no longer pursue the project.

1 **STP SOLAR PROJECT UPDATE**

2 David Bentley stated that the District has a new financing company for the STP Solar Project
3 but with the same terms. He stated that PNC Bank of Pittsburg will agree to the original financing
4 terms and the District is moving forward and staff will have a construction schedule to the Board
5 shortly.

6 **STATE WATER RESOURCES CONTROL BOARD LICENSE 4324B REPORT**

7 Mr. DeGabriele informed the Board that the District annually provides a report to the State
8 Board on conditions in Lagunitas Creek which is required of the District's water right license. He said
9 that this past year at no time did Lagunitas Creek flows fall below requirements and at no time did
10 NMWD diversions exceed 0.67 cfs.

11 **NBWA MEETING - FEBRUARY 3, 2012**

12 Mr. DeGabriele said that the agenda was included from last Friday's meeting. He said there
13 were two speakers, Caitlin Sweeney from San Francisco Estuary Partnership and Gail Seymour
14 from Department of Fish Game.

15 Mr. DeGabriele mentioned at the NBWA meeting that Department of Fish and Game has
16 money from the Pacific Coastal Salmon Initiative and if it were not for Sonoma County Water
17 Agency, that initiative would not have come to fruition and the state would not have money for
18 salmon restoration.

19 **WAC/TAC MEETING - FEBRUARY 6, 2012**

20 Mr. DeGabriele stated that the big issue is the draft Sonoma County Water Agency budget
21 for next year. He stated that the TAC budget subcommittee has met twice with the water agency and
22 they are holding the costs down. Mr. DeGabriele said that deliveries were down almost 5% again
23 this year compared to last year which directly reflects the rates. He advised the Board that there will

1 be a special meeting for the WAC on March 5th to consider the budget and hopefully there will be
2 majority vote to adopt the budget.

3 Mr. DeGabriele informed the Board of a listing of projects in the agency's long range
4 financial plan. He said that the long range financial plan is essentially ready to unveil.

5 Mr. DeGabriele stated that there was a presentation by Valley of the Moon on their
6 cooperation with Sonoma Development Center. He stated that the Sonoma Development Center is
7 the home for disabled people in Glen Ellen which has reliable water supply, surface water with a
8 treatment plant, ground water and they have a connection to the Sonoma County Water Agency
9 aqueduct.

10 **PUBLIC POLICY FACILITATING COMMITTEE MEETING - FEBRUARY 9, 2012**

11 The agenda for the PPFC meeting was included for Board information. Director Petterle
12 stated that he isn't available for this meeting. Director Rodoni advised he will attend.

13 **MISCELLANEOUS**

14 The Board received the following miscellaneous information items: Disbursements, Postage
15 Rate Change, Response to Marin Civil Grand Jury Survey for Special Districts, Reimbursement
16 Program 2011, Donation Request from Tomales Bay Watershed Council, Bimonthly Service Charge
17 Analysis, and Russian River Water Supply System Designated "Dry". The Board also received the
18 following news articles: Novato Water District to Flush Pipes and Port Sonoma Developer Agrees to
19 Full Environmental Review (Including letter from Congresswoman Lynn Woolsey).

20 President Petterle adjourned the meeting at 8:40 p.m.

21 Submitted by

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Renee Roberts
District Secretary

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NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR January 2012
February 21, 2012

1.

Novato Potable Water Prod - RR & STP Combined - in Million Gallons - FYTD

Month	FY11/12	FY10/11	FY09/10	FY08/09	FY07/08	12 vs 11 %
July	371	379	360	419	417	-2%
August	373	368	367	417	416	1%
September	347	358	335	393	374	-3%
October	249	278	233	313	268	-10%
November	183	164	176	173	208	12%
December	156	141	149	143	164	11%
January	178	146	140	107*	156	22%
FYTD Total	1,857	1,835	1,760	1,965	2,002	1%

West Marin Potable Water Production - in Million Gallons - FY to Date

Month	FY11/12	FY10/11	FY09/10	FY08/09	FY07/08	12 vs 11 %
July	9.2	9.9	10.0	11.8	11.5	-7%
August	9.4	9.9	10.6	11.9	11.5	-5%
September	8.7	9.2	9.6	10.2	9.8	-5%
October	6.5	7.8	6.9	9.8	7.4	-16%
November	5.1	4.9	5.6	7.2	6.9	4%
December	4.9	4.8	4.5	6.9	5.8	3%
January	4.8	4.3	4.2	6.4	7.1	10%
FYTD Total	48.7	50.9	51.3	64.2	59.9	-4%

Stafford Treatment Plant Production - in Million Gallons - FY to Date

Month	FY11/12	FY10/11	FY09/10	FY08/09	FY07/08	12 vs 11 %
July	115	109	152	131	131	6%
August	126	108	150	128	121	17%
September	77	112	155	117	106	-32%
October	113	111	80	81	75	2%
November	106	95	0	0	30	11%
December	49	0	0	0	11	-
January	0	0	0	0	0	-
FYTD Total	586	536	537	458	473	9%

Recycled Water Production - in Million Gallons - FY to Date

Month	FY11/12	FY10/11	FY09/10	FY08/09	FY07/08	12 vs 11 %
July	11.0	11.9	12.0	13.6	13.4	-8%
August	12.2	11.2	12.9	13.6	12.7	9%
September	9.6	9.5	10.2	10.9	9.4	1%
October	0.0	2.6	2.6	6.4	2.7	-
November	0.0	0.0	0.0	0.0	0.0	-
December	0.0	0.0	0.0	0.0	0.0	-
January	0.0	0.0	0.0	0.0	0.0	-
FYTD Total	32.8	35.2	37.7	44.5	38.2	-7%

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2. Stafford Lake Data

	January Normal	January 2011	January 2012
Rainfall this month	5.4 Inches	1.4 Inches	3.38 Inches
Rainfall this FY to date	10.3 Inches	16.1 Inches	8.14 Inches
Lake elevation*	182.1 Feet	194.0 Feet	180.13 Feet
Lake storage**	554 MG	1252 MG	471 MG

* Spillway elevation is 196.0 feet

** Lake storage less 390 MG = quantity available for production

Temperature (in degrees)

	Minimum	Maximum	Average
Jan 2011	28	79	63
Jan 2012 (STP)	32	77	50
Jan 2012 (Novato)	26	78	54

3. Number of Services

January 31	Novato Water			Recycled Water			West Marin Wtr			Oceana Marin Swr		
	FY12	FY11	Incr %	FY12	FY11	Incr %	FY12	FY11	Incr %	FY12	FY11	Incr %
Total meters	20,741	20,736	0.0%	2	3	-33%	818	815	0.4%	-	-	-
Total meters active	20,472	20,457	0.1%	2	3	-33%	774	769	0.7%	-	-	-
Active dwelling units	23,864	23,854	0.0%	0	0	-	807	802	0.6%	227	227	0.0%

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4. Oceana Marin Monthly Status Report (December)

Description	FY 10-11	FY 11-12
Effluent Flow Volume (MG)	0.67	0.54
Irrigation Field Discharge (MG)	0.59	0
Treatment Pond Freeboard (ft)	3.8	3.4
Storage Pond Freeboard (ft)	4.4	7.8

5. Developer Projects Status Report (December)

Job No.	Project	% Complete	% This month
2751	Buck Institute Fire Service	100	1

District Projects Status Report - Const Dept (December)

Job No.	Project	% Complete	% This month
7123.08	PB Replacement- Glen Hill Ct	5	5
8716.08	City Paving Coordination	50	8
6600.29	Dam Concrete Apron Repair	60	60

Employee Hours to Date, FY 11/12

As of Pay Period Ending January 31, 2012

Percent of Fiscal Year Passed = 58%

Developer Projects	Actual	Budget	% YTD Budget	District Projects	Actual	Budget	% YTD Budget
Construction	1,138	1,800	63	Construction	2,325	4,944	47
Engineering	567	1,393	41	Engineering	3,426	5,564	62

6. Safety/Liability

	Industrial Injury with Lost Time			Liability Claims Paid		
	Lost Days	OH Cost of Lost Days (\$)	No. of Emp. Involved	No. of Incidents	Incurred (FYTD)	Paid (FYTD) (\$)
FY through Jan 12	11	4664	1	1	1	1,700
FY through Jan 11	0	0	0	0	5	5,145

Days without a lost time accident through January 31, 2012 = 18 days

7. Energy Cost

FYE	December			Fiscal Year-to-Date thru December		
	Kwh	¢/Kwh	Cost/Day	Kwh	¢/Kwh	Cost/Day
2012 Stafford TP	61,251	14.0¢	\$295	549,196	15.6¢	\$470
Pumping	86,062	14.8¢	\$386	857,361	14.6¢	\$666
Other*	35,425	16.8¢	\$185	228,908	20.0¢	\$255
	182,738	14.9¢	\$800	1,635,465	15.7¢	\$1,379
2011 Stafford TP	28,831	16.9¢	\$168	528,655	16.1¢	\$466
Pumping	66,498	15.1¢	\$313	816,403	14.4¢	\$641
Other*	33,535	16.8¢	\$188	248,564	19.9¢	\$270
	128,864	15.9¢	\$621	1,593,622	15.9¢	\$1,373
2010 Stafford TP	17,130	13.6¢	\$68	500,140	16.0¢	\$432
Pumping	75,851	14.2¢	\$325	758,225	15.0¢	\$601
Other*	37,031	16.1¢	\$193	255,419	19.1¢	\$271
	130,012	14.6¢	\$577	1,513,784	16.0¢	\$1,283

*Other includes West Marin Facilities

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11

8. Water Conservation Update (January)

	Month of January 2012	FY to Date	Program Total to Date
High Efficiency Toilet (HET) Rebate (\$150 each)	16	133	2319
Retrofit Certificates Filed	19	145	4328
Cash for Grass Rebates Paid Out	2	29	478
Washing Machine Rebates	35	199	5786
Water Smart Home Survey	10	164	1121

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Order January 2012

Prepared: 02/10/12

Type	Jan-12	Jan-11	Action Taken January 2012
<u>Consumers' System Problems</u>			
Consumer Service Line Leaks	5	16	Notified Customer
Meter Leak Consumer's Side	15	0	Notified Customer
House Plumbing	0	0	~
Noisy Plumbing	0	0	~
Seepage or Other	0	0	~
House Valve / Meter Off	7	7	Turned Back On
Nothing Found	3	10	Notified Customer
Low Pressure	2	0	Pressure at 40 PSI. Possible failed PRV. Pressure at 65 PSI. Pressure good.
High Pressure	0	0	~
Water Waster Complaints	0	0	~
Total	32	33	
<u>Service Repair Reports</u>			
Register Replacements	0	0	~
Meter Replacement	4	3	Replaced
Meter Box Alignment	0	0	~
Meter Noise	0	0	~
Dual Service Noise	0	0	~
Box and Lids	1	1	Replaced
Water Off/On Due To Repairs	9	2	Notified Customer
Misc. Field Investigation	0	2	~
Total	14	8	
<u>Leak Complaints</u>			
Main-Leak	0	0	~
Mains-Nothing Found	0	0	~
Mains-Damage	0	0	~
Service- Leak	6	7	Repaired
Services-Nothing Found	1	0	Notified Customer
Service-Damaged	0	0	~
Fire Hydrant-Leak	3	2	Repaired
Fire Hydrants-Nothing Found	0	0	~
Fire Hydrants-Damaged	0	0	~
Meter Replacement	0	0	~
Meters-Leak	0	0	~
Meters-Nothing Found	0	0	~
Meters Damaged	0	0	~
Washer Leaks	9	5	Replaced
Total	19	14	
<u>High Bill Complaints</u>			
Consumer Leaks	7	1	Notified Customer
Meter Testing	0	0	~
Meter Misread	3	2	Notified Customer
Nothing Found	12	6	Notified Customer
Projected Consumption	0	0	~
Excessive Irrigation	0	0	~
Total	22	9	

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Order January 2012

Prepared: 02/10/12

Type	Jan-12	Jan-11	Action Taken January 2012
<u>Low Bill Reports</u>			
Meter Misread	0	2	~
Stuck Meter	0	0	~
Nothing Found	0	0	~
Projected Consumption	0	0	~
Minimum Charge Only	0	0	~
Total	0	2	
<u>Water Quality Complaints</u>			
Taste and Odor	2	3	<p>Customer reported bad taste in the water. (Modoc Pl) No metals detected & other results normal. Customer was notified of results.</p> <p>Customer reported bad taste in the water. (Carmel Dr) Chlorine level & all other results were normal. Customer was notified of results.</p>
Color	0	8	~
Turbidity	1	0	<p>Customer reported sediment in the bathroom & toilet tank. (Grandview Ave) Iron was present in sediment collected from the screens. Sediment most likely due to corrosion.</p>
Suspended Solids	1	0	<p>Customer reported white particles in areators. (Lea Dr) The particles appear to be parts of the hot water dip tube. Customer was notified.</p>
Other	6	3	<p>Customer reported hardness in water has increased. (San Blas Ct) Water was analyzed for hardness & was normal for NMWD supply. Customer was notified.</p> <p>Consumer requested we analyze the water for ammonia. (Cedarwood LN) Ammonia wasn't detected. Customer was notified.</p> <p>Customer reported higher than usual phosphate in the pool & grey towels. (San Andreas Dr) Phosphate wasn't detected. Customer was notified.</p> <p>Customer reported orange stains in the shower. (McClay Rd) Iron wasn't detected. Customer was notified.</p> <p>Customer concerned about water quality. (Storybook Ct) Bacteria clean. All parameters normal for NMWD supply. Customer was notified.</p>

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Order January 2012

Prepared: 02/10/12

Type	Jan-12	Jan-11	Action Taken January 2012
Total	<u>10</u>	<u>14</u>	
TOTAL FOR MONTH:	<u>97</u>	<u>80</u>	<u>21%</u>

Customer reported foamy metallic water from newly installed faucet. (Pizarro Ave)
 Lab analyzed a first draw sample. Only a slight amount of copper was detected. Customer was notified.

Fiscal YTD Summary

Consumer's System Problems	253	188
Service Repair Report	64	110
Leak Complaints	186	177
High Bill Complaints	270	380
Low Bills	6	6
Water Quality Complaints	36	42
Total	<u>815</u>	<u>903</u>

Change Primarily Due To

35%	Increase In Consumer Line Leaks
-42%	Decrease In Replaced Box & Lid
5%	Increase in Service Leaks
-29%	Decrease In Nothing Found
0%	~
-14%	Decrease In Color
<u>-10%</u>	

"In House" Generated and Completed Work Orders

<u>Check Meter:</u> possible consumer/District leak, high bill, flooded, need read, etc.	215	271
<u>Change Meter:</u> leaks, hard to read	16	17
<u>Possible Stuck Meter</u>	15	2
<u>Repair Meter:</u> registers, shut offs	0	0
<u>Replace Boxes/Lids</u>	14	55
<u>Hydrant Leaks</u>	0	0
<u>Trims</u>	54	35
<u>Dig Outs</u>	107	140
<u>Letters to Consumer:</u> meter obstruction, trims, bees, gate access, etc.	0	0
<u>Misc:</u> locate meter, get meter number, cross connection follow ups, kill service, etc.	0	0
	<u>421</u>	<u>520</u>

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Order January 2012

Prepared: 02/10/12

<u>Type</u>	<u>Jan-12</u>	<u>Jan-11</u>	<u>Action Taken January 2012</u>
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Bill Adjustments Under Board Policy:

January 12 vs. January 11

Jan-12	15	\$3,369
Jan-11	32	\$5,936

Fiscal Year to Date vs. Prior FYTD

11/12 FYTD	190	\$43,480
10/11 FYTD	191	\$56,633

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MEMORANDUM

To: Board of Directors

February 17, 2012

From: David L. Bentley, Auditor-Controller

Subj: Auditor-Controller's Monthly Report of Investments for January 2012

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RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$11,420,635 (which includes an \$8 million loan from Bank of Marin acquired in October to pay for the Aqueduct Energy Efficiency Project) and a market value of \$11,438,596. During January the cash balance decreased by \$1,028,294. For the fiscal year, the cash balance increased \$7,046,664. The market value of securities held decreased by \$3,604 during the month. The ratio of total cash to budgeted annual operating expense, excluding the \$7,145,076 unexpended balance of the Bank of Marin loan, stood at 41%, down 2% from the prior month. This compares to the District's target ratio of 90%, or \$11 million.

At January 31, 2012, 91% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), and 9% in a Time Certificate of Deposit placed in a Novato bank. The weighted average maturity for the portfolio was 44 days, compared to 43 days at the end of last month. The LAIF interest rate for the month was 0.39%, compared to 0.38% in the previous month. The weighted average Portfolio rate was 0.45%, compared to 0.44% in the previous month. The District earned \$8,744 interest revenue during January with 41% earned by Novato Water and the balance distributed to the other improvement districts.

State Controller John Chiang's January report on California's financial position stated: "January revenues were disappointing on almost every front. Thankfully the decisive actions taken recently by the State to stabilize its cash flow will ensure that California can pay its bills through the end of the fiscal year."

The State ended last fiscal year with a deficit of \$8.2 billion. The combined current-year cash deficit stands at \$21 billion. Those deficits are being covered with \$15.6 billion of internal borrowing (temporary loans from special funds) and \$5.4 billion of external borrowing.

**NORTH MARIN WATER DISTRICT
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS
January 31, 2012**

Type	Description	S&P Rating	Purchase Date	Maturity Date	Cost Basis ¹	1/31/2012 Market Value	Yield ²	% of Portfolio
LAIF	State of CA Treasury	A	Various	Open	\$10,375,239	\$10,392,379	0.39% ³	91%
Time Certificate of Deposit								
TCD	Bank of Marin	n/a	6/3/11	6/3/13	\$1,000,000	\$1,000,000	1.00%	9%
Other								
Agency	Marin Co Treasury	AA+	Various	Open	\$275,660	\$275,660	0.45%	2%
Bond	Olema G.O. Bond	A+	5/31/91	1/1/15	11,212	12,033	5.00%	0%
Other	Various	n/a	Various	Open	(241,476)	(241,476)	0.00%	-2%
TOTAL IN PORTFOLIO					\$11,420,635	\$11,438,596	0.45%	100%

Weighted Avg. Maturity = **44 Days**

LAIF: State of California Local Agency Investment Fund.

Agency: West Marin General Obligation Bond Fund tax receipts & STP State Revolving Fund Loan Reserve.

Bond: Annual \$4,113 payment is paid by tax levy on Olema residents.

Other: Comprised of 4 accounts used for operating purposes. US Bank Operating Account, US Bank, STP SRF Loan Account, Union Bank Securities Custodial Account & NMWD Petty Cash Fund.

¹ Original cost less repayment of principal and amortization of premium or discount.

² Yield defined to be annualized interest earnings to maturity as a percentage of invested funds.


³ Earnings are calculated daily - this represents the average yield for the month ending January 31, 2012.

<u>Interest Bearing Loans</u>	Loan Date	Maturity Date	Original Loan Amount	Principal Outstanding	Interest Rate
Black Point Partners-BPGL	6/30/06	2/28/24	\$3,612,640	\$2,620,066	2.40%
Employee Housing Loans (8)	Various	Various	1,441,785	1,441,785	Contingent
Employee Computer Loans (9)	Various	Various	13,300	6,494	1.96% (avg)
TOTAL INTEREST BEARING LOANS			\$5,067,725	\$4,068,345	

The District has the ability to meet the next six months of cash flow requirements.

6

MEMORANDUM

To: Board of Directors
From: Dianne Landeros, Accounting Supervisor 
Subject: APPROVE: Request to Solicit Financial Audit Proposals
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February 17, 2012

RECOMMENDED ACTION: Authorize staff to solicit proposals for a four-year audit contract.
FINANCIAL IMPACT: None at this time – Approx. \$30,000/year upon selection of a firm.

The last time the District solicited financial audit proposals was in 2007. At that time, the Board authorized the Auditor-Controller to enter into an agreement with Charles Z. Fedak & Company to perform the annual financial audit of the District for a four-year period for fiscal years 2007 through 2011. It is important that we periodically survey the market to assure our customers an economical and objective audit examination.

Staff proposes to mail a preliminary letter (Attachment A) to firms who have expressed interest, to the largest CPA firms in Marin and Sonoma counties (those with a minimum staff size of 10), and all CPA firms who have responded to our requests previously (including Charles Z. Fedak & Company) asking if there is interest in submitting a proposal to the District. A second letter (Attachment B), along with a copy of last year's audited financial statements, will be mailed to those firms expressing interest.

We will again solicit for an audit contract of four years. There is a lot of effort involved in soliciting and evaluating proposals. Also, the first year of each audit contract requires the auditor to collect a substantial amount of basic information about the District's financial status. Once they have this data, the subsequent years on the contract require less work for both the auditor and District staff. In the subsequent years, the auditor is familiar with our accounting system and is better able to offer suggestions for improvement.

RECOMMENDATION

Authorize Staff to solicit proposals to perform the District's annual audit for a four-year period.

February 22, 2012

Re: Financial Audit Proposal

Ladies and Gentlemen:

The North Marin Water District is soliciting proposals to conduct its annual financial audit. We intend to enter into a four-year agreement with the firm selected.

If your firm is experienced in governmental and/or utility accounting, you are invited to submit a short letter indicating interest. A detailed request for proposal and a copy of last year's audited financial statement will then be returned for your review.

Our fiscal year ends June 30th. Please submit your letter of interest to my attention no later than March 9, 2012.

Sincerely,

David L. Bentley
Auditor-Controller

DLB:dl

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March 12, 2012

Re: Request for Audit Proposals

Dear:

The North Marin Water District is requesting proposals to perform the annual audit of the District's financial records for the fiscal year ending June 30th. The District desires to contract for a four-year period subject to annual review for fiscal years 2012 to 2015.

The scope of work to be performed will include a financial audit conducted in accordance with generally accepted auditing standards. Such audit shall be in accordance with the industry audit guide "Audits of State and Local Governmental Units" published by the AICPA. The examination shall encompass all funds of the District, including the Novato Water Fund, the Novato Recycled Water Fund, and two small water and wastewater improvement districts in western Marin County.

The North Marin Water District anticipates receipt of \$9.6 million State Revolving Fund (SRF) Loan to finance its Recycled Water Expansion project with an anticipated completion date in fiscal year 2014. The District also anticipates receiving ARRA (\$1.7 million) and WaterSmart (\$1.3 million) grant money for these projects. Therefore, the audit for fiscal years ending 6/30/12, 6/30/13, and 6/30/14 will require compliance with all requirements of the Office of Management and Budget Circular A-133 issued pursuant to the Single Audit Act of 1984.

Preparation of all financial statements included within the Auditor's Report of Examination shall be the responsibility of the auditor. The Audit Report shall be in CAFR format for submission to GFOA's Excellence in Financial Reporting Program. The Auditor shall provide to District management, under separate cover, a 'management letter' presenting constructive recommendations for enhancing the efficiency and effectiveness of fiscal operations. The Auditor shall prepare and provide to the District the State Controller's annual report of financial transactions on a timely basis.

A trial balance will be available the third week of August. Ten draft copies of the Report of Examination shall be presented to the Auditor-Controller by the third week of September, and an oral presentation of the report shall be given to the North Marin Water District Board of Directors at its first regularly scheduled meeting in October. Upon approval by the Board, thirty copies of the Report of Examination shall be presented to the Auditor-Controller by October 15.

Prior to submitting a proposal, representatives of interested firms may inspect, as thoroughly

as is needed, the District's financial records and related systems and procedures with the accounting staff. Interested firms will be expected to familiarize themselves with the District's records sufficiently to submit a responsible proposal.

The District's annual audit for the fiscal year ending June 30, 2011 was conducted by the firm of Charles Z. Fedak and Company for a fee of \$28,900.

If your firm is interested in obtaining this engagement, you should prepare a proposal including:

- 1) A review of your governmental and/or utility auditing experience.
- 2) Minimum of three references of current water district clients using CAFR reporting.
- 3) Your standard hourly rates for all personnel classifications that will perform the audit and prepare the related report.
- 4) An audit program with estimated hours to be expended upon each phase of the audit.
- 5) A yearly not-to-exceed quotation for conducting the audit for each year in your proposal.

The District will make monthly progress payments for the percentage of work completed. For purposes of internal cost accounting, all billings must detail the time expended on each phase of the audit program. The audit program submitted to the District shall be updated annually to address each year's specific audit requirements.

Please submit your sealed proposal, clearly marked on the outside of the envelope "Audit Proposal" no later than 4:00 p.m., Friday, April 13th to the District office. District staff will review the proposals and make a recommendation to its Board of Directors. It is anticipated that the Board will select a firm at its regular Board meeting on Tuesday, May 1, 2012. The Board reserves the right to accept the proposal of any competent firm and to reject any and all proposals.

Any questions concerning the audit or selection procedures may be addressed to Accounting Supervisor Dianne Landeros at the North Marin Water District office.

Sincerely,

David L. Bentley
Auditor-Controller

DLB:dl

7

MEMORANDUM

To: Board of Directors
From: David L. Bentley, Auditor-Controller
Subj: Rate Increase Notice
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February 17, 2012

RECOMMENDED ACTION: Approve Notice on Water Bill

FINANCIAL IMPACT: No Cost

At the May 24, 2011 public hearing the Board approved three annual water rate increases averaging 11% for residential customers effective June 1 of 2011, 2012 and 2013. When multiple rate increases are approved, the California Government Code requires that notice of each rate adjustment be given not less than 30 days before the effective date of the adjustment. To meet this requirement, we propose to add a notice to the water bill as follows:

A rate increase averaging 11% for residential customers will be effective on June 1, 2012. The increase was approved at a May 2011 public hearing. The impact of the increase, based on your individual water use, can be viewed at www.nmwd.com or call us at (415) 897-4133.

The proposed message is succinct (224 characters) as the message space on the water bill is limited to about 250 characters. Some wordsmithing is possible should the Board desire.

The Water Cost Calculator on the District's website calculates the cost and impact of the approved increases in dollars and percentages for every customer account based on each account's individual water use history. An example is shown on the back of this memorandum. A prominent link to the Water Cost Calculator will be placed on the District home page for the next several months.

NMWD's customer base is divided into eight groups billed bimonthly. We propose to include the message on water bills mailed commencing March 1, thereby ensuring that all customers will receive the notice by April 30, thus meeting the 30 day notice requirement.

Recommendation:

Approve placing the message above on the water bill for Novato customers commencing March 1, 2012.

ANNUAL WATER COST CALCULATOR

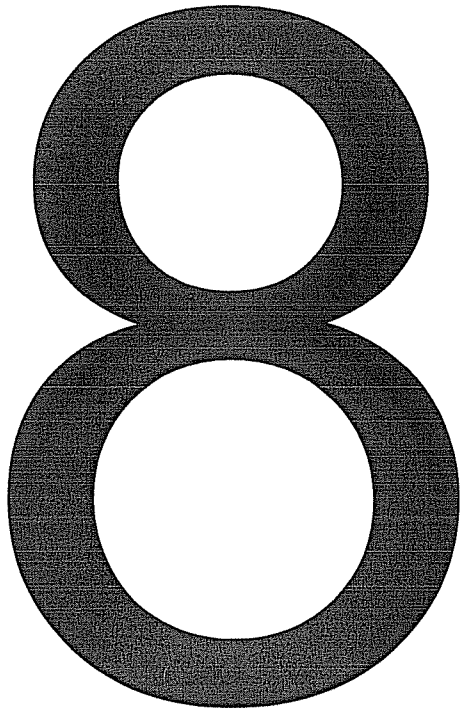
Service Location: 1159 SANTOLINA DR **NMWD Account No:** 1557607

<u>Basic Data</u>	06/01/11	06/01/12	06/01/13
Water Use (Annual Gallons) *	92,752	92,752	92,752
Service Charge (Bimonthly)	\$20.00	\$25.00	\$30.00
Water Rate / 1,000 Gallons **	\$3.90	\$4.17	\$4.50
<u>Annual Cost</u>			
Service Charge	\$120	\$150	\$180
Water Use Charge	\$362	\$387	\$417
<u>Total Annual Cost:</u>	<u>\$482</u>	<u>\$537</u>	<u>\$597</u>
Annual Increase		\$55	\$60
Monthly Increase		\$5	\$5
Percentage Increase		11%	11%

* Water Use shown is based on your prior 12 months billed consumption.

** Water Rate shown is your annual average and the Water Rate and Water Use Charge assumes your seasonal water use pattern remains consistent with your prior 12 months billed consumption.


This Annual Water Cost Calculator is for estimating purposes only and may not provide all of the information contained on your specific customer bill or be precisely accurate. Your future water cost will vary based upon your actual water use. If you have questions about this calculator please call the District at 415.897.4133 and ask for customer service.



MEMORANDUM

To: Board of Directors

February 17, 2012

From: Chris DeGabriele, General Manager 

Subject: Authorize Affirmative Vote for SCWA FY 2012/13 Budget
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RECOMMENDED ACTION: Authorize WAC Representative to vote affirmatively for SCWA FY 2012/13 Budget

FINANCIAL IMPACT: Approximately \$107,000 increase in purchased water to be included in the NMWD FY 2012/13 Budget

Attached is the latest draft of the Sonoma County Water Agency Water Transmission System Budget for Fiscal Year 2012/13. As reported at the last meeting, the January deliveries are now incorporated into this budget. I had expected that adding January deliveries would reduce the denominator in the rate calculation, however, Marin Municipal Water District deliveries attribute to the entire delivery increase and results in a slight increase in the rate for North Marin compared to the draft budget discussed at the February 7th meeting.

The budget proposes NMWD water purchases next year at \$707.49 per acre foot (p.7), up 2.5% from the FY 2011/12 wholesale water rate. It continues to be less than the 7% projected in the 5 year financial plan reviewed with the Board at the January 10th workshop.

A special WAC meeting will be held on March 5th consider the budget and absent any objection by Board members, it is my recommendation that the NMWD WAC representative vote in favor of the budget as presented.

RECOMMENDATION:

Authorize WAC representative to vote affirmatively for the FY 2012/13 SCWA Budget.

FY 12-13 Water Transmission Budget

Overview

The proposed budget for FY 2012–2013 continues to be based on accomplishing a focused set of goals centered around the Water Agency’s Water Supply Strategy Action Plan, including the required elements of the Biological Opinion, continued implementation of hazard mitigation and reliability projects, and normal maintenance of facilities. Whenever possible, alternative sources of revenue, such as FEMA grants and existing fund balances, will be used to finance capital projects

Deliveries

As required by the Restructured Agreement for Water Supply, the budget year forecast deliveries are based on the past 12 months actual deliveries or the 12 month average over the past 36 months, whichever is smaller. The 12 month actual deliveries through January 2012 were 45,961 acre feet and the annual average over the last 36 months was 47,677 acre feet. Therefore, 45,961 acre feet are used to calculate rates in the DRAFT budget submitted to the water contractors. This is a 4% drop in water deliveries from the 47,848 acre feet used for the FY 2011-2012 budget and rates. The drop in water delivered continues to be a major factor resulting in increased rates (Restructured Agreement Section 4.1). Recommended rates were calculated after the January water deliveries per agreement with the Technical Advisory Committee.

Rates

The resulting rates are shown below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
O&M	\$432.01	\$432.01	\$432.01
Water Management Planning	1.09	1.09	1.09
Watershed Planning & Restoration	81.06	81.06	81.06
Recycled Water & Local Supply	9.00	9.00	9.00
Water Conservation	32.85	32.85	32.85
Total O&M	\$ 556.01	\$ 556.01	\$ 556.01
Storage and Common Bond and Loan Charges	99.78	99.78	99.78
Sonoma Aqueduct Bond Charge			68.31
Total Prime without Local Supply and Capital	\$655.79	\$655.79	\$724.09
<i>Percent Change from FY 11-12 Budget</i>	<i>3.42%</i>	<i>3.42%</i>	<i>2.95%</i>
Aqueduct Capital Charges (build fund balance for future projects)	9.25	9.25	9.25
Local Recycled Water Tier 2 Program	6.99	6.99	6.99
Prime Contractors	16.24	16.24	16.24
Total Prime Contractors	\$672.03	\$672.03	\$740.33
Total Percent Change from FY 11-12 Budget	5.98%	5.98%	5.26%

▪ **Water Transmission System Fund**

▪ **Revenues**

The total revenue of the Water Transmission System Agency Fund is budgeted to decrease by .35% or \$113,169 to \$32,547,625. This total revenue is comprised of numerous revenue categories, the biggest of which is water sales. Other revenue sources are grants, power sales, meter service installation charges, and interest on cash balances.

Water rates and therefore water revenues will not increase enough to pay for the budgeted capital expenses on a “pay-go” basis. Additional borrowing is planned to make up this difference.

▪ **Expenses**

Expenses for operations and maintenance, capital improvement projects, and main sub-funds are as follows:

	FY 11-12 Budget	FY 12-13 Requested	Change
Operations and Maintenance	\$19,990,500	\$19,623,250	(\$367,250)
Capital Projects	\$3,788,000	\$13,261,000	\$9,473,000
Water Management Planning	\$200,000	\$50,000	(\$150,000)
Watershed Planning and Restoration	\$2,610,680	\$3,725,600	\$1,114,920
Recycled Water and Local Supply	\$947,500	\$985,000	\$37,500
Water Conservation	\$1,505,000	\$1,510,000	\$5,000
Totals	\$29,491,680	\$39,154,850	\$9,663,170

Capital Projects

▪ **Pipeline**

- Santa Rosa Aq Cathodic Protection Upgrade \$800,000
- Santa Rosa Aq Rodgers Creek Fault \$1,094,000
- SBS Electrical Upgrade and Pumping Reliability \$300,000
- Santa Rosa, Petaluma, and Sonoma Aq - LHMP –Program Design \$75,000
- Petaluma Aq Cathodic Protection \$265,000

▪ **Storage**

- Sonoma Tank Fence Replacement \$90,000
- Kawana to Sonoma Booster Pipeline Design (Reliability and Enhancement) \$350,000
- Petaluma Aq Relocation Kastania \$300,000

▪ **Common**

- Isolation Valves \$133,000
- Billing Meter Replacement \$400,000
- Russian River Crossing \$405,000
- Collectors 3 and 5 Liquefaction Mitigation Predesign \$220,000
- Collector 6 Chlorine Solution Lines \$25,000
- Air Valves \$541,000
- Mirabel Surge Control \$200,000
- Mark West Creek Crossing \$554,000
- Water Agency Westside Facility \$1,200,000

FY 12-13 Prime Contractor Rates Summary

	CHARGE PER ACRE FOOT:		
	Santa Rosa Aqueduct	Petaluma Aqueduct	Sonoma Aqueduct
O&M Charge [4.2]	\$432.01	\$432.01	\$432.01
Water Management Planning Sub-charge [4.13]	\$1.09	1.09	1.09
Watershed Planning/Restoration Sub-charge [4.14]	\$81.06	81.06	81.06
Recycled Water & Local Supply Sub-charge [4.15]	\$9.00	9.00	9.00
Water Conservation Sub-charge [4.16]	\$32.85	32.85	32.85
O&M Charge	556.01	556.01	556.01
Storage and Common Bond & Loan Charges	99.78	99.78	99.78
Sonoma Aqueduct Bond Charge			68.31
PRIME CONTRACTORS	\$655.79	\$655.79	\$724.09
Increase from FY 11-12	3.42%	3.42%	2.95%
Capital Charges - to build fund balance for future projects	9.25	9.25	9.25
Local Recycled Water Tier 2 Program	6.99	6.99	6.99
PRIME CONTRACTORS	16.24	16.24	16.24
Increase over base rate from FY 11-12	2.28%	2.28%	1.95%
TOTAL PRIME CONTRACTORS	\$672.03	\$672.03	\$740.33
Increase from FY 11-12	5.98%	5.98%	5.26%

WATER TRANSMISSION SYSTEM
 FY 12-13 WATER CHARGES PER ACRE-FOOT
 FOR PRIME CONTRACTORS

	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
2012/13	672.03	5.98%	672.03	5.98%	740.33	5.26%
2011/12	634.11		634.11		703.33	
2010/11	603.92		603.92		674.47	
2009/10	564.78		564.78		622.11	
2008/09	471.13		511.13		486.22	
2007/08	441.70		461.70		453.49	
2006/07	431.29		451.29		442.60	
2005/06	412.68		432.68		424.53	
2004/05	402.51		422.51		414.42	
2003/04	393.89		413.89		407.95	
2002/03	387.49		397.90		387.43	
2001/02	383.29		384.02		373.38	
2000/01	330.76		331.61		320.74	

WATER TRANSMISSION SYSTEM
FY 12-13 REVENUE SUMMARY CHART

WATER CUSTOMER	FY 12-13 Budgeted Water Use (Acre- Feet)	FY 11-12 Rate \$/Acre-Foot	FY 12-13 Proposed Rate \$/Acre-Foot	Dollar Change	Percent Change
Santa Rosa Aqueduct	14,749	\$634.11	\$672.03	\$37.92	6.0%
Petaluma Aqueduct	10,031	634.11	672.03	\$37.92	6.0%
Sonoma Aqueduct	7,809	703.33	740.33	\$37.00	5.3%
North Marin Water Dist.	6,013	690.43	707.49	\$17.06	2.5%
Marin Municipal – Third Off Peak	4,300	795.60	832.41	\$36.81	4.6%
Marin Municipal – Supplemental	1,113	735.64	751.08	\$15.44	2.1%
Forestville Aqueduct	369	634.11	662.78	\$28.67	4.5%
Wholesale/Municipal	976	843.99	888.4	\$44.41	5.3%
Surplus	92	656.84	675.61	\$18.77	2.9%
Windsor	508	760.93	806.44	\$45.51	6.0%
TOTAL	45,961				

WATER TRANSMISSION SYSTEM FUNDS - ESTIMATED ENDING FUND BALANCES



[X] ESTIMATED [] OFFICIAL
 To Be Approved by Board of Directors on April DD, 2012

CHARGE PER ACRE FOOT:

	Santa Rosa Aqueduct	Petaluma Aqueduct	Sonoma Aqueduct
PRIME CONTRACTORS			
<u>O&M Charge [4.2]</u>	\$432.01	\$432.01	\$432.01
Water Management Planning Sub-charge [4.13]	\$1.09	\$1.09	\$1.09
Watershed Planning/Restoration Sub-charge [4.14]	\$81.06	\$81.06	\$81.06
Recycled Water & Local Supply Sub-charge [4.15]	\$15.99	15.99	15.99
Water Conservation Sub-charge [4.16]	\$32.85	32.85	32.85
O&M Charge	\$563.00	\$563.00	\$563.00
<u>Capital Charges - to build fund balance for future projects</u>			
Aqueduct Facilities Capital Charges [4.6 e]	\$9.25	\$9.25	\$9.25
<u>Bond & Loan Charges - to pay for existing debt service</u>			
Storage Facilities Capital Charge [4.7]	23.45	23.45	23.45
Common Facilities Capital Charge [4.8]	76.33	76.33	76.33
Aqueduct Facilities Capital Charges [4.6 b]			68.31
<i>Total Capital Charges</i>	\$99.78	\$99.78	\$168.08
TOTAL PRIME CONTRACTORS	\$672.03	\$672.03	\$740.33
Charge without LRT2 and voluntary AQ capital Charge	\$655.79	\$655.79	\$724.09
OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES			
<u>(WATER CO'S & PUBLIC AGENCIES)</u>			
O&M Charge	\$563.00	\$563.00	\$563.00
Capital Charges	99.78	99.78	168.08
Aqueduct Facilities Capital Charge	\$225.62	\$225.62	\$157.31
TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12) (120% OF HIGHEST PRIME)	\$888.40	\$888.40	\$888.40
FORESTVILLE			
O&M Charge [4.2] *	\$432.01		
Water Management Planning Sub-charge [4.13]	1.09		
Watershed Planning/Restoration Sub-charge [4.14]	81.06		
Recycled Water & Local Supply Sub-charge [4.15]	15.99		
Water Conservation Sub-charge [4.16]	32.85		
O&M Charge	\$563.01		
<u>Bond & Loan Charges - to pay for existing debt service</u>			
Aqueduct Facilities Capital Charges [4.6]	0.00		
Storage Facilities Capital Charge [4.7]	23.45		
Common Facilities Capital Charge [4.8]	76.33		
<i>Total Capital Charges</i>	\$99.78		
TOTAL FORESTVILLE	\$662.78		
* Forestville Water District exempt from Santa Rosa Aqueduct sub-charge from FY 06/07 to FY 16/17 [4.12].			
NORTH MARIN WATER DISTRICT			
O&M Charge	<u>FY2011/12</u> \$547.37	<u>FY2011/12</u> \$563.00	Note: N. Marin does not pay an Aq Capital Charge.
North Marin Bond & Loan Charge [4.9]	50.79	52.41	
Russian River Conservation Charge [4.18 (a)]	72.27	72.08	
Russian River Projects Charge [4.18 (b)]	20.00	20.00	
TOTAL NORTH MARIN WATER DISTRICT	<u>690.43</u>	707.49	
THIRD OFF-PEAK (MARIN MUNICIPAL)			
Highest Prime		\$740.33	
Russian River Conservation Charge		72.08	
Russian River Projects Charge		20.00	
TOTAL THIRD OFF-PEAK		\$832.41	
SUPPLEMENTAL (MARIN MUNICIPAL)			
O&M Charge		\$563.00	
Capital Charge [4.11 (b)]		96.00	
Russian River Conservation Charge		72.08	
Russian River Projects Charge		20.00	
TOTAL SUPPLEMENTAL		\$751.08	
SURPLUS			
Non-Municipal / Municipal [4.11 (a)] (120% of O&M Charge)	\$675.61	\$675.61	\$675.61
Town of Windsor		\$806.44	

Town of Windsor is charged 120% of the highest charge for any other prime contractor on the Santa Rosa Aqueduct from FY 06/07 to FY 21/22 [4.17 (a)]. Town of Windsor pays all subcharges [4.13, 4.14, 4.15, and 4.16] on all water they divert from the Russian River using their equipment [4.17 (b)].

The applicable section of the Restructured Agreement has been indicated in brackets.

**SCHEDULE OF WATER DELIVERIES BY AQUEDUCT
PAST 36 MONTHS / 12 MONTHS AVERAGE**

		DELIVERING AQUEDUCT				Monthly
		Santa Rosa	Petaluma	Forestville	Sonoma	Total
36	Feb-09	1,070.2	2,023.7	19.6	381.7	3,495.3
35	Mar-09	982.2	1,828.7	19.1	440.2	3,270.1
34	Apr-09	1,653.0	2,945.9	37.0	788.3	5,424.2
33	May-09	1,511.9	2,309.9	33.9	614.8	4,470.4
32	Jun-09	1,927.5	2,458.4	49.7	756.6	5,192.2
31	Jul-09	1,664.3	1,988.5	49.5	672.7	4,375.1
30	Aug-09	2,065.7	2,256.5	56.4	673.9	5,052.4
29	Sep-09	1,867.7	1,880.7	49.2	603.3	4,400.9
28	Oct-09	1,057.5	1,604.8	29.7	606.3	3,298.3
27	Nov-09	1,088.8	2,291.5	26.7	619.6	4,026.7
26	Dec-09	977.2	1,911.5	21.1	453.5	3,363.2
25	Jan-10	928.4	1,781.2	19.8	432.1	3,161.5
24	Feb-10	1,000.7	1,754.1	23.2	417.3	3,195.4
23	Mar-10	1,283.1	2,172.1	24.7	525.4	4,005.2
22	Apr-10	903.5	1,374.8	21.0	442.0	2,741.2
21	May-10	1,270.8	1,482.9	26.0	621.1	3,400.8
20	Jun-10	1,883.7	2,061.9	43.9	863.0	4,852.4
19	Jul-10	1,914.8	2,156.8	45.1	886.9	5,003.6
18	Aug-10	1,934.1	2,616.2	54.9	1,077.9	5,683.1
17	Sep-10	1,560.0	2,158.2	47.3	916.7	4,682.3
16	Oct-10	1,355.7	1,906.8	38.0	779.9	4,080.4
15	Nov-10	1,145.1	1,614.3	24.6	547.4	3,331.4
14	Dec-10	1,188.7	1,982.0	23.7	516.6	3,711.0
13	Jan-11	965.7	1,446.8	19.8	420.4	2,852.8
12	Feb-11	996.1	1,574.5	17.9	421.7	3,010.3
11	Mar-11	945.0	1,308.7	19.3	424.2	2,697.1
10	Apr-11	1,044.8	1,295.4	21.8	516.5	2,878.5
9	May-11	1,722.0	2,407.1	36.4	954.1	5,119.6
8	Jun-11	1,331.5	1,883.3	32.5	747.8	3,995.1
7	Jul-11	1,503.0	2,218.8	39.4	922.5	4,683.8
6	Aug-11	2,204.3	2,676.0	55.1	935.9	5,871.2
5	Sep-11	1,323.5	2,206.3	41.7	844.9	4,416.4
4	Oct-11	784.5	1,557.1	29.3	680.6	3,051.5
3	Nov-11	1,031.6	1,641.7	29.0	634.3	3,336.6
2	Dec-11	1,340.0	1,861.8	27.2	409.0	3,638.1
1	Jan-12	1,122.8	1,803.1	19.3	317.2	3,262.3
Total Deliveries		48,549.3	70,442.0	1,172.8	22,866.3	143,030.5
3-Year Annual Average		16,183.1	23,480.7	390.9	7,622.1	47,676.8
Past 12 Months		15,349.3	22,433.7	368.9	7,808.6	45,960.6
Total Deliveries		48,549.3	70,442.0	1,172.8	22,866.3	143,030.5
Less: North Marin			19,932.8			19,932.8
Marin Municipal			18,470.1			18,470.1
Sonoma Co. Deliveries		48,549.3	32,039.2	1,172.8	22,866.3	104,627.7
3-Year Annual Average		16,183.1	10,679.7	390.9	7,622.1	34,875.9

SONOMA COUNTY WATER AGENCY
 SCHEDULE OF ACTUAL PRIOR 12 MONTHS WATER DELIVERIES IN ACRE FEET (BY CUSTOMER TYPE)
 JANUARY 11 THROUGH DECEMBER 11 (*Applicable Years as Indicated*)

Aqueduct No.	FEB 11	MAR 11	APR 11	MAY 11	JUN 11	JUL 11	AUG 11	SEPT 11	OCT 11	NOV 11	DEC 11	JAN 12	TOTAL
PRIMES													
1	1,105.5	1,076.6	1,207.1	1,995.2	1,528.1	1,796.9	2,338.0	1,608.0	1,017.9	1,133.5	1,292.6	1,134.1	17,233.5
2	384.7	341.9	412.4	786.7	707.5	883.6	1,020.1	741.8	602.7	576.0	551.0	434.5	7,442.8
2	396.6	208.4	236.2	662.0	554.9	678.9	874.1	781.5	393.4	328.4	552.4	346.6	6,013.2
2	264.9	266.6	285.0	460.1	310.3	339.4	350.3	269.5	231.5	260.6	294.2	261.9	3,594.3
2	27.3	27.0	33.5	59.3	51.3	55.2	79.3	52.9	36.7	32.8	29.2	26.9	511.4
1	40.9	34.7	47.5	78.4	50.8	48.3	42.6	48.1	33.2	32.3	31.8	31.6	520.1
4	89.6	79.8	105.0	226.5	170.9	208.2	281.5	211.0	150.8	163.0	139.2	102.9	1,928.4
4	127.4	122.0	133.5	220.5	175.8	216.6	283.9	224.8	166.5	213.1	195.6	155.1	2,234.9
	2,437.0	2,156.9	2,460.1	4,488.7	3,549.7	4,227.0	5,269.7	3,937.6	2,632.5	2,739.7	3,086.1	2,493.7	39,478.7
OTHER AGENCY CUSTOMERS													
1	6.1	11.1	14.9	50.6	48.5	45.3	62.2	45.6	18.8	13.9	10.1	3.4	330.4
2	10.7	10.1	10.4	17.9	16.1	18.9	24.9	18.7	15.9	14.4	13.0	10.3	181.2
4	2.5	2.9	4.3	7.7	6.0	8.2	10.6	8.6	6.7	5.0	4.8	3.8	71.2
4	0.2	0.2	0.2	0.5	0.4	0.5	0.8	0.9	0.6	0.4	0.3	0.2	5.0
3	18.0	19.4	21.9	36.9	33.0	40.2	56.1	43.0	30.1	29.2	27.3	19.4	374.4
1	0.2	0.1	0.1	0.3	0.2	0.3	0.4	0.5	0.2	0.2	0.2	0.2	2.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.5	0.5	0.5	1.2	1.0	1.3	1.5	1.8	1.0	0.6	0.6	0.6	11.1
	38.1	44.2	52.4	115.0	105.2	114.6	156.5	119.2	73.2	63.7	56.2	37.8	976.2
OFF-PEAK CUSTOMERS													
2	534.2	494.8	358.0	498.2	334.7	332.7	425.8	343.0	340.1	530.0	493.3	728.5	5,413.3
SURPLUS CUSTOMERS													
1	0.1	0.2	6.2	1.8	2.1	4.4	9.7	9.4	2.4	0.8	0.5	0.3	37.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.9	1.0	1.9	15.8	3.3	5.1	9.5	7.3	3.2	2.2	2.0	2.1	54.4
	1.0	1.2	8.0	17.6	5.5	9.6	19.3	16.7	5.6	3.1	2.5	2.4	92.3
TOTAL DELIVERIES													
	3,010.3	2,697.1	2,878.5	5,119.6	3,995.1	4,683.8	5,871.2	4,416.4	3,051.5	3,336.6	3,638.1	3,262.3	45,960.6

FY 2012-13 BUDGET
Water Transmission System Agency Fund
ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges
Sub-Object 4161

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - O&M</u>			
1 PRIMES without Surcharges	39,478.7	432.01	17,055,223
2 OTHER AGENCY CUSTOMERS	976.2	757.41	739,381
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	609.34	2,620,158
4 MARIN MUNICIPAL (SUPPLEMENTAL)	1,113.3	528.01	587,830
5 SURPLUS CUSTOMERS	92.3	544.61	50,286
TOTAL WATER SALES - O&M	45,960.6	N/A	\$21,052,878

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - Sub-charges</u>			
1a Water Management Planning Sub-charge [4.13]	45,960.6	1.09	50,000
1b Watershed Planning/Restoration Sub-charge [4.14]	45,960.6	81.06	3,725,600
1c Recycled Water & Local Supply Sub-charge [4.15]	45,960.6	15.99	735,000
1d Water Conservation Sub-charge [4.16]	45,960.6	32.85	1,510,000
TOTAL WATER SALES - Subcharges	45,960.6	N/A	\$6,020,600

FY 2012-13 BUDGET

Water Transmission System Agency Fund

SANTA ROSA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges

Sub-Object 4161

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - O&M</u>			
1 SANTA ROSA AQUEDUCT	15,349.3	432.01	6,631,040

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - Sub-charges</u>			
1a Water Management Planning Sub-charge [4.13]	15,349.3	1.09	16,698
1b Watershed Planning/Restoration Sub-charge [4.14]	15,349.3	81.06	1,244,223
1c Recycled Water & Local Supply Sub-charge [4.15]	15,349.3	15.99	245,465
1d Water Conservation Sub-charge [4.16]	15,349.3	32.85	504,288
TOTAL WATER SALES - Subcharges	15,349.3	N/A	\$2,010,674

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	15,349.3	9.25	141,981
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	15,349.3	23.45	359,935
Common Facilities Capital Charge [4.8]	15,349.3	76.33	1,171,561
Aqueduct Facilities Capital Charges [4.6 b]	15,349.3	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	15,349.3	N/A	\$1,673,477

TOTAL ESTIMATED REVENUE

\$10,315,191

FY 2012-13 BUDGET

Water Transmission System Agency Fund

PETALUMA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges

Sub-Object 4161

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - O&M			
1 PETALUMA AQUEDUCT	22,433.7	432.01	9,691,603

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - Sub-charges			
1a Water Management Planning Sub-charge [4.13]	22,433.7	1.09	24,405
1b Watershed Planning/Restoration Sub-charge [4.14]	22,433.7	81.06	1,818,496
1c Recycled Water & Local Supply Sub-charge [4.15]	22,433.7	15.99	358,759
1d Water Conservation Sub-charge [4.16]	22,433.7	32.85	737,043
TOTAL WATER SALES - Subcharges	22,433.7	N/A	\$2,938,703

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
CAPITAL CHARGES			
Aqueduct Facilities Capital Charges [4.6 e]	22,433.7	9.25	207,512
BOND AND LOAN CAPITAL CHARGES			
Storage Facilities Capital Charge [4.7]	22,433.7	23.45	526,064
Common Facilities Capital Charge [4.8]	22,433.7	76.33	1,712,297
Aqueduct Facilities Capital Charges [4.6 b]	22,433.7	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	22,433.7	N/A	\$2,445,873

TOTAL ESTIMATED REVENUE

\$15,076,179

FY 2012-13 BUDGET

Water Transmission System Agency Fund

SONOMA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges
Sub-Object 4161

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - O&M			
1 SONOMA AQUEDUCT	7,808.6	432.01	3,373,416

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - Sub-charges			
1a Water Management Planning Sub-charge [4.13]	7,808.6	1.09	8,495
1b Watershed Planning/Restoration Sub-charge [4.14]	7,808.6	81.06	632,975
1c Recycled Water & Local Supply Sub-charge [4.15]	7,808.6	15.99	124,876
1d Water Conservation Sub-charge [4.16]	7,808.6	32.85	256,547
TOTAL WATER SALES - Subcharges	7,808.6	N/A	\$1,022,893

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
CAPITAL CHARGES			
Aqueduct Facilities Capital Charges [4.6 e]	7,808.6	9.25	72,230
BOND AND LOAN CAPITAL CHARGES			
Storage Facilities Capital Charge [4.7]	7,808.6	23.45	183,110
Common Facilities Capital Charge [4.8]	7,808.6	76.33	596,010
Aqueduct Facilities Capital Charges [4.6 b]	7,808.6	68.31	533,371
TOTAL WATER SALES - Capital & Bond and Loan Charges	7,808.6	N/A	\$1,384,721

TOTAL ESTIMATED REVENUE

\$5,781,030

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Transmission System Agency Fund
 Section/Index No: 675108

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	3,857,624	6,810,781		4,809,241		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	73,335	33,275	33,275	30,250	(3,025)	(9.09%)
1701 Interest Earned	0	0	0	0	0	N/A
1800 Rents /Concessions	0	0	0	0	0	N/A
1801 Rent - Real Estate	450	0	0	0	0	N/A
SUBTOTAL	73,785	33,275	33,275	30,250	(3,025)	(9.09%)
<u>INTERGOVERNMENTAL REVENUES</u>						
2400 State - Disaster Relief	0	0	0	0	0	N/A
2680 Federal - Disaster Relief	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>CHARGES FOR SERVICES</u>						
3666 Meter Service / Install	30,037	20,000	20,000	20,000	0	0.00%
3980 Revenue Applicable to PY	6,470	0	0	0	0	N/A
SUBTOTAL	36,507	20,000	20,000	20,000	0	0.00%
<u>MISCELLANEOUS REVENUES</u>						
4039 Sale - Power	774,631	800,000	800,000	800,000	0	0.00%
4040 Miscellaneous Revenues	15,959	0	0	0	0	N/A
4102 Donations/ Reimb.	119,935	0	0	2,000	2,000	N/A
4109 Outdated Warrants	0	0	0	0	0	N/A
4161 Water Sales - O&M	21,044,169	20,178,530	22,911,950	21,137,480	(1,774,470)	(7.74%)
4162 Comm. Rev. Bd. Charge	2,259,385	2,198,437	2,228,411	2,628,828	400,417	17.97%
4163 Storage Rev. Bd. Charge	813,308	797,391	808,229	807,647	(582)	(0.07%)
4164 Sonoma Aq. Rev. Charge	291,170	288,184	294,175	294,056	(119)	(0.04%)
4166 SR Aq. Capital Charge	62,381	65,965	66,445	211,891	145,446	218.90%
4167 Petaluma Aq. Cap. Chg.	0	0	0	207,512	207,512	N/A
4168 Sonoma Aq. Cap. Charge	0	0	0	72,230	72,230	N/A
4169 NM Revenue Bd. Charge	274,455	305,413	315,129	315,131	2	0.00%
4175 Water Mgmt Planning Sub-charge	195,087	192,115	200,000	50,000	(150,000)	(75.00%)
4176 Watershed Planning/Rest Sub-charge	1,710,554	2,507,609	2,610,680	3,725,600	1,114,920	42.71%
4177 Recycled Water & Local Supply Sub-charge	811,557	833,265	867,500	735,000	(132,500)	(15.27%)
4178 Water Conservation Sub-charge	1,542,147	1,445,460	1,505,000	1,510,000	5,000	0.33%
4303 State Grant	0	0	0	0	0	N/A
SUBTOTAL	29,914,738	29,612,369	32,607,519	32,497,375	(110,144)	(0.34%)
<u>OTHER FINANCING SOURCES</u>						
4625 Operating Transfer In	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	30,025,030	29,665,644	32,660,794	32,547,625	(113,169)	(0.35%)

Section Title:

Water Transmission System Agency Fund

Section/Index No:

675108

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
EXPENDITURES						
SERVICES AND SUPPLIES						
6020 Clothing / Personal	359	0	0	0	0	N/A
6040 Communications	62,465	75,000	60,000	75,000	15,000	25.00%
6060 Food	0	0	0	0	0	N/A
6080 Household Expense	227	1,362	0	0	0	N/A
6084 Janitorial Supplies	0	0	0	1,000	1,000	N/A
6085 Janitorial Services	0	0	0	0	0	N/A
6104 Fire Insurance	0	0	0	0	0	N/A
6140 Maintenance - Equipment	695,788	765,000	1,024,000	1,200,000	176,000	17.19%
6180 Maintenance - Buildings	75,853	234,000	234,000	0	(234,000)	(100.00%)
6190 Landscaping Service	4,193	0	0	0	0	N/A
6233 Maintenance - Proj Outside	0	0	0	0	0	N/A
6262 Laboratory Supplies	23,711	25,000	20,000	25,000	5,000	25.00%
6280 Memberships	38,791	50,000	75,000	77,500	2,500	3.33%
6300 Miscellaneous	0	0	0	0	0	N/A
6400 Office Expense	2,336	2,000	0	2,000	2,000	N/A
6410 Postage	2,744	3,000	0	1,000	1,000	N/A
6415 Books/Periodicals	780	1,000	0	1,000	1,000	N/A
6430 Printing	1,756	2,000	0	1,000	1,000	N/A
6461 Supplies / Expenses	54,443	55,000	50,000	50,000	0	0.00%
6500 Professional / Special Svcs	0	0	0	0	0	N/A
6512 Testing / Analysis	116,513	135,000	155,000	135,000	(20,000)	(12.90%)
6516 Data Processing Servies	256	5,000	0	5,000	5,000	N/A
6522 District Services	660,889	0	0	0	0	N/A
6523 District Operations	8,499,478	9,600,000	10,200,000	9,800,000	(400,000)	(3.92%)
6540 Contract Services	0	15,000	0	30,000	30,000	N/A
6553 Contract-Security Services	20,618	21,000	30,000	25,000	(5,000)	(16.67%)
6570 Consultant Services	290,581	450,000	1,101,000	1,395,750	294,750	26.77%
6589 Permits	0	6,000	0	6,000	6,000	N/A
6590 Engineering Services	0	0	0	0	0	N/A
6595 Feasibility Study	0	0	0	0	0	N/A
6610 Legal Services	6,021	25,000	50,000	50,000	0	0.00%
6616 Change of Venue	0	0	0	0	0	N/A
6635 Fiscal Agent Fees	0	0	0	0	0	N/A
6654 Medical Examinations	0	0	0	0	0	N/A
6706 Water Quality	0	0	0	0	0	N/A
6710 Film Program	0	0	0	0	0	N/A
6800 Public/Legal Notices	2,093	2,000	5,000	5,000	0	0.00%
6820 Rents and Leases-Equip	84,688	100,000	74,000	85,000	11,000	14.86%
6840 Rents and Leases-Bldg/Imp	0	0	0	0	0	N/A
6880 Small Tools - Instruments	81,495	90,000	50,000	90,000	40,000	80.00%
6889 Software	16,645	210,000	210,000	120,000	(90,000)	(42.86%)
6890 Computer Hardware	9,416	10,000	0	10,000	10,000	N/A
7052 Out of State Use Tax	0	0	0	0	0	N/A
7110 Professional Development Admin Mgmt	0	0	0	0	0	N/A
7120 Training-in-Service	16,640	17,000	5,000	18,000	13,000	260.00%
7130 Tuition / Textbook	0	0	0	0	0	N/A
7201 Gas / Oil	2,512	5,000	4,000	5,000	1,000	25.00%
7206 Equipment Usage Charge	664,338	749,000	600,000	750,000	150,000	25.00%
7212 Chlorine Chem/Recorder	735,030	759,000	1,050,000	850,000	(200,000)	(19.05%)
7217 State Permits / Fees	39,645	40,000	25,000	40,000	15,000	60.00%
7247 Water Conservation Prog	0	0	0	0	0	N/A
7250 Reimbursable Projects	0	2,000	0	2,000	2,000	N/A
7277 Recycled Water Use Prog	0	0	0	0	0	N/A
7296 FERC Fees / Costs	4,353	5,000	5,000	5,000	0	0.00%
7297 Riverfront Park Levee Maintenance	7,128	40,000	40,000	40,000	0	0.00%
7301 County Car Expense	0	0	0	0	0	N/A
7302 Travel Expense	22,044	22,000	20,000	20,000	0	0.00%
7303 Private Car Expense	2,248	2,000	2,500	2,000	(500)	(20.00%)

Section Title:

Water Transmission System Agency Fund

Section/Index No:

675108

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
7320 Utilities	299	1,000	1,000	1,000	0	0.00%
7394 Power	4,475,440	4,700,000	4,900,000	4,700,000	(200,000)	(4.08%)
7480 Expense applicable to Prior Year	0	0	0	0	0	N/A
SUBTOTAL	16,721,816	18,224,362	19,990,500	19,623,250	(367,250)	(1.84%)
<u>OTHER CHARGES</u>						
7920 Interest Expense	0	120,618	58,956	43,146	(15,810)	(26.82%)
7924 Interest-PY	(7,243)	0	0	0	0	N/A
7980 Depreciation	5,287,938	5,580,182	5,500,000	5,700,000	200,000	3.64%
7981 Amortization	0	27,110	0	129,000	129,000	N/A
8010 Contribution to Non-County	0	0	0	0	0	N/A
8090 Loss on Fixed Assets	0	0	0	0	0	N/A
SUBTOTAL	5,280,695	5,727,910	5,558,956	5,872,146	313,190	5.63%
<u>FIXED ASSETS</u>						
8510 Buildings / Improvements	237	70,000	0	70,000	70,000	N/A
8515 Engineering Costs	541	9,000	0	0	0	N/A
8517 Admnsitration	458	9,000	0	0	0	N/A
8533 SCWA-New Metered Ser	1,152	20,000	20,000	20,000	0	0.00%
8560 Equipment	529,964	430,000	430,000	30,000	(400,000)	(93.02%)
8562 Comp/Word Process Equip	0	0	0	0	0	N/A
8571 Field Equipment	0	0	0	0	0	N/A
8572 Laboratory Equipment	0	0	0	0	0	N/A
8573 Mobile Equipment	0	0	0	0	0	N/A
8574 Shop Equipment	0	0	0	0	0	N/A
9482 Amort WIP Outlay	60,000	100,000	0	0	0	N/A
SUBTOTAL	592,352	638,000	450,000	120,000	(330,000)	(73.33%)
<u>OTHER FINANCING USES</u>						
8625 OT - W/in Special Dist	9,357,507	12,294,205	12,682,156	11,766,293	(915,863)	(7.22%)
SUBTOTAL	9,357,507	12,294,205	12,682,156	11,766,293	(915,863)	(7.22%)
<u>APPROP. FOR CONTINGENCIES</u>						
9000 Approp. for Contingencies	0	140,000	140,000	140,000	0	0.00%
SUBTOTAL	0	140,000	140,000	140,000	0	0.00%
<u>ADMIN. CONTROL ACCOUNT</u>						
9200 Ent - Principal	0	266,752	266,752	282,562	15,810	5.93%
9209 Ent - Principal Clearing	0	(266,752)	(266,752)	(282,562)	(15,810)	5.93%
SUBTOTAL	0	0	0	0	0	N/A
<u>PRIOR YEAR ENCUMBRANCE EXPENSE</u>						
9614 PY Enc - Maintenance Equip	30,080	0	0	0	0	N/A
9618 PY Enc - Maintenance Bldgs/Imp	0	0	0	0	0	N/A
9640 PY Enc - Office Expense	0	0	0	0	0	N/A
9650 PY Enc - Profess / Special	668,586	0	0	0	0	N/A
9688 PY Enc - Small Tools / Instruments	0	0	0	0	0	N/A
9700 PY Enc - Special Dept Exp	0	0	0	0	0	N/A
9852 PY Enc - Bldg / Imp / Equip	0	0	0	0	0	N/A
9853 PY Enc - Equip	163,043	0	0	0	0	N/A
SUBTOTAL	861,709	0	0	0	0	N/A
TOTAL EXPENDITURES	32,814,079	37,024,477	38,821,612	37,521,689	(1,299,923)	(3.35%)
Depreciation/Amortization	5,287,938	5,607,292		5,829,000		
Outstanding Encumbrances - (Decrease) Fund Balance	461,511	0		0		

Section Title:

Water Transmission System Agency Fund

Section/Index No:

675108

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
PY Encumbrances				0		
Change in Prudent Reserve	0	(250,000)		0		
Post Audit Adjustments-Payables	0	0		0		
Post Audit Adjustments-Receivables	0	0		0		
Post Audit Adjustments-Inventory	0	0		0		
Post Audit Adjustments-Prepaid Expense	0	0		0		
Increase in Recycled/Conservation Deposits	0	0		0		
Capitalized Interest	(7,243)	0		0		
Gain/Loss of Disposal of Fixed Asset	0	0		0		
Reclass of Prior Year Asset	0	0		0		
ENDING FUND BALANCE	6,810,781	4,809,241		5,664,177		

*Operations and Maintenance 675108 Fund Balance Reserve Goal
Over/(Under) Goal*

5,013,849
650,328

Water Transmission System Agency Fund
Major Services & Supplies Expenditure Items

Sub-Object No. and Title	Actual FY 10-11	Adopted FY 11-12	Requested FY 12-13	Difference	Percent Change
<u>6140 Maintenance - Equipment</u> See Project List on page A-12 for detail.	695,788	1,024,000	1,200,000	176,000	17.2%
<u>6180 Maintenance - Projects</u> Starting in Fy 2012/13 the costs to maintain the pumping, storage, pipeline and hydro-electric facilities will be budgeted in 6140.	75,853	234,000	0	(234,000)	-100.0%
<u>6280 Memberships</u> Reflects level of actual expenditures.	38,791	75,000	77,500	2,500	3.3%
<u>6461 Supplies / Expenses</u> No change from prior year.	54,443	50,000	50,000	0	0.0%
<u>6512 Testing / Analysis</u> Anticipated lower costs based on prior year actuals.	116,513	155,000	135,000	(20,000)	-12.9%
<u>6523 District Operations</u> Reflects MTO and held vacancies.	8,499,478	10,200,000	9,800,000	(400,000)	-3.9%
<u>6570 Consultant Services</u> See Consultant Services Project List for detail on page A-13.	290,581	1,101,000	1,395,750	294,750	26.8%
<u>6610 Legal Services</u> No change from prior year.	6,021	50,000	50,000	0	0.0%
<u>6880 Small Tools - Instruments</u> Anticipated higher costs based on prior year actuals.	81,495	50,000	90,000	40,000	80.0%
<u>6889 Software</u> This item is requested to provide continuing support for the IBM Collaboration Platform development.	16,645	210,000	120,000	(90,000)	-42.9%
<u>7206 Equipment Usage Charge</u> Increased expenditures based on prior year actuals and maintenance required.	664,338	600,000	750,000	150,000	25.0%
<u>7212 Chlorine Chemical / Recorder</u> Reflects level of actual expenditures.	735,030	1,050,000	850,000	(200,000)	-19.0%
<u>7394 Power</u> No change from prior year.	4,475,440	4,900,000	4,700,000	(200,000)	-4.1%
<u>8560 Equipment</u> Reflects change in how we account for some "maintenance" projects. Many projects that were previously budgeted under "6180" are now budgeted here.	529,964	430,000	30,000	(400,000)	-93.0%

FY 2012-13 BUDGET

Water Transmission System Agency Fund

	DESCRIPTION - 6180 Maintenance Buildings	AMOUNT
1	Combined with 6140	
	6180 Total	\$ -

	DESCRIPTION - 6140 Maintenance -Contracts and Equipment	AMOUNT
1	Electrical Supplies and Maintenance Services	300,000
2	Pump and Pipeline Supplies and Maintenance Services	250,000
3	Hardware and Miscellaneous Supplies	160,000
4	Water Treatment Systems Supplies and Maintenance Services	80,000
5	Safety Equipment and Safety Equipment Testing	70,000
6	Grounds Maintenance	40,000
7	Prefunding Cotati Tank #3 Recoat	300,000
	6140 Total	\$ 1,200,000

Water Transmission Agency Fund, #675108
 Multi-Year Subobject Review
 FY 2012-13 BUDGET

Subobject Title	Subobject Number	Actual FY 05/06	Actual FY 06/07	Actual FY 07/08	Actual FY 08/09	Actual FY 09/10	Actual FY 10/11	Estimate FY 11/12	Budget FY 12-13
Maintenance - Equipment	6140	114,538	1,777,109	1,036,922	927,284	865,722	695,788	765,000	1,200,000
Maintenance - Bldg/lmp	6180	7,344,865	1,949,675	1,880,212	495,840	272,670	75,953	234,000	0
District Administration	6522	5,682,854	5,722,654	8,047	9,169	6,344	860,889	0	0
District Operations	6523	0	3,208,841	10,569,056	10,820,013	10,052,380	8,495,478	9,600,000	9,800,000
Total of the Four Cost Categories		\$ 13,142,257	\$ 12,666,479	\$ 13,514,247	\$ 12,252,316	\$ 11,207,096	\$ 9,932,008	\$ 10,599,000	\$ 11,000,000
<i>Percentage Change from Prior Year</i>			-3.66%	6.76%	-9.34%	-8.53%	-11.38%	6.72%	3.78%

These subobjects are combined to allow review of SCWA labor expenses. In mid-year FY 08/07, an accounting change was processed to isolate SCWA labor costs to subobject 6523. Prior to that accounting change, SCWA labor costs were included within subobjects 6140, 6180, and 6523.

Subobject Title	Subobject Number	Actual FY 05/06	Actual FY 06/07	Actual FY 07/08	Actual FY 08/09	Actual FY 09/10	Actual FY 10/11	Estimate FY 11/12	Budget FY 12-13
Consulting Service	6570	\$ 590,672	\$ 693,373	\$ 712,693	\$ 860,688	\$ 653,965	\$ 290,581	\$ 450,000	\$ 1,395,750
<i>Percentage Change from Prior Year</i>			17.39%	2.77%	20.78%	-24.02%	-55.57%	54.86%	210.17%

Itemized Detail for 6570 Consulting Services

DESCRIPTION	Budget FY 12-13
Collector 1&2 Rehab Feasibility Study	125,000
LBNL Wohler Geophysics (phase 2 & 3)	15,000
LHMP Update / Program Design	75,000
Energy Optimization	30,000
USGS Water Quality (Diversion Facilities) and SW/CSW Studies	40,000
Rate Study	60,000
Surface Water/Groundwater Model (HEC)	100,000
Dry Creek Stream Gauges	35,000
Engineering Services	100,000
Operations Support	15,000
IRWMPs	97,500
Conservation strategy group	25,000
Legislative Advocacy	50,000
Natural Resource Results	15,000
Miscellaneous Small Projects	14,250
Programmable Logic Control and Maintenance	15,000
Tank Inspection & Cleaning	50,000
Catholic Protection Design Agreements	50,000
Water Shortage Allocation Methodology	90,000
5-Year Water Quality Study	150,000
6570 Total	\$ 1,151,750

Subobject Title	Subobject Number	Actual FY 05/06	Actual FY 06/07	Actual FY 07/08	Actual FY 08/09	Actual FY 09/10	Actual FY 10/11	Estimate FY 11/12	Budget FY 12-13
Power Usage Review	7394	\$ 2,814,785	\$ 3,237,565	\$ 5,930,313	\$ 4,928,287	\$ 3,739,841	\$ 4,475,440	\$ 4,700,000	\$ 4,700,000
<i>Percentage Change from Prior Year</i>			15.02%	83.17%	-16.90%	-24.11%	20%	5%	0%

Water Transmission System Agency Fund
Local Supply / Recycled Water / Tier 2 Programs
Balance as of January 13, 2012

Contractor	10-Year Allocation	Amount Approved	Amount Disbursed	Balance Available
Santa Rosa	\$5,065,236	\$4,003,876	\$3,908,003	1,157,233
Petaluma	2,197,913	2,197,913	2,197,913	0
MMWD	1,724,026	1,000,000	1,000,000	724,026
NMWD	1,846,726	1,846,726	1,846,726	0
Rohnert Park	649,629	649,629	0	649,629
VOM WD	627,875	627,875	627,875	0
Sonoma	539,411	450,000	264,294	275,117
Windsor	86,996	86,996	86,996	0
Cotati	157,235	0	0	157,235
Forestville	104,953	104,953	104,953	0
TOTAL	\$13,000,000	\$10,967,968	\$10,036,760	\$2,963,240

Program started June 30, 2000 - No end date specified.

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: **Storage Facilities**

Section/Index No: **675405**

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	695,194	584,648		70,537		

REVENUES

USE OF MONEY / PROPERTY

1700 Interest on Pooled Cash	4,294	4,070	4,070	1,250	(2,820)	(69.29%)
SUBTOTAL	4,294	4,070	4,070	1,250	(2,820)	(69.29%)

MISCELLANEOUS REVENUE

4102 Donations/Reimbursements (Petaluma AQ - Caltrans Project)	0	150,000	0	0	0	N/A
SUBTOTAL	0	150,000	0	0	0	N/A

CHARGES FOR SERVICES

3145 Plans/Specs	60	0	0	0	0	N/A
SUBTOTAL	60	0	0	0	0	N/A

OTHER FINANCING SOURCES

4625 OT - W/in Special Dist	16,874	0	0	740,000	740,000	N/A
SUBTOTAL	16,874	0	0	740,000	740,000	N/A

Residual Equity Transfer In

4865 Residual Equity Transfer In	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

TOTAL REVENUES	21,228	154,070	4,070	741,250	737,180	18112.53%
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EXPENDITURES

OTHER CHARGES

7924 Interest - Prior Year	(8,781)	0	0	0	0	N/A
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FIXED ASSETS

8510 Buildings/Improvements	40,491	0	0	90,000	90,000	N/A
8515 Engineering Costs	18,813	83,665	0	0	0	N/A
8517 Adminsitration	16,572	0	0	0	0	N/A
8542 Kawana Springs Reservoir	0	0	0	0	0	N/A
9137 Eldridge Booster Pump	0	0	0	0	0	N/A
9144 Reservoir inlet/outlet	0	0	0	0	0	N/A
9150 Kawana Spg Res. Pipeline	0	0	0	0	0	N/A
9151 Pipeline Rights - City of Sant	0	0	0	0	0	N/A
9153 Reservoir Siesmic Valves	0	0	0	0	0	N/A
9157 Cotati Res. Revegetation	0	0	0	0	0	N/A
8543 Petaluma Aque Relocation	45,696	300,000	150,000	300,000	150,000	100.00%
9162 Kawana to Ralphine Tanks	10,202	284,516	75,000	350,000	275,000	366.67%

9168 Kawana Springs Tank # 2	0	0	0	0	0	N/A
9171 Oakmont Pipeline	0	0	0	0	0	N/A
SUBTOTAL	131,774	668,181	225,000	740,000	515,000	228.89%
TOTAL EXPENDITURES	122,993	668,181	225,000	740,000	515,000	228.89%
Outstanding Encumbrances - Net C	0	0				
Long Term Debt proceeds	0	0				
Capitalized Interest	(8,781)	0		0		
CIP Adjustment	0					
ENDING FUND BALANCE	584,648	70,537		71,787		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities Revenue Bond - 2003A

Section/Index No: 675462

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	\$256,881	\$309,202		\$360,409		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	1,741	1,304	1,304	1,185	(119)	(9.13%)
1701 Interest Earned	54	0	0	0	0	N/A
SUBTOTAL	1,795	1,304	1,304	1,185	(119)	(9.13%)
<u>ADMINISTRATIVE CONTROL</u>						
4200 Long Term Debt Proceeds	0	0	0	0	0	N/A
4209 Long Term Debt Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	357,755	358,508	358,508	357,683	(825)	(0.23%)
SUBTOTAL	357,755	358,508	358,508	357,683	(825)	(0.23%)
TOTAL REVENUES	359,550	359,812	359,812	358,868	(944)	(0.26%)
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
6635 Fiscal Agent Fees	783	1,500	1,500	1,500	0	0.00%
6640 Debt Insurance Costs	2,822	2,822	2,822	2,822	0	0.00%
SUBTOTAL	3,605	4,322	4,322	4,322	0	0.00%
<u>OTHER CHARGES</u>						
7920 Interest	191,620	187,622	187,622	182,250	(5,372)	(2.86%)
7923 Discount / Bonds	319	319	319	319	0	0.00%
SUBTOTAL	191,939	187,941	187,941	182,569	(5,372)	(2.86%)
<u>OTHER FINANCING USES</u>						
8625 OT - W/in Special Dist	0	0	0	240,000	240,000	N/A
SUBTOTAL	0	0	0	240,000	240,000	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
9200 Ent - Principal	114,828	119,483	119,483	124,138	4,655	3.90%
9209 Ent - Principal Clearing	(114,828)	(119,483)	(119,483)	(124,138)	(4,655)	3.90%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	195,544	192,263	192,263	426,891	234,628	122.03%
Increase in Bonds Payable	0	0		0		
Amort. of Bond Issuance Costs	3,141	3,141		3,141		
Principal Payment	(114,826)	(119,483)		(124,138)		
ENDING FUND BALANCE	\$309,202	\$360,409		\$171,389		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities Revenue Bonds 2006

Section/Index No: 675488

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	\$416,964	\$467,253		\$534,553		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	2,722	4,065	4,065	1,500	(2,565)	(63.10%)
1701 Interest Earned	69	0	0	0	0	N/A
SUBTOTAL	2,791	4,065	4,065	1,500	(2,565)	(63.10%)
<u>ADMINISTRATIVE CONTROL</u>						
4200 Long Term Debt Proceeds	0	0	0	0	0	N/A
4209 Long Term Debt Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	449,236	449,721	449,721	449,964	243	0.05%
SUBTOTAL	449,236	449,721	449,721	449,964	243	0.05%
TOTAL REVENUES	452,027	453,786	453,786	451,464	(2,322)	(0.51%)
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
6635 Fiscal Agent Fees	1,301	2,500	2,500	2,500	0	0.00%
6640 Debt Insurance Costs	4,575	4,576	4,576	4,576	0	0.00%
SUBTOTAL	5,876	7,076	7,076	7,076	0	0.00%
<u>OTHER CHARGES</u>						
7920 Interest	262,044	257,184	257,184	252,112	(5,072)	(1.97%)
7922 Premium-Call Bonds	(2,223)	0	0	0	0	N/A
SUBTOTAL	259,821	257,184	257,184	252,112	(5,072)	(1.97%)
<u>OTHER FINANCING USES</u>						
8625 OT - W/in Special Dist	16,874	0	0	500,000	500,000	N/A
SUBTOTAL	16,874	0	0	500,000	500,000	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
9200 Ent - Principal	121,518	126,802	126,802	132,085	5,283	4.17%
9209 Ent - Principal Clearing	(121,518)	(126,802)	(126,802)	(132,085)	(5,283)	4.17%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	282,571	264,260	264,260	759,188	494,928	187.29%
Cost of Issuance	0			0		
Restricted Cash w/Fiscal Agent	0			0		
Increase in Bonds Payable	0	0		0		
Amort of Bond Premium	0	0		0		
Amort. of Bond Issuance Costs	2,352	4,576		4,576		
Long Term Debt Proceeds	0	0		0		
Principal Payment	(121,519)	(126,802)		(132,085)		
Post-Audit Adjustment - Closing COI Funds	0			0		
ENDING FUND BALANCE	\$467,253	\$534,553		\$99,320		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Pipeline Facilities

Section/Index No:

675413

Subobject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	1,013,236	628,061		87,759		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	6,316	5,698	5,698	2,500	(3,198)	-56.12%
SUBTOTAL	6,316	5,698	5,698	2,500	(3,198)	-56.12%
<u>INTERGOVERNMENTAL REVENUE</u>						
2852 Federal Grants	71,253	0	0	0	0	N/A
SUBTOTAL	71,253	0	0	0	0	N/A
<u>MISCELLANEOUS REVENUE</u>						
4102 Donations/Reimbursements	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	19,878	1,161,000	1,161,000	2,534,000	1,373,000	118.26%
SUBTOTAL	19,878	1,161,000	1,161,000	2,534,000	1,373,000	118.26%
TOTAL REVENUES	97,447	1,166,698	1,166,698	2,536,500	1,369,802	117.41%
EXPENDITURES						
<u>FIXED ASSETS</u>						
8510 Buildings/Improvements	175	0	0	0	0	N/A
8515 Engineering Costs	15,188	0	0	0	0	N/A
8517 Admistration	13,512	0	0	0	0	N/A
8543 Petaluma Aq Relocation - Kastania	0	0	0	0	0	N/A
9106 Santa Rosa Aqueduct Sections 2 & 3 (Slusser to Pet Aq)	0	562,000	322,000	825,000	503,000	156.21%
9115 Wohler Santa Rosa Pipeline	0	0	0	0	0	N/A
9128 Local Hazard Mitigation	71,280	800,000	0	1,094,000	1,094,000	N/A
9154 Petaluma Aqueduct	11,808	300,000	714,000	290,000	(424,000)	(59.38%)
9163 Eldridge-Madrone Pipeline	0	0	0	0	0	N/A
9174 South Trans. Syst. Pipeline	0	0	0	0	0	N/A
9192 Sonoma Aqueduct	0	45,000	125,000	325,000	200,000	160.00%
9482 Amort WIP Outlay	345	0	0	0	0	N/A
SUBTOTAL	112,308	1,707,000	1,161,000	2,534,000	1,373,000	118.26%
<u>OTHER CHARGES</u>						
7924 Interest - Prior Year	(120,184)	0	0	0	0	N/A
	(120,184)	0	0	0	0	N/A
TOTAL EXPENDITURES	(7,876)	1,707,000	1,161,000	2,534,000	1,373,000	118.26%
Outstanding Encumbrances - Net Change	(370,314)	0				
Capitalized Interest	(120,184)	0				
CIP Adjustment	0					
ENDING FUND BALANCE	628,061	87,759		90,259		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Sonoma Aqueduct Revenue Bonds

Section/Index No: 675470

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	\$426,294	\$470,625		\$463,811		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	2,807	2,233	2,233	2,030	(203)	(9.09%)
1701 Interest Earned	45	0	0	0	0	N/A
SUBTOTAL	2,852	2,233	2,233	2,030	(203)	(9.09%)
<u>ADMINISTRATIVE CONTROL</u>						
4200 Long Term Debt Proceeds	0	0	0	0	0	N/A
4209 Long Term Debt Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	294,115	294,175	294,175	294,056	(119)	(0.04%)
SUBTOTAL	294,115	294,175	294,175	294,056	(119)	(0.04%)
TOTAL REVENUES	296,967	296,408	296,408	296,086	(322)	(0.11%)
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
6635 Fiscal Agent Fees	667	1,200	1,200	1,200	0	0.00%
6640 Debt Insurance Costs	2,320	2,320	2,320	2,320	0	0.00%
SUBTOTAL	2,987	3,520	3,520	3,520	0	0.00%
<u>OTHER CHARGES</u>						
7920 Interest	157,555	153,780	153,780	149,850	(3,930)	(2.56%)
7923 Discount / Bonds	262	262	262	262	0	0.00%
SUBTOTAL	157,817	154,042	154,042	150,112	(3,930)	(2.55%)
<u>OTHER FINANCING USES</u>						
8625 OT - W/in Special Dist	0	50,000	50,000	325,000	275,000	550.00%
SUBTOTAL	0	50,000	50,000	325,000	275,000	550.00%
<u>ADMIN. CONTROL ACCOUNT</u>						
9200 Ent - Principal	94,414	98,242	98,242	102,069	3,827	3.90%
9209 Ent - Principal Clearing	(94,414)	(98,242)	(98,242)	(102,069)	(3,827)	3.90%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	160,804	207,562	207,562	478,632	271,070	130.60%
Increase in Bonds Payable	0	0				
Amort. of Bond Issuance Costs	2,582	2,582		2,582		
Principal Payments on Bonds	(94,414)	(98,242)		(102,069)		
ENDING FUND BALANCE	\$470,625	\$463,811		\$181,778		

FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title: Common Facilities

Section/Index No: 675421

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	(602,376)	(946,262)		(621,851)		

REVENUES

USE OF MONEY / PROPERTY

1700 Interest on Pooled Cash	(6,686)	(32,790)	(1,100)	(1,000)	100	(9.09%)
SUBTOTAL	(6,686)	(32,790)	(1,100)	(1,000)	100	(9.09%)

Intergovernmental Revenue

4304 Federal Grant	0	255,132	0	0	0	N/A
SUBTOTAL	0	255,132	0	0	0	N/A

Charges for Services

3980 Revenue Apply to PY	6,167	0	0	0	0	N/A
SUBTOTAL	6,167	0	0	0	0	N/A

Miscellaneous Revenues

4040 Miscellaneous Revenue	0	0	0	0	0	N/A
4102 Donations/Reimbursements	0	0	0	300,000	300,000	N/A
4109 Outdate/Cancel Warrants	330	0	0	0	0	N/A
4303 State Grants	1,200	0	0	0	0	N/A
SUBTOTAL	1,530	0	0	300,000	300,000	N/A

ADMINISTRATIVE CONTROL

4210 Advances	0	0	0	6,959,124	6,959,124	N/A
4219 Advances - Clearing	0	0	0	(6,959,124)	(6,959,124)	N/A
SUBTOTAL	0	0	0	0	0	N/A

OTHER FINANCING SOURCES

4625 OT - W/in Special Dist	1,369,633	2,545,399	2,727,708	3,825,384	1,097,676	40.24%
SUBTOTAL	1,369,633	2,545,399	2,727,708	3,825,384	1,097,676	40.24%
TOTAL REVENUES	1,370,644	2,767,741	2,726,608	4,124,384	1,397,776	51.26%

EXPENDITURES

OTHER CHARGES

7480 Exp Applicable to Prior Year	0	0	0	0	0	N/A
7920 Interest Payment	0	0	0	277,146	277,146	N/A
7924 Capital Interest	(656,873)	0	0	0	0	N/A
8090 Loss on Fixed Assets	69,174	0	0	0	0	N/A
SUBTOTAL	(587,699)	0	0	277,146	277,146	N/A

FIXED ASSETS

8500 Land	0	0	0	0	0	N/A
8510 Buildings / Improvements	7,783	350,000	350,000	1,825,000	1,475,000	421.43%
8515 Engineering Costs	56,237	0	0	0	0	N/A
8517 Administration	47,896	0	0	0	0	N/A
8528 Mirabel Generator	0	0	0	0	0	N/A
8529 Isolation Valves & Meters	205,468	191,330	150,000	133,000	(17,000)	(11.33%)

Section Title:

Common Facilities

Section/Index No:

675421

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
8552 Forestville Storage Tank 1.14 (c) and (d)	105,482	722,000	722,000	0	(722,000)	(100.00%)
8558 Collector 1 & 2 Aq Exp	0	0	0	0	0	N/A
8559 Early Warning System	0	0	0	0	0	N/A
8625 Unclaimable OT within Special Districts	0	0	0	0	0	N/A
9105 Mirabel Fish Screen Replacement	20,506	200,000	0	6,309,000	6,309,000	N/A
9107 Air Valves	373,197	370,000	370,000	541,000	171,000	46.22%
9108 Aquifer Sediments Geochemical Study	0	0	0	0	0	N/A
9109 Surface Water/Groundwater Model HEC	0	0	0	0	0	N/A
9110 Surge Protection	0	0	0	0	0	N/A
9112 Mirabel Site Improvement	0	0	0	0	0	N/A
9113 Wohler Site Improvement	0	0	200,000	0	(200,000)	(100.00%)
9114 River Well Field Develop	0	0	0	0	0	N/A
9115 Mirabel Inflatable Dam	0	0	0	0	0	N/A
9125 Sonoma Booster Upgrade	0	0	0	0	0	N/A
9128 Local Hazard Mitigation	71,578	610,000	610,000	1,179,000	569,000	93.28%
9130 Trans System Exp - Water Project EIR, Dry Creek Feasibility Study, Mirabel/Cotati Feasibility Study, Flow EIR, Spring Lake Groundwater, Phase II 12 kv Project	439	0	0	0	0	N/A
9136 Production Wells Improv.	0	0	0	0	0	N/A
9138 River Road Site Improve.	0	0	0	0	0	N/A
9152 Pump & Collector Capacity	0	0	0	0	0	N/A
9159 Pump & Collector Capacity	0	0	0	0	0	N/A
9163 Eldridge-Madrone Pipeline	0	0	0	0	0	N/A
9164 Emergency Power for Trans. System	0	0	0	0	0	N/A
9170 River Front Park Recl.	0	0	0	0	0	N/A
9172 Water Education Facility	0	0	0	0	0	N/A
9175 Wohler Mirabel 12KV	0	0	0	0	0	N/A
9176 Mirabel - Cotati Pipeline	0	0	0	0	0	N/A
9177 Dry Creek Bypass Pipeline	0	0	0	0	0	N/A
9193 Auto Meter Infrastructure	38,195	0	0	0	0	N/A
9480 Intangible Assets	3	0	0	0	0	N/A
9482 Amort WIP Outlay	604	0	0	0	0	N/A
SUBTOTAL	927,388	2,443,330	2,402,000	9,987,000	7,585,000	315.78%
OTHER FINANCING USES						
8625 OT - W/in Special Dist	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
9210 Advances	0	0	0	123,256	123,256	N/A
9219 Advances - Clearing	0	0	0	(123,256)	(123,256)	N/A
SUBTOTAL	0	0	0	0	0	N/A
PRIOR YEAR ENCUMBRANCE EXPENSE						
9852 PY Enc - Bldg / Imp	19,751	0	0	0	0	N/A
SUBTOTAL	19,751	0	0	0	0	N/A
TOTAL EXPENDITURES	359,440	2,443,330	2,402,000	10,264,146	7,862,146	327.32%

Section Title:

Common Facilities

Section/Index No:

675421

Subobject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
Loan	0	0		6,959,124		
Outstanding Encumbrances - Net Change	(767,391)	0		0		
Capitalized Interest	(656,873)	0		0		
Proceeds from State Loan & Other LT Debt	0	0		0		
Principal payment on Loan	0	0		(123,256)		
Change in Deposit with Others	0	0		0		
Change in Contingent Liability	0	0				
PY CIP Adjustment - Reclass to PY Exp	69,174					
ENDING FUND BALANCE	(946,262)	(621,851)		74,255		

FY 2012-13 BUDGET
Common Facilities - Section 675421
Detailed Listing of Capital Projects

SUB-OBJECT DESCRIPTION	Project & Subobject FY 2012-13 BUDGET
8510 Buildings and Improvements	
DESCRIPTION	
Mirabel Potable Water Line	0
Billing Meter Replacement	400,000
Collector 6 Chlorine Solution Lines	25,000
Mirabel Surge Control	200,000
Water Agency Westside Facility	1,200,000
	1,825,000
8528 Mirabel Generator	
DESCRIPTION	
Mirabel Generator	TBD
	0
	8528 Total 0
8529 Isolation Valves and Meters	
DESCRIPTION	
Isolation Valves	7379
	133,000
	8529 Total 133,000
9105 Mirabel Fish Screen Replacement	
DESCRIPTION	
Fish Screen Replacement	7357, 7532
	6,309,000
	9105 Total 6,309,000
9107 Air Valves	
DESCRIPTION	
Air Valves	7429
	541,000
	9107 Total 541,000
9128 Local Hazard Mitigation Projects	
DESCRIPTION	
RDS Liquefaction Mitigation	0
Collector 6 Liquefaction Mitigation	0
RR Crossing	405,000
MW Creek Crossing	554,000
Mirabel Dam Emergency Response Plan	0
Collector 3 and 5 Liquefaction Mitigation Predesign	TBD
	220,000
	9128 Total 1,179,000
9482 - Amort WIP Outlay	
DESCRIPTION	
IBM Collaboration Platform (moved to GF w/WT support services s/o 6889)	0
	0

Total Common Facilities \$ 9,987,000

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds - 2003 A

Section/Index No:

675454

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEG. FUND BALANCE	\$222,543	\$294,384		\$365,286		
REVENUES						
USE OF MONEY / PROPERTY						
1700 Interest on Pooled Cash	1,559	1,238	1,238	1,000	(238)	(19.22%)
1701 Interest Earned	76	0	0	0	0	N/A
SUBTOTAL	1,635	1,238	1,238	1,000	(238)	(19.22%)
ADMINISTRATIVE CONTROL						
4200 Long Term Debt Proceeds	0	0	0	0	0	N/A
4209 Long Term Debt Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
4625 OT - W/in Special Dist	500,280	500,380	500,380	500,180	(200)	(0.04%)
SUBTOTAL	500,280	500,380	500,380	500,180	(200)	(0.04%)
TOTAL REVENUES	501,915	501,618	501,618	501,180	(438)	(0.09%)
EXPENDITURES						
SERVICES AND SUPPLIES						
6635 Fiscal Agent Fees	1,047	1,600	1,600	1,600	0	0.00%
6640 Debt Insurance Costs	3,950	3,951	3,951	3,951	0	0.00%
SUBTOTAL	4,997	5,551	5,551	5,551	0	0.00%
OTHER CHARGES						
7920 Interest	268,269	261,840	261,840	255,148	(6,692)	(2.56%)
7923 Discount / Bonds	446	446	446	446	0	0.00%
SUBTOTAL	268,715	262,286	262,286	255,594	(6,692)	(2.55%)
OTHER FINANCING USES						
8625 OT - W/in Special Dist	0	0	0	400,000	400,000	N/A
SUBTOTAL	0	0	0	400,000	400,000	N/A
ADMIN. CONTROL ACCOUNT						
9200 Ent - Principal	160,759	167,276	167,276	173,794	6,518	3.90%
9209 Ent - Principal Clearing	(160,759)	(167,276)	(167,276)	(173,794)	(6,518)	3.90%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	273,712	267,837	267,837	661,145	393,308	146.85%
Increase in Bonds Payable	0	0		0		
Amort. of Bond Issuance Costs	4,397	4,397		4,397		
Long Term Debt Proceeds						
Principal Payment	(160,759)	(167,276)		(173,794)		
ENDING FUND BALANCE	\$294,384	\$365,286		\$35,924		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities Revenue Bonds 2006

Section/Index No: 675496

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEG. FUND BALANCE	\$118,970	\$177,370		\$229,885		
REVENUES						
USE OF MONEY / PROPERTY						
1700 Interest on Pooled Cash	813	825	825	750	(75)	(9.09%)
1701 Interest Earned	61	0	0	0	0	N/A
SUBTOTAL	874	825	825	750	(75)	(9.09%)
ADMINISTRATIVE CONTROL						
4200 Long Term Debt Proceeds	0	0	0	0	0	N/A
4209 Long Term Debt Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
4625 OT - W/in Special Dist	401,125	401,125	401,557	401,774	217	0.05%
SUBTOTAL	401,125	401,125	401,557	401,774	217	0.05%
TOTAL REVENUES	401,999	401,950	402,382	402,524	142	0.04%
EXPENDITURES						
SERVICES AND SUPPLIES						
6635 Fiscal Agent Fees	1,183	2,300	2,300	2,300	0	0.00%
6640 Debt Insurance Costs	4,085	4,085	4,085	4,085	0	0.00%
SUBTOTAL	5,268	6,385	6,385	6,385	0	0.00%
OTHER CHARGES						
7920 Interest	233,934	233,936	229,596	225,068	(4,528)	(1.97%)
7922 Premium-Call Bonds	(1,984)	0	0	0	0	N/A
SUBTOTAL	231,950	233,936	229,596	225,068	(4,528)	(1.97%)
OTHER FINANCING USES						
8625 OT - W/in Special Dist	0	0	0	250,000	250,000	N/A
SUBTOTAL	0	0	0	250,000	250,000	N/A
ADMIN. CONTROL ACCOUNT						
9200 Ent - Principal	108,482	113,199	113,199	117,916	4,717	4.17%
9209 Ent - Principal Clearing	(108,482)	(113,199)	(113,199)	(117,916)	(4,717)	4.17%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	237,218	240,321	235,981	481,453	245,472	104.02%
Cost of Issuance	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Increase in Bonds Payable	0	0		0		
Amort of Bond Premium	(1,984)	0		0		
Amort. of Bond Issuance Costs	4,085	4,085		4,085		
Long Term Debt Proceeds	0	0		0		
Principal Payment	(108,482)	(113,199)		(117,916)		
Post-Audit Adjustment -						
Closing COI Funds	0	0		0		
ENDING FUND BALANCE	\$177,370	\$229,885		\$37,125		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Debt Service Fund

Section/Index No: 675439

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	\$105,354	\$247,824		\$407,500		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	4,317	3,641	3,641	3,500	(141)	(3.87%)
1701 Interest Earned	0	0	0	0	0	N/A
SUBTOTAL	4,317	3,641	3,641	3,500	(141)	(3.87%)
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	1,196,268	1,196,268	1,196,268	1,196,268	(0)	(0.00%)
SUBTOTAL	1,196,268	1,196,268	1,196,268	1,196,268	(0)	(0.00%)
TOTAL REVENUES	1,200,585	1,199,909	1,199,909	1,199,768	(141)	(0.01%)
EXPENDITURES						
<u>OTHER CHARGES</u>						
7930 Interest - LT Debt	404,469	386,587	386,587	368,200	(18,387)	(4.76%)
SUBTOTAL	404,469	386,587	386,587	368,200	(18,387)	(4.76%)
<u>OTHER FINANCING USES</u>						
8625 OT - W/in Special Dist	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
9200 Ent - Principal	635,758	653,646	653,646	672,033	18,387	2.81%
9209 Ent - Principal Clearing	(635,758)	(653,646)	(653,646)	(672,033)	(18,387)	2.81%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	404,469	386,587	386,587	368,200	(18,387)	(4.76%)
Principal Payment	(635,762)	(653,646)		(672,033)		
Change in Due to Other Gov	(17,884)					
ENDING FUND BALANCE	\$247,824	\$407,500		\$567,035		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

State Loan Reserve Fund

Section/Index No:

675447

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	\$0	\$0		\$0		

REVENUES

USE OF MONEY / PROPERTY

1700 Interest on Pooled Cash	5,619	4,373	4,373	4,500	127	2.90%
1701 Interest Earned	0	0	0	0	0	N/A
SUBTOTAL	5,619	4,373	4,373	4,500	127	2.90%

OTHER FINANCING SOURCES

4625 OT - W/in Special Dist	119,627	119,627	119,627	119,627	(0)	(0.00%)
SUBTOTAL	119,627	119,627	119,627	119,627	(0)	(0.00%)
TOTAL REVENUES	125,246	124,000	124,000	124,127	127	0.10%

EXPENDITURES

OTHER FINANCING USES

8625 OT - W/in Special Dist	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	0	0	0	0	N/A
Reserve Unavail. for Budgeting	(125,246)	(124,000)		(124,127)		

ENDING FUND BALANCE	\$0	\$0		\$0		
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**Fund Balance Components at
Beginning of FY**
Cash

\$40,360	\$40,725
\$857,896	\$983,142

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: North Marin Water Deposit

Section/Index No: 675512

Subobject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	12,433	12,540		12,634		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	107	94	94	85	(9)	(9.57%)
SUBTOTAL	107	94	94	85	(9)	(9.57%)
<u>Intergovernmental Revenue</u>						
2900 Other Government Agencies	0	0	0	1,240,876	1,240,876	N/A
SUBTOTAL	0	0	0	1,240,876	1,240,876	N/A
<u>MISCELLANEOUS REVENUES</u>						
4625 OT - W/in Special Dist	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	107	94	94	1,240,961	1,240,867	1320071.28%
EXPENDITURES						
<u>OTHER CHARGES</u>						
8010 Contribution Non-Co Govt	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING USES</u>						
8625 OT - W/in Special Dist	0	0	0	1,240,876	1,240,876	N/A
SUBTOTAL	0	0	0	1,240,876	1,240,876	N/A
TOTAL EXPENDITURES	0	0	0	1,240,876	1,240,876	N/A
ENDING FUND BALANCE	12,540	12,634		12,719		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:
Section/Index No:

Santa Rosa Aqueduct Capital Fund
675207

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	5,696,127	5,775,073		5,549,241		

REVENUES

USE OF MONEY / PROPERTY

1700 Interest on Pooled Cash	36,443	31,037	31,037	25,000	(6,037)	(19.45%)
1701 Interest Earned	0	0	0	124,716	124,716	N/A
SUBTOTAL	36,443	31,037	31,037	149,716	118,679	382.38%

MISCELLANEOUS REVENUES

4035 Sale - Water Resale	0	0	0	0	0	N/A
4036 Sale - Water Government	0	0	0	0	0	N/A
4102 Reimbursements	0	0	0	0	0	N/A
4166 SR Aqueduct Capital Charge	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

ADMINISTRATIVE CONTROL ACCOUNT

4210 Advances	0	0	0	55,465	55,465	N/A
4219 Advances - Clearing	0	0	0	(55,465)	(55,465)	N/A
SUBTOTAL	0	0	0	0	0	N/A

OTHER FINANCING SOURCES

4625 OT - W/in Special Dist	62,381	65,131	66,445	211,891	145,446	218.90%
SUBTOTAL	62,381	65,131	66,445	211,891	145,446	218.90%
TOTAL REVENUES	98,824	96,168	97,482	361,607	264,125	270.95%

EXPENDITURES

OTHER FINANCING USES

8625 OT - W/in Special Dist	19,878	322,000	322,000	1,919,000	1,597,000	495.96%
SUBTOTAL	19,878	322,000	322,000	1,919,000	1,597,000	495.96%

ADMINISTRATIVE CONTROL ACCOUNT

9210 Advances	0	0	0	3,131,606	3,131,606	N/A
9219 Advances - Clearing	0	0	0	(3,131,606)	(3,131,606)	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	19,878	322,000	322,000	1,919,000	1,597,000	495.96%

Advances to Common	(3,131,606)
Increase/(Decrease) in Loan Payable	0
Principal Receipt on Advance	55,465

ENDING FUND BALANCE	5,775,073	5,549,241	915,707
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**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Petaluma Aqueduct Capital Fund
 Section/Index No: 675215

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	5,545,740	5,581,223		4,897,605		

REVENUES

USE OF MONEY / PROPERTY

1700 Interest on Pooled Cash	35,483	30,382	30,382	25,000	(5,382)	(17.71%)
1701 Interest Earned	0	0	0	152,430	152,430	N/A
SUBTOTAL	35,483	30,382	30,382	177,430	147,048	484.00%

MISCELLANEOUS REVENUES

4035 Sale - Water Resale	0	0	0	0	0	N/A
4036 Sale-Water Govt	0	0	0	0	0	N/A
4102 Reimbursements	0	0	0	0	0	N/A
4167 Petaluma Aqueduct Cap C	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

ADMINISTRATIVE CONTROL ACCOUNT

4210 Advances	0	0	0	67,791	67,791	N/A
4219 Advances - Clearing	0	0	0	(67,791)	(67,791)	N/A
SUBTOTAL	0	0	0	0	0	N/A

OTHER FINANCING SOURCES

4625 OT - W/in Special Dist	0	0	0	207,512	207,512	N/A
SUBTOTAL	0	0	0	207,512	207,512	N/A

TOTAL REVENUES	35,483	30,382	30,382	384,942	354,560	1167.01%
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EXPENDITURES

OTHER FINANCING USES

8625 OT - W/in Special Dist	0	714,000	714,000	290,000	(424,000)	(59.38%)
SUBTOTAL	0	714,000	714,000	290,000	(424,000)	(59.38%)

ADMINISTRATIVE CONTROL ACCOUNT

9210 Advances	0	0	0	3,827,518	3,827,518	N/A
9219 Advances - Clearing	0	0	0	(3,827,518)	(3,827,518)	N/A
SUBTOTAL	0	0	0	0	0	N/A

TOTAL EXPENDITURES	0	714,000	714,000	290,000	(424,000)	(59.38%)
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Advance to Common	(3,827,518)
Increase/(Decrease) in Loan Payable	0
Principal Receipt on Advance	67,791

ENDING FUND BALANCE	5,581,223	4,897,605	1,232,820
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**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Sonoma Aqueduct Capital Fund
 Section/Index No: 675231

Subobject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	124,254	125,049		50,731		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	795	682	682	650	(32)	(4.69%)
1701 Interest Earned	0	0	0	0	0	N/A
SUBTOTAL	795	682	682	650	(32)	(4.69%)
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	0	50,000	50,000	72,230	22,230	44.46%
SUBTOTAL	0	50,000	50,000	72,230	22,230	44.46%
TOTAL REVENUES	795	50,682	50,682	72,880	22,198	43.80%
EXPENDITURES						
<u>OTHER FINANCING USES</u>						
8625 OT - W/in Special Dist	0	125,000	125,000	0	(125,000)	(100.00%)
SUBTOTAL	0	125,000	125,000	0	(125,000)	(100.00%)
TOTAL EXPENDITURES	0	125,000	125,000	0	(125,000)	(100.00%)
ENDING FUND BALANCE	125,049	50,731		123,611		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Management Planning
 Section/Index No: 675710

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	362,617	72,630		81,278		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	3,692	3,157	3,157	2,870	(287)	(9.09%)
SUBTOTAL	3,692	3,157	3,157	2,870	(287)	(9.09%)
<u>Intergovernmental Revenue</u>						
2912 Town of Windsor	12,242	13,376	13,376	3,481	(9,895)	(73.97%)
SUBTOTAL	12,242	13,376	13,376	3,481	(9,895)	(73.97%)
<u>Miscellaneous Revenue</u>						
4040 Miscellaneous Revenue	30	0	0	0	0	N/A
4175 Water Management Planning Charge	0	0	0	0	0	N/A
SUBTOTAL	30	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	195,087	192,115	200,000	50,000	(150,000)	(75.00%)
SUBTOTAL	195,087	192,115	200,000	50,000	(150,000)	(75.00%)
TOTAL REVENUES	211,051	208,648	216,533	56,351	(160,182)	(73.98%)
EXPENDITURES						
<u>Services and Supplies</u>						
6040 Communications	123	0	0	0	0	N/A
6180 Maintenance Bldg/lmp	0	0	0	0	0	N/A
6430 Printing Services	1,556	0	0	0	0	N/A
6461 Supplies/Expense	146	0	0	0	0	N/A
6522 District Operations	25,701	0	0	0	0	N/A
6523 District Operations	302,359	75,000	75,000	25,000	(50,000)	(66.67%)
6570 Consultant Svs	18,265	50,000	50,000	25,000	(25,000)	(50.00%)
6610 Legal Services	127,296	75,000	75,000	0	(75,000)	(100.00%)
7206 Equipment Usage	150	0	0	0	0	N/A
7247 Water Conservation	0	0	0	0	0	N/A
7303 Private Car Expense	103	0	0	0	0	N/A
SUBTOTAL	475,699	200,000	200,000	50,000	(150,000)	(75.00%)
<u>PRIOR YEAR ENCUMBRANCE EXPENSE</u>						
9650 PY Enc - Profess/Special	143,548	0	0	0	0	N/A
SUBTOTAL	143,548	0	0	0	0	N/A
TOTAL EXPENDITURES	619,247	200,000	200,000	50,000	(150,000)	(75.00%)
Outstanding Encumbrances - Net Change	118,209					
ENDING FUND BALANCE	72,630	81,278		87,629		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:
Section/Index No:

Watershed Planning/Restoration
675728

Subject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	(913,142)	(1,303,176)		152,932		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	(4,231)	0	1	1	(0)	(37.50%)
SUBTOTAL	(4,231)	0	1	1	(0)	(37.50%)
<u>Intergovernmental Revenue</u>						
2912 Town of Windsor	106,850	174,592	174,597	259,394	84,797	48.57%
SUBTOTAL	106,850	174,592	174,597	259,394	84,797	48.57%
<u>Miscellaneous Revenues</u>						
3980 Revenue applicable to prior year	0	0	0	0	0	N/A
4102 Donations/Reimbursements - SR Plain Groundwater	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
4625 OT - W/in Special Dist	2,058,295	3,892,196	3,995,267	3,725,600	(269,667)	(6.75%)
SUBTOTAL	2,058,295	3,892,196	3,995,267	3,725,600	(269,667)	(6.75%)
TOTAL REVENUES	2,160,914	4,066,788	4,169,865	3,984,995	(184,870)	(4.43%)
EXPENDITURES						
<u>Services and Supplies</u>						
6040 Communications	2,216	0	0	0	0	N/A
6140 Maint-Equipment	1,350	0	0	0	0	N/A
6180 Maintenance Bldg/Imp	12,417	0	0	0	0	N/A
6262 Lab Supplies	1,101	0	0	0	0	N/A
6400 Office Supplies	402	0	0	0	0	N/A
6410 Postage	325	0	0	0	0	N/A
6415 Books/Periodical	173	0	0	0	0	N/A
6430 Printing Services	11,139	0	0	0	0	N/A
6461 Supplies/Expenses	6,918	0	0	0	0	N/A
6512 Testing/Analysis	53,467	0	0	0	0	N/A
6522 District Services	168,551	0	0	0	0	N/A
6523 District Operations - RRIFR Program	1,544,458	2,176,180	2,176,180	2,705,600	529,420	24.33%
6570 Consultant Services - RRIFR Program	217,279	404,500	404,500	990,000	585,500	144.75%
6610 Legal Services	104,610	30,000	30,000	30,000	0	0.00%
6800 Public/Legal Notices	6,120	0	0	0	0	N/A
6840 Rents/Leases-Bldg/Imp	605	0	0	0	0	N/A
6880 Small Tools/Instruments	9,973	0	0	0	0	N/A
6889 Software	6,330	0	0	0	0	N/A
6890 Hardware	1,726	0	0	0	0	N/A
7022 Public Relations Exp	1,442	0	0	0	0	N/A
7206 Equipment Usage	21,029	0	0	0	0	N/A
7217 State Permits/Fees	1,373	0	0	0	0	N/A
7302 Travel Exp	14,581	0	0	0	0	N/A
7303 Private Car Expense	509	0	0	0	0	N/A
SUBTOTAL	2,188,094	2,610,680	2,610,680	3,725,600	1,114,920	42.71%
<u>PRIOR YEAR ENCUMBRANCE EXPENSE</u>						
9650 PY Enc - Profess/Special	571,460	0	0	0	0	N/A
SUBTOTAL	571,460	0	0	0	0	N/A
TOTAL EXPENDITURES	2,759,554	2,610,680	2,610,680	3,725,600	1,114,920	42.71%
Outstanding Encumbrances - Net Change	208,606					
ENDING FUND BALANCE	(1,303,176)	152,932		412,327		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Recycled Water and Local Supply
 Section/Index No: 675736

Subobject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	237,578	313,253		293,703		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
1700 Interest on Pooled Cash	7,862	14,685	14,685	2,500	(12,185)	(82.98%)
SUBTOTAL	7,862	14,685	14,685	2,500	(12,185)	(82.98%)
<u>Intergovernmental Revenue</u>						
2912 Town of Windsor	50,677	58,016	58,017	51,174	(6,843)	(11.79%)
SUBTOTAL	50,677	58,016	58,017	51,174	(6,843)	(11.79%)
<u>MISCELLANEOUS REVENUE</u>						
4040 Miscellaneous Revenue	0	0	0	0	0	N/A
4102 Donations/Reimbursements	75,000	80,000	80,000	140,000	60,000	75.00%
4303 State Grant	27,660	0	0	110,000	110,000	N/A
SUBTOTAL	102,660	80,000	80,000	250,000	170,000	212.50%
<u>OTHER FINANCING SOURCES</u>						
4625 OT - Win Special Dist	811,557	833,265	867,500	735,000	(132,500)	(15.27%)
SUBTOTAL	811,557	833,265	867,500	735,000	(132,500)	(15.27%)
TOTAL REVENUES	972,756	985,966	1,020,202	1,038,674	18,472	1.81%
EXPENDITURES						
<u>Services and Supplies</u>						
6040 Communications	313	0	0	0	0	N/A
6140 Maint-Equipment	848	0	0	0	0	N/A
6400 Office Expense	67	0	0	0	0	N/A
6410 Postage	77	0	0	0	0	N/A
6430 Printing Supplies	17,261	0	0	0	0	N/A
6461 supplies/Expenses	437	0	0	0	0	N/A
6522 District Administration	28,167	0	0	0	0	N/A
6523 District Operations	279,718	330,000	330,000	275,000	(55,000)	(16.67%)
SV GW Mgmt Plan, SR Plain GW Study & Mgmt Plan						
6570 Consultant Services	364,800	617,500	617,500	385,000	(232,500)	(37.65%)
SV GW Mgmt Plan, SR Plain GW Study & Mgmt Plan						
6610 Legal Services	784	0	0	0	0	N/A
6630 Audit Services	0	0	0	0	0	N/A
6800 Public/Legal Notice	1,127	0	0	0	0	N/A
6840 Rents/Leases/Bldg/imp	766	0	0	0	0	N/A
6889 Software	3,481	0	0	0	0	N/A
7206 Equipment Usage	1,683	0	0	0	0	N/A
7217 State Permits/Fees	678	0	0	0	0	N/A
7277 Recycled Water Use	0	0	0	0	0	N/A
7302 Travel Expense	17	0	0	0	0	N/A
7303 Private Car Expense	0	0	0	0	0	N/A
SUBTOTAL	700,224	947,500	947,500	660,000	(287,500)	(30.34%)
<u>Other Charges</u>						
7924 - Interest PY	(21,357)	0	0	0	0	N/A
8010 Contribution Non-County Government (LRT2)	0	0	0	325,000	0	N/A
SUBTOTAL	(21,357)	0	0	325,000	0	N/A
<u>Capital Assets</u>						
8510 Buildings/imp	60,096	0	0	0	0	N/A
8515 Engineering Costs	448	0	0	0	0	N/A
8517 Administrations	402	0	0	0	0	N/A
9482 Amortizable WIP	0	0	0	0	0	N/A
SUBTOTAL	60,946	0	0	0	0	N/A
<u>PRIOR YEAR ENCUMBRANCE EXPENSE</u>						
9650 PY Enc - Profess/Special	85,267	0	0	0	0	N/A
9700 PY Enc - Special Dept Exp	1,189,451	0	0	0	0	N/A
SUBTOTAL	1,274,718	0	0	0	0	N/A
TOTAL EXPENDITURES	2,014,531	947,500	947,500	985,000	37,500	3.96%
Outstanding Encumbrances - Net Change	1,255,339					
Capital interest	(21,357)	0				
Change in Windsor Reserve	(50,678)	(58,016)		(51,174)		
Audit Adjustment	(65,854)					
ENDING FUND BALANCE	313,253	293,703		296,203		

**FY 2012-13 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:
Section/Index No:

Water Conservation
675744

Subsubject Title	Actual 2010-11	Estimated 2011-12	Adopted 2011-12	Requested 2012-13	Difference	Percent Change
BEGINNING FUND BALANCE	186,164	104,246		29,262		
REVENUES						
USE OF MONEY / PROPERTY						
1700 Interest on Pooled Cash	3,493	3,658	3,658	2,500	(1,158)	(31.66%)
SUBTOTAL	3,493	3,658	3,658	2,500	(1,158)	(31.66%)
Intergovernmental Revenue						
2911 City of Santa Rosa	0	0	0	0	0	N/A
2912 Town of Windsor	96,318	100,640	100,651	105,134	4,483	4.45%
2914 City of Rohnert Park	0	0	0	0	0	N/A
2919 City of Sonoma	0	0	0	0	0	N/A
2951 North Marin Water District	0	0	0	0	0	N/A
2954 Town of Windsor	0	0	0	0	0	N/A
SUBTOTAL	96,318	100,640	100,651	105,134	4,483	4.45%
Miscellaneous Revenue						
3980 Revenue Applicable to Prior Y	-	-	-	-	0	N/A
4040 Miscellaneous Revenue	-	-	-	-	0	N/A
4102 Donations/Reimbursements	0	0	0	0	0	N/A
4303 State Grants	(2,106)	67,347	0	0	0	N/A
SUBTOTAL	(2,106)	67,347	0	0	0	N/A
OTHER FINANCING SOURCES						
4625 OT - W/in Special Dist	1,542,148	1,445,460	1,505,000	1,510,000	5,000	0.33%
SUBTOTAL	1,542,148	1,445,460	1,505,000	1,510,000	5,000	0.33%
TOTAL REVENUES	1,639,853	1,617,105	1,609,309	1,617,634	8,325	0.52%
EXPENDITURES						
Services and Supplies						
6180 Maint-Bldg/Imp	813	0	0	0	0	N/A
6020 Clothing	0	0	0	0	0	N/A
6415 Books/Periodicals	119	0	0	0	0	N/A
6461 Supplies/Expense	953	0	0	0	0	N/A
6522 District Services	92,547	0	0	0	0	N/A
6523 District Operations	1,143,623	900,000	900,000	895,000	(5,000)	(0.56%)
6536 Business Environmental Allian	41,897	50,000	50,000	50,000	0	0.00%
6570 Consultant Services	0	20,000	10,000	0	(10,000)	(100.00%)
6584 Trade Shows - So Cty Fair	0	20,000	20,000	20,000	0	0.00%
6610 Legal Services	0	0	0	0	0	N/A
6630 Audit Svs - Review of Prg	0	0	0	0	0	N/A
6800 Public Information	27,363	0	0	0	0	N/A
6840 Rents/Lease-Bldg/Imp	835	0	0	0	0	N/A
7022 Public Relations	121,682	165,000	165,000	165,000	0	0.00%
7206 Equipment Usage	10,688	0	0	0	0	N/A
7247 Water Conservation	208,609	360,000	360,000	380,000	20,000	5.56%
7250 Reimbursable Projects	0	0	0	0	0	N/A
7302 Travel Expense	399	0	0	0	0	N/A
7303 Private Car Expense	1,709	0	0	0	0	N/A
SUBTOTAL	1,651,237	1,515,000	1,505,000	1,510,000	5,000	0.33%
Other Charges						
8010 Contribution to Non-County	0	67,347	0	0	0	N/A
SUBTOTAL	0	67,347	0	0	0	N/A
PRIOR YEAR ENCUMBRANCE EXPENSE						
9650 PY Enc - Profess/Special	14,284	0	0	0	0	N/A
9700 PY Enc - Special Dept Exp	127,312	0	0	0	0	N/A

SUBTOTAL	141,596	0	0	0	0	N/A
TOTAL EXPENDITURES	1,792,833	1,582,347	1,505,000	1,510,000	5,000	0.33%
Outstanding Encumbrances	126,491					
Change in Windsor Reserve	10,425	(109,742)		(105,134)		
Audit Adjustment	(65,854)					
ENDING FUND BALANCE	104,246	29,262		31,762		

**FY 2012-13 BUDGET
CHARACTER JUSTIFICATION**

Department - Division: Sonoma County Water Agency - Water Transmission

Section Title: Water Conservation

Character Title: Use of Money and Property Character No.: 675744-17

1700 Interest on Pooled Cash

This account records interest on pooled cash held for the Agency by the County Treasurer's office. Estimated interest is projected based on cash on hand and current interest rate trends.

Estimated Average Cash Balance	500,000
Projected Interest Rate	0.50%
Projected/Planned Interest on Pooled Cash	\$2,500

Character Title: Intergovernmental Revenues Character No.: 675744-20

2912 Town of Windsor

This item records revenue earned from the Town of Windsor for water diverted from the Russian River using the Town's equipment. Restructured Agreement 4.17b

Character Title: Miscellaneous Revenues Character No.: 675744-40

4303 State Grants

This is for an anticipated Grant from CA Dept of Water Resources

Character Title: Other Financing Sources Character No.: 675744-46

4625 OT - Win Special Dist - BOS

This item records transfers of funds from the O&M fund to provide for planned expenditures. \$1,510,000

Character Title: Services and Supplies Character No.: 675744-60

6523 District Operation

This item is requested to provide for the charging of salaries, benefits and overhead costs for staff assigned to projects budgeted within the Water Conservation Fund.

Water Conservation, Water Education and Public Affairs Staff	755,000
Water education Seasonal Staffing	80,000
Prop 84 Water Conservation Grant Administration	60,000
	\$ 895,000

6536 Business Environmental Alliance 2319-22, 7190

Agreement with the Economic Development Board	50,000
	\$ 50,000

6570 Consulting Services

	0
	-
	\$ -

6584 Trade Shows 7189

Sonoma County Fair	0
	20,000
	\$ 20,000

7022 Public Relations 7189

Public Information and ACWA Campaign	0
	165,000
	\$ 165,000

7247 Water Conservation

School Education Program	0
	280,000
QWEL English & Spanish	15,000
Seminars, Workshops, and Training	15,000
County Children's Museum	25,000
Wholesaler Support	20,000
Green Business Program	15,000
English as a Second Language Curriculum Program	10,000
	\$ 380,000

Character Title: Other Charges Character No.: 675744-75

8010 Contribution Non-County Governments

This item is request to pass DWR grant monies through to other governments \$0

FY 2012-13 BUDGET
SONOMA COUNTY WATER AGENCY
Operations and Maintenance Rate Computation

O & M REVENUE REQUIREMENT

ESTIMATED FISCAL YEAR 11/12 EXPENDITURES	\$37,521,689
 LESS:	
Depreciation Amortization	5,829,000
Investment Income, Interest on Pooled Cash, Charges for Services	50,250
Power Sales	800,000
PWRPA Pre-paid Expense - FY 08/09 Rate Reduction- <i>One time only</i>	
"Mandatory Prudent Reserve" charge	0
Recycled Water funds (Sub-object 7277) taken from special reserve	0
Transfers Out	10,157,493
REVENUE REQUIREMENT (Net Expenditures)	\$20,684,946

O & M ACRE FOOT BASE

AVERAGE DELIVERIES - PAST 12 MONTHS	45,960.6
 LESS:	
Marin Municipal	5,413.3
Surplus (Irrigation)	92.3
TOTAL BASE DELIVERIES	40,454.9

O & M RATE COMPUTATION:

Rate = Revenue Requirement - (Marin Muni Off Peak Deliveries x Highest Prime Rate)
- (Marin Muni Surplus Deliveries x (O&M Charge + Capital Charge))
Total Deliveries - Surplus Deliveries - Marin Muni Past 36 Months Deliveries

$$= \frac{20,684,946 - (4,300.00 \times 609.34) - (1,113.30 \times 528.01)}{45,960.6 - 92.3 - 5,413.3}$$

* = \$432.01

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY 12-13

A. ANNUAL DEBT SERVICE REQUIREMENTS

	Common Facilities	Watershed Plan Restoration	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
2003 A Revenue Bond	675454	TBD	TBD	675462	675470
PRINCIPAL	\$173,794			\$124,138	\$102,069
INTEREST	255,148			182,250	149,850
FISCAL AGENT FEES	1,600			1,500	1,200
DEBT ISSUANCE COSTS	3,951			2,822	2,320
DISCOUNT/BONDS	446			319	262
Total Individual Bond Payments	434,939	0		311,029	255,701
Bond Reserve	65,241	0		46,654	38,355
Total Individual Bond Debt Service	500,180	0		357,683	294,056
2006 A Revenue Bond	675496			675488	
PRINCIPAL	\$117,916			\$132,085	
INTEREST	225,068			252,112	
FISCAL AGENT FEES	2,300			2,500	
DEBT ISSUANCE COSTS	4,085			4,576	
DISCOUNT/BONDS					
Total Individual Bond Payments	349,369			391,273	0
Bond Reserve	52,405			58,691	0
Total Individual Bond Debt Service	401,774			449,964	0
2012 Santa Rosa AQ Capital Fund Loan					
PRINCIPAL	55,465				
INTEREST	124,716				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
DISCOUNT/BONDS	0				
Total Individual Loan Payments	180,181			0	
Loan Reserve	0			0	
Total Individual Loan Debt Service	180,181			0	
2012 Petaluma AQ Capital Fund Loan					
PRINCIPAL	67,791				
INTEREST	152,430				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
DISCOUNT/BONDS	0				
Total Individual Loan Payments	220,221				
Loan Reserve					
Total Individual Loan Debt Service	220,221				
1. 09/10 Financing Exp for Common Fac incl above until index established	Mirabel Generators	TBD - RRIFR	TBD - Water Ed Bldg	TBD - Oakmont Pipeline	
PRINCIPAL	282,562				
INTEREST	43,146				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
Total Individual Bond Payments	325,708	0	0	0	0
Reserve	0	0	0	0	0
Total Individual Financing Debt Service	325,708	0	0	0	0
SRF LOAN	675439				
PRINCIPAL	672,033			N.A.	N.A.
INTEREST	368,200			N.A.	N.A.
USE OF SRF LOAN FUND BALANCE - 675439					
Reserve Requirement	156,035				
Total SRF Debt Service	1,196,268				
SRF LOAN RESERVE	675447				
RESERVE	119,627			N.A.	N.A.
Total SRF Debt Service	1,315,895				
TOTAL DEBT SERVICE	\$2,943,959	\$0	\$0	\$807,647	\$294,056
LESS REV. FROM N. MARIN REV. BOND CHARGES	\$315,131				
REMAINING REVENUE REQUIREMENT	\$2,628,828	\$0	\$0	\$807,647	\$294,056

B. CALCULATIONS OF WATER RATES FOR FY 12-13

	Common Facilities Debt Service Charge	Watershed Plan Restoration Debt Service Charge	Water Conservation Debt Service Charge	Storage Facilities Revenue Bonds Charge	Sonoma Pipeline Facilities Revenue Bonds Charge
REVENUE REQUIREMENT	\$2,628,828	\$0	\$0	\$807,647	\$294,056
APPLICABLE BASE WATER DELIVERIES IN A.F.	34,441.7	45,858.3	45,858.3	34,441.7	4,305.0
CHARGES PER ACRE-FEET	\$76.33	\$0.00	\$0.00	\$23.45	\$68.31

C. CALCULATIONS OF NORTH MARIN REVENUE BONDS CHARGE

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE *	2,543,557
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE * (11.2/90.4))	315,131
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	6,013
NORTH MARIN REVENUE BONDS CHARGE	52
Common Facilities	*North Marin exercised option for cash payment of Aqueduct Loan funded projects
Total Debt Service *	2,543,557
N. Marin's Share (11.2/90.4)	315,131
Estimated Water Deliveries to N. Marin	6,013.2
Applicable portion of the N. Marin R. Bonds Charge	\$52.41
	Total Revenue Required \$2,943,959
	Less Aqueduct Loans (400,402)
	Revenue base for NMWD \$2,543,557

SONOMA COUNTY WATER AGENCY
RUSSIAN RIVER CONSERVATION CHARGE COMPUTATION
FISCAL YEAR 2012-13

PROPERTY ASSESSMENT VALUES AS OF FY 11-12:

<u>TAX CODE</u>	<u>ENTITY</u>	<u>SECURED</u>	<u>UNSECURED</u>	<u>TOTAL VALUE</u>
14000	Forestville Co Water District	\$308,546,065	\$4,397,481	\$312,943,546
42800	City of Cotati	808,720,683	16,491,973	825,212,656
43500	City of Petaluma	7,113,916,314	329,777,166	7,443,693,480
43800	City of Rohnert Park	3,656,156,306	107,758,749	3,763,915,055
44500	City of Santa Rosa	16,979,374,646	657,091,122	17,636,465,768
45000	City of Sonoma	1,879,343,524	63,204,228	1,942,547,752
	Valley of the Moon Water District	2,365,864,261	17,064,944	2,382,929,205
	TOTAL	\$33,111,921,799	\$1,195,785,663	\$34,307,707,462

Notes:

- 1 Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$34,307,707,462
- 2 2011-12 Sonoma County tax rate per \$100 of full cash value assessed for payment of Warm Springs Dam Project Obligations 0.007
- 3 Total tax levied on citizens residing in service areas of Prime Water Contractors of Sonoma County, i.e., (Line 1/100) x Line 2 \$2,401,540
- 4 Total acre feet of water delivered to Prime Water Contractors of Sonoma County (excluding North Marin and Town of Windsor) plus deliveries to Forestville during the last 12 month period 33,319.75
- 5 Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$72.08

Russian River Projects Charge
Historical calculations

For FY	Calculated
00-01	5.8
01-02	5.66
02-03	9.15
03-04	14.93
04-05	19.18
05-06	24.23 First FY with 10 full years of data.
06-07	17.02
07-08	21.4
08-09	25.08
09-10	24.68
10-11	24.4
11-12	23.44
12-13	20.38

FY 2012-13 BUDGET
Water Transmission System Operating Transfers

Fund	Index	OT Out (8625)	To	OT In (4625)	Beginning Fund Balance	Ending Fund Balance	Increase (Decrease)
Santa Rosa Aq. Capital Fund	675207	1,919,000	Pipeline Facilities	211,891	\$ 5,549,241	\$ 915,707	\$ (4,633,534)
Petaluma Aq. Capital Fund	675215	290,000	Pipeline Facilities	207,512	\$ 4,897,605	\$ 1,232,820	\$ (3,664,785)
Sonoma Aq. Capital Fund	675231	0		72,230	\$ 50,731	\$ 123,611	\$ 72,880
Sonoma Rev Bond 2003 Fund	675470	325,000	Pipeline Facilities	294,056	\$ 463,812	\$ 181,779	\$ (282,033)
Storage Rev Bond 2003 Fund	675462	240,000	Storage Facilities	357,683	\$ 360,408	\$ 171,388	\$ (189,020)
Storage Rev Bond 2006 Fund	675488	500,000	Storage Facilities	449,964	\$ 534,554	\$ 99,321	\$ (435,233)
Common Rev Bond 2003 Fund	675454	400,000	Common Facilities	500,180	\$ 365,286	\$ 35,924	\$ (329,362)
Common Rev Bond 2006 Fund	675496	250,000	Common Facilities	401,774	\$ 229,885	\$ 37,125	\$ (192,760)
State Loan Debt Service	675439	0		1,196,268	\$ 407,500	\$ 567,035	\$ 159,535
State Loan Reserve	675447	0		119,627	\$ -	\$ -	\$ -
Capital Lease Financing	675371	0		0	\$ 31	\$ 31	\$ 0
Agency Fund (Discretionary)	675108	1,608,800	Common Facilities	0	\$ 4,809,240	\$ 5,664,176	\$ 854,936
Agency Fund (Charges)	675108	10,157,493		0	\$ -	\$ -	\$ -
Pipeline Facilities	675413			2,534,000	\$ 87,758	\$ 90,258	\$ 2,500
Storage Facilities	675405			740,000	\$ 70,536	\$ 71,786	\$ 1,250
Common Facilities	675421	0		3,825,384	\$ (621,851)	\$ 74,255	\$ 696,106
North Marin	675512	1,240,876	Common Facilities	0	\$ 12,633	\$ 12,718	\$ 85
Water Management Planning	675710			50,000	\$ 81,279	\$ 87,630	\$ 6,351
Watershed Planning./Restoration	675728			3,725,600	\$ 152,932	\$ 412,327	\$ 259,395
Recycled Water & Local Supply	675736			735,000	\$ 293,704	\$ 296,204	\$ 2,500
Water Conservation	675744			1,510,000	\$ 29,262	\$ 31,762	\$ 2,500
Total		16,931,169		16,931,169	17,774,546	10,105,858	(7,668,688)

Common Facilities OT - in 4625 From

Water Transmission (discretionary)	1,608,800
Water Transmission (Charges)	325,708
North Marin	1,240,876
2003 Bond Fund	400,000
2006 Bond Fund	250,000
	<u>3,825,384</u>

Agency Fund (Charges) OT - Out

Santa Rosa Aq. Capital Fund	211,890.71
Petaluma Aq. Capital Fund	207,512.01
Sonoma Aq. Capital Fund	72,229.99
Sonoma Rev Bond 2003 Fund	294,056.15
Storage Rev Bond 2003 Fund	357,683.35
Storage Rev Bond 2006 Fund	449,963.95
Common Rev Bond 2003 Fund	500,179.85
Common Rev Bond 2006 Fund	401,774.35
State Loan Debt Service	1,196,267.95
State Loan Reserve	119,626.80
Common Facilities	325,708.00
Water Management Planning	50,000
Watershed Planning./Restoration	3,725,600
Recycled Water & Local Supply	735,000
Water Conservation	<u>1,510,000</u>
	10,157,493

FY 12-13
Proposed Water Rates

	FY 11-12 (Actual)	FY 12-13 (Proposed)	% Change
O&M Charge	439.04	432.01	-1.6%
Water Management Planning Sub-Charge	4.18	1.09	-74.0%
Watershed Planning/Restoration Sub-Charge	54.56	81.06	48.6%
Recycled Water Sub-Charge	18.13	15.99	-11.8%
Water Conservation Sub-Charge	31.45	32.85	4.5%
Total O&M Charge	547.36	563.01	2.9%

Santa Rosa Aqueduct Rate

O&M Charge	547.36	563.00	2.9%
Aqueduct Facilities Capital Charges [4.6 e]	0.00	9.25	N/A
Storage Facilities Capital Charge [4.7]	23.09	23.45	1.6%
Common Facilities Capital Charge [4.8]	63.70	76.33	19.8%
TOTAL	634.15	672.03	6.0%

Petaluma Aqueduct Rate


O&M Charge	547.36	563.00	2.9%
Aqueduct Facilities Capital Charges [4.6 e]	0.00	9.25	N/A
Storage Facilities Capital Charge [4.7]	23.09	23.45	1.6%
Common Facilities Capital Charge [4.8]	63.70	76.33	19.8%
TOTAL	634.15	672.03	6.0%

Sonoma Aqueduct Rate

O&M Charge	547.36	563.00	2.9%
Aqueduct Facilities Capital Charges [4.6 e]	0.00	9.25	N/A
Storage Facilities Capital Charge [4.7]	23.09	23.45	1.6%
Common Facilities Capital Charge [4.8]	63.66	76.33	19.9%
Aqueduct Facilities Capital Charges [4.6 b]	69.22	68.31	-1.3%
TOTAL	703.33	740.34	5.3%

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MEMORANDUM

To: Board of Directors
From: Pablo Ramudo, Water Quality Supervisor 
Subject: Second Quarter FY 11/12 – Water Quality Report
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February 17, 2012

RECOMMENDED ACTION: Information

FINANCIAL IMPACT: \$0

The water served to the communities of Novato and Point Reyes met federal and state primary and secondary water quality standards during the second quarter of fiscal year 2011-2012.

Following is a review of the activities and water quality issues in regards to:

- Source Water
- Treatment Performance
- Distribution System Water Quality

NOVATO SYSTEM

Source Water: Stafford Lake

Stafford Lake water was used as a source of drinking water throughout the quarter, ceasing production for the season on December 30, 2011. Water quality was monitored on a weekly basis for chemical and mineral components as well as microbiological activity.

Algae from the raw water intake were identified and enumerated. Diversity of algal species recorded was very high. Unlike past years, total numbers of algae remained high through the end of the quarter. This is probably due to conditions favorable to growth lasting longer due to the lack of rain. Twelve species of algae were dominant throughout the quarter including several species of cyanobacteria, green algae and diatoms. Several of the dominant algae that were present in Stafford Lake are capable of causing taste and odor problems.

Oxygen concentrations in the lower levels of the lake began to drop in August and continued to be inadequate until late October. These anoxic conditions resulted in high concentrations of dissolved metals such as iron and manganese in the raw water in the STP intake. The Solar Bee mixers were rearranged and reconfigured and an air compressor was connected to the old, abandoned aeration system to try and force more rapid mixing between the deeper parts of the lake and the surface.

Operations staff is looking at ways to more effectively use the Solar Bee mixers and aeration system to be able to respond to anoxic water in the future. We are also studying ways to limit the amount of nutrients that flow in to the lake to prevent the conditions that lead to anoxic water from arising.

Total organic carbon (TOC) concentration in the lake was at a high for the year, ranging from 6.0 to 8.1 mg/L.

Treatment Performance: Stafford Treatment Plant

TOC removal remained above the requirement of the Enhanced Surface Water Treatment Rule. Operators were able to achieve from 57-62% removal throughout the quarter. Finished water TOC concentration was above the districts goal of 2.0 mg/L, ranging between 2.5 to 3.1 mg/L. The majority of TOC removal was accomplished through optimized coagulation and filtration.

During the period of anoxic water in Stafford Lake in the first part of the quarter, primary oxidation with chlorine dioxide at our highest possible dose was insufficient to meet the oxidant demand from dissolved metals. Operators used free chlorine in combination with chlorine dioxide to increase the oxidation rate in the mixing basin to meet the higher demand.

Distribution System: Novato

Of the 243 samples collected for compliance with the Total Coliform Rule- there was one coliform positive sample this quarter at the location representing water supplied by San Andreas tank. Follow up samples were clean and chlorine in all samples was adequate.

Chlorine residual concentrations throughout our distribution system were very good.

Disinfection byproducts (**DBPs**) were higher than the previous quarter due to the higher TOC concentration in the raw water and the addition of chlorine as a primary oxidant at Stafford Treatment Plant. DBPs remained within limits of the Stage 2 Disinfection By-Product Rule.

Despite the presence of algae capable of affecting taste and odor in our raw water, there was no increase in the number of taste and odor complaints attributable to Stafford water throughout this quarter.

POINT REYES SYSTEM

Source Water: Coast Guard Wells

Raw water quality was good throughout the quarter. The production problems caused by the deteriorating wells continued to hamper our attempts to minimize salinity intrusion through tide avoidance pumping practices. Water quality parameters affected by salt water intrusion increased until mid December and then began to fall. The sodium concentration ranged from 48-70 mg/L, chloride ranged from 64-138 mg/L, hardness ranged from 98-152 mg/L, and bromide ranged from 0.2-0.5 mg/L.

Permitting and planning activities continue for a new production well adjacent to the two existing wells.

Treatment Performance: Point Reyes Treatment Plant

Treatment was optimal throughout the quarter and water quality in general was good. Iron and manganese were not detected in treated water.

Distribution System: Point Reyes

Of 22 routine samples collected there were no coliform positive samples this quarter. Chlorine residual concentrations throughout our distribution system were good.

Customers were notified of higher salt content in water supplied by NMWD throughout the quarter through a public notice published weekly in the Point Reyes Light while sodium concentrations remained above 50 mg/L.

The DBP concentrations were higher this quarter due to increased bromide in the raw water. As in the 1st and 3rd quarters of FY 2009-2010, the total trihalomethane (**TTHMs**) concentration in the location representing the highest water age in the system was above the maximum contaminant limit of 80 ug/L. The District continues to be required by the California Department of Public Health (**CDPH**) to conduct increased monitoring for TTHMS in the Point Reyes system.

A pilot treatment system has been installed at the Inverness Park Tanks to reduce DBPs in the areas of the distribution system with the highest water age and chlorine contact. A second treatment system will soon be installed in Paradise Ranch Estates Tank #2. The effectiveness of these systems will be evaluated in the coming year and results will be presented to the Board in the future.



**NORTH MARIN
WATER DISTRICT**

North Marin Water District- 2nd Quarter FY2011 /2012

Bacteriological Quality Monitoring

Novato: 243 Samples Analyzed. 1 sample positive for coliform bacteria.

Point Reyes: 22 Samples analyzed. No samples positive for coliform bacteria.

Chemical Quality Monitoring

Constituent	Units	Maximum Contaminant level	SCWA North Marin Aqueduct	Stafford Treatment Plant	Point Reyes Treatment Plant
Conductivity	umhos/cm	900 *	286	348	570
TDS	mg/L	500 *	132	182	304
Hardness	mg/L	-	109	97.9	132
Alkalinity	mg/L	-	123	83.3	103
Calcium	mg/L	-	22.4	23.8	22.2
Magnesium	mg/L	-	13.1	12.4	19.7
Copper	mg/L	1.0*	ND	ND	ND
Iron	mg/L	0.3*	ND	ND	ND
Manganese	mg/L	0.05 *	ND	ND	ND
Zinc	mg/L	5.0 *	ND	ND	ND
Sodium	mg/L	-	15.8	31.4	57.5
Chloride	mg/L	250 *	5.80	57.9	102
Sulfate	mg/L	250 *	11.3	5.95	14.9
Fluoride	mg/L	2.0 (1.4-2.4)	0.103	0.139	0.0918
Nitrite as N	mg/L	1.0	ND	ND	ND
Nitrate as N	mg/L	10	0.1343	0.147	0.0640
pH	pH units	8.5 *	8.56	8.21	7.33
Turbidity	NTU	5	0.07	0.10	0.07
Color	PCU	15	<2.5	<2.5	<2.5
Free Chlorine	mg/L	4.0	0.68	1.53	0.60
Total Chlorine	mg/L	4.0	0.71	1.67	0.71
Temperature	° C	-	15.2	17.2	15.5
Odor	TON	3	<1	<1	<1

*Indicates secondary drinking water standard

ND = Not Detected
NA = Not Analyzed

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MEMORANDUM

To: Board of Directors

February 17, 2012

From: David L. Bentley, Auditor-Controller



Subj: Information – 2012 Urban Area Water Cost Comparison

t:\ac\word\rate survey\12 rate survey.docx

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: None

North Marin again ranks 12th out of the 17 agencies reported on the 2012 survey, unchanged from one year ago. Annual consumption for the median Novato single-family residential household is now calculated at 110,700 gallons, down 10,500 gallons from the consumption calculated last year, rendering an annual water cost of \$544. The District's tier rates do not apply to North Marin's typical single-family residential customer, as only 22% of said customers used enough water in 2011 to be subject to the tier rates, thus it is not reflected in the cost comparison calculation.

Fourteen of the sixteen comparison agencies increased their water rates over the past twelve months. The average charge for all agencies surveyed, excluding North Marin, increased 6%. North Marin's charge to the typical single-family residence is now 8% below the median of agencies surveyed, compared to 34% below the median three years ago.

The largest percentage increase enacted over the past year was by Alameda County Water District, with a 16% increase. Twelve of the sixteen comparison agencies have a tier-rate structure (Napa instituted a tier rate last year). The four holdouts are Alameda County Water District, Contra Costa Water District, the City of Cotati, and the City of Rohnert Park.

North Marin's \$20 bimonthly service charge for a 5/8" meter is scheduled to increase to \$25 on June 1, 2012. The bimonthly service charge for the comparison agencies ranges from a low of \$13.25 (Napa) to a high of \$36.64 (Rohnert Park).

NORTH MARIN WATER DISTRICT
2012 URBAN AREA WATER COST COMPARISON
FOR TYPICAL SINGLE-FAMILY DWELLING IN THE NOVATO SERVICE AREA

As of February 10, 2012

Typical Detached Single-Family Residence is Served by a 5/8" x 3/4" Meter
Annual Consumption is Calculated at 110,700

Agency	Note	No. of Water Services	Bimonthly Service Charge	Commodity Rate/1,000 Gallons (1)	Annual Commodity Charge (2)	Total Annual Cost
Mid-Peninsula WD	(3)	8,025	\$28.46	\$6.66	\$737.69	\$908
Marin Municipal WD	(4)	61,266	\$20.13	\$5.50	\$608.80	\$730
City of San Francisco	(5)	177,000	\$14.00	\$5.79	\$641.20	\$725
City of Sonoma	(6)	4,300	\$30.69	\$4.54	\$502.08	\$686
Contra Costa WD	(7)	61,000	\$35.84	\$4.12	\$456.03	\$671
City of Santa Rosa	(8)	52,449	\$19.70	\$4.97	\$550.19	\$668
San Jose Water Co	(9)	218,000	\$36.60	\$3.85	\$425.78	\$645
City of Vallejo	(10)	37,006	\$29.60	\$4.02	\$444.90	\$622
Alameda CWD		81,242	\$14.93	\$4.21	\$466.50	\$556
East Bay MUD	(11)	380,700	\$25.24	\$3.65	\$404.14	\$556
City of Rohnert Park		9,542	\$36.64	\$3.00	\$332.11	\$552
→ NORTH MARIN	(12)	20,741	\$20.00	\$3.83	\$424.00	\$544 ←
City of Petaluma	(13)	19,551	\$13.32	\$4.15	\$459.28	\$539
City of Napa	(14)	25,000	\$13.25	\$4.45	\$412.10	\$492
Valley of the Moon	(15)	6,800	\$14.04	\$3.63	\$401.32	\$486
City of Cotati		2,575	\$28.50	\$2.64	\$292.26	\$463
Town of Windsor	(16)	9,350	\$18.10	\$2.96	\$327.94	\$437

Notes:

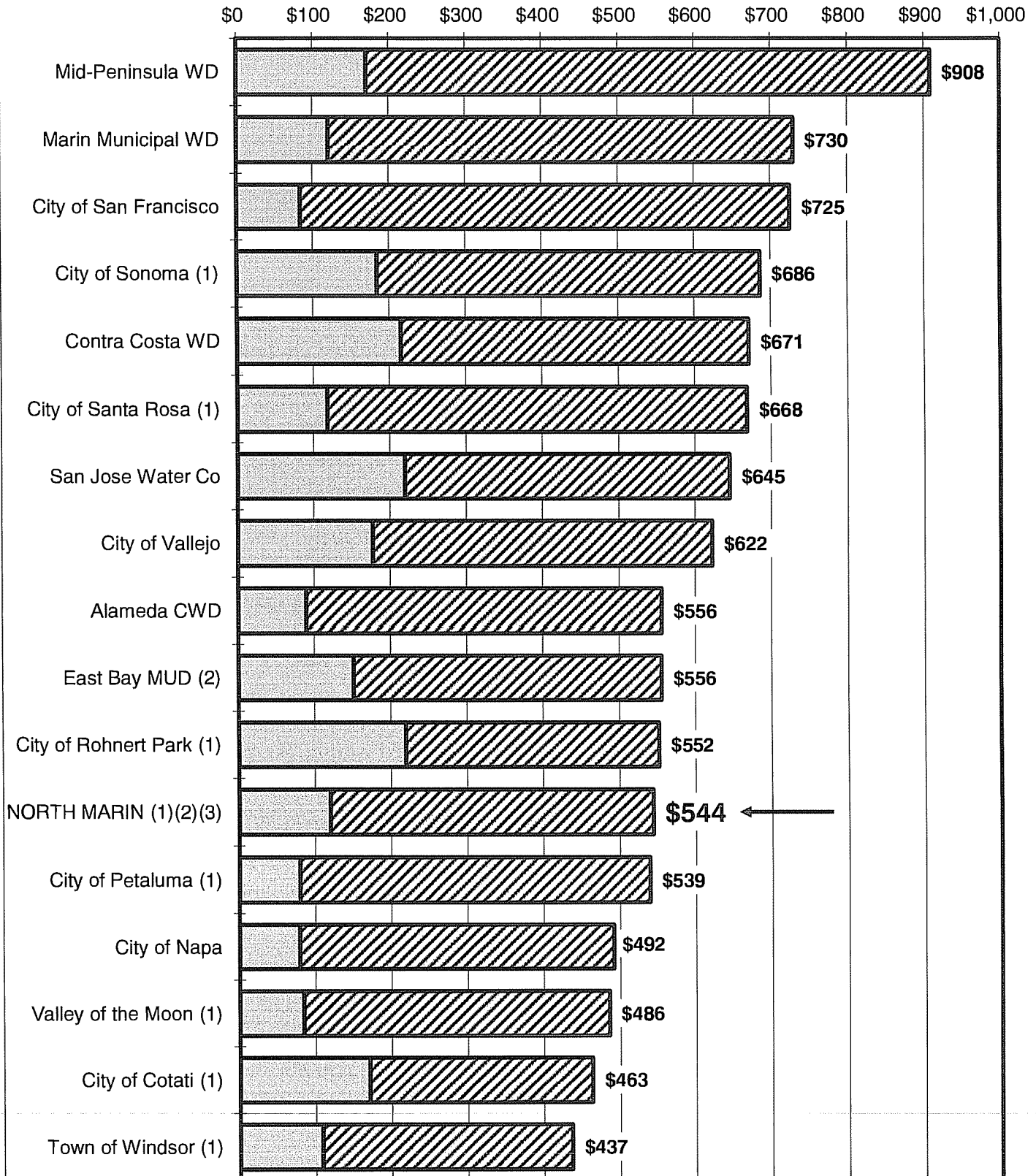
- (1) Average commodity rate for agencies with tier rate structure calculated using NMWD seasonal consumption pattern.
- (2) Based on NMWD median single-family detached residential consumption of 110,700 gallons per year.
- (3) Four-tier rate structure. First 2 Ccf monthly @ \$3.25/Ccf, next 8 @ \$5.00/Ccf, next 15 @ \$6.00, 26+ @ \$7.00.
100% of water purchased from SF PUC.
- (4) Four-tier rate structure. Rate/Ccf = \$3.53, \$7.06, \$14.12 & \$21.18. Summer tiers (June-Nov) 0-26 Ccf, 27-59 Ccf, 60-99 & 100+. Winter tiers (Dec-May) 0-21 Ccf, 22-48, 49-80 & 81+.
- (5) Two-tier rate structure. First 3 Ccf/mo @ \$3.50/Ccf, excess at \$4.60/Ccf. 12% increase approved effective July 1, 2012.
- (6) Three-tier rate structure. First 12,000 gallons bimonthly @ \$3.59/1000; next 24,000 @ \$6.11/1000, additional @ \$7.63.
- (7) Commodity rate includes \$0.0767/Ccf Zone 1 Energy Surcharge (applies to 60% of customers) & Bimonthly Service Charge includes surcharges for Public Fire Protection (\$0.0323/day)
- (8) Four-tier rate structure. The first tier, at \$4.55/1,000 gal, is based upon winter use, which averages 4,400 gal/mo for a single-family residence. The next 8,000 gal/mo above winter use is @ \$5.24/1,000, next 22,000 gal @ \$6.53, additional at \$9.81.
- (9) Two-tier rate structure. First 13 Ccf monthly at \$2.5157/Ccf, additional at \$2.7663. Rates & charges include 5% Utility User tax & 1.4% PUC tax. Bimonthly Service Charge includes surcharges for Water Rate Assistance Program (20¢/mo) & SRF loan repayment (6¢/mo). Commodity Rate includes \$0.0723 surcharge for SCVWD purchased water & \$0.0784/Ccf Pump Tax.
- (10) Two-tier rate structure. First 22 Ccf bimonthly @ \$2.55/Ccf; 23+ @ 4.68/Ccf. 6% rate increase scheduled for July 2012.
- (11) Three-tier rate structure with three elevation zones. 1st Zone Charge (0-200') is: 0-172 gpd @ \$2.28/Ccf; 173 to 393 gpd @ \$2.83, use in excess of 393 gpd @ \$3.47/Ccf. Additional 43¢/Ccf for customers in Elevation Zone 2 (200-600'); additional 88¢/Ccf for customers above 600'. Bimonthly Service Charge includes \$2.16 for Seismic Improvement Program.
- (12) Three-tier rate structure with four elevation zones. 1st Zone charge (0-60') is: 0-615 gpd @ \$3.49/1,000 gal, 616 to 1,845 gpd @ \$5.55/1,000, use in excess of 1,845 gpd @ \$9.66. Additional 41¢/1,000 for customers between 60' and 200' elevation; additional \$1.34/1,000 over 1st Zone for customers between 200 and 400', additional \$2.05 over 1st Zone for customers above 400'. Commodity rate shown is the weighted average charge for all zones in Novato. Excludes WestMarin rates and charges.

Annual Cost	
Average	\$609
Median	\$589
NMWD	\$544

- (13) Four-tier rate structure. First 8 Ccf monthly @ \$2.91/Ccf, 9-16 Ccf @ \$3.49, 17-24 Ccf @ \$4.36, and 25+ @ \$5.66
- (14) Four-tier rate structure. Bimonthly charge includes 3,000 gal. Next 17,000 @ \$4.42/1,000, next 20,000 @ \$4.58, next 35,000 @ \$5.80, additional @ \$7.70. 45% surcharge for use outside city (approx 10%). 8% increase approved for 10/1/12.
- (15) Three-tier rate structure. 1st 18,000 gallons bimonthly @ \$3.34/1,000, next 22,000 @ \$5.01, add'l at \$7.49. 5.7% increase 7/1.
- (16) Five-tier rate structure. First 4,000 gallons/monthly @ \$2.60/1000, next 3,000 gallons @ \$2.86, next 10,000 @ \$3.57, next 7,000 @ \$4.47 and additional @ \$5.71. Rate increase 7/1/12 based on increase in cost of SCWA water\table

2012 URBAN AREA TOTAL ANNUAL WATER COST COMPARISON

Typical Detached Single-Family Home Annual Consumption = 110,700 Gallons



LEGEND
 Service
 Commodity

(1) Sonoma County Water Agency Prime Contractor.
 (2) Based on weighted average commodity charge - all zones.
 (3) Excludes West Marin rates and charges.

11

MEMORANDUM

To: Board of Directors
From: Chris DeGabriele, General Manager *LD*
Subject: Preparing for Dry Year Conditions
r:\gmbod misc 2012\preparing for dry year conditions.doc

February 17, 2012

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

Rainfall in Novato through Thursday, February 16th is at 9.21 inches. On Lagunitas Creek rainfall at the Kent Lake rain gauge is 18.05 inches. On the Russian River Sonoma County Water Agency (SCWA) has declared dry year conditions. Absent rainfall similar to the 1991 "Miracle March" it's likely that dry year conditions will prevail on the Russian River and on Lagunitas Creek for the summer season. A table of dry year rainfall totals is attached for your information (Attachment 1).

Lagunitas Creek

Rainfall in the Lagunitas Creek watershed measured by Marin Municipal Water District totals 18.05 inches, nearly 10 inches below that necessary for normal year classification. Beginning April 1st, it's likely that a dry year will be designated on Lagunitas Creek which means that summer flows beginning July 1st will be set at 6 cubic feet per second (cfs). Since the State Water Resources Control Board (SWRCB) Order 95-17 was issued in 1995, dry year conditions on Lagunitas Creek have never been experienced. This is the first year that NMWD may have to operate with flows in Lagunitas Creek at less than 8 cfs during the summer. NMWD's water shortage contingency plan for the West Marin service area is included as Attachment 2. Pursuant to that plan, beginning April 1st of a dry year NMWD must inform customers of a Water Shortage Emergency public hearing and contingency measures in the West Marin WaterLine. NMWD must also post stages of action in the Pt. Reyes Light and at the Pt. Reyes Station Post Office. From April 1st through June 30th of a dry year on Lagunitas Creek we are to request a 15% voluntary reduction in water use from a prior normal year, and from July 1st through November 1st during a dry year on Lagunitas Creek we are to request a 25% mandatory reduction in water use from a prior normal year. A draft West Marin emergency water conservation ordinance intended to achieve these reduction levels is also included for the Board's information (Attachment 3). Not that at this time a mandatory 25% reduction would be for the service areas as a whole and does not necessarily impose a 25% mandatory reduction for individual residential customers.

Our intertie agreement with Marin Municipal enables NMWD to request up to 250 acre feet (AF) of water to be released from storage to Lagunitas Creek for rediversion by NMWD. For each AF of water released by Marin Municipal for this purpose we are to pay the cost of delivering Kent Lake water to Marin Municipal customers (approximately \$190 per acre/ft). The intertie agreement also requires that if Marin Municipal has requested voluntary or mandatory water use reductions of its customers, that NMWD would require its West Marin customers to reduce water use by a similar percentage. It is not likely Marin Municipal will request any water use reduction from their customers since their storage is close to 80% and the mandatory requirements of NMWD's water shortage contingency plan would likely trump any call for conservation in the Marin Municipal service territory. Over the next weeks, District staff will be monitoring rainfall data and preparing the West Marin WaterLine for distribution to keep customers informed.

Stafford Lake and Novato

The Russian River water supply system is currently designated as dry pursuant to SWRCB Decision 1610. It will not be surprising should the classification fall to critical dry. The dry year classification means that minimum flows in the Russian River can be reduced, thus preserving storage in both Lake Mendocino and Lake Sonoma for later release necessary for water supply or fishery requirements. Through February 16th, Lake Mendocino still holds just over 62,000 AF and Lake Sonoma holds under 205,000 AF, ample water supply to meet the regions needs this summer (Attachments 4 & 5).

Stafford Lake is a different story with water storage at 35% of capacity through February 16th. While the watershed soil is likely saturated and a "Miracle March" could fill Stafford Lake, it's not likely this will occur. Water should be available for diversion from the Russian River and there is no limit on delivery capacity in the SCWA Transmission System, enabling Novato customers to avoid water use restrictions. The only hiccup would be a SWRCB order pursuant to SCWA's Petition for Temporary Urgency Change to fulfill Biological Opinion requirements. This should not happen with the dry year designation and lowered flows pursuant to Decision 1610, however we won't know conclusively until after April 1st. Nevertheless, NMWD staff has dusted off the Novato area water shortage contingency plan and emergency water conservation ordinance included herein as Attachment 6 & 7. Staff is also investigating alternate staff assignments for treatment plant operators as its likely Stafford Treatment Plant production will be greatly reduced this summer.

Staff will continue to keep the Board apprised as the weeks proceed.

Dry Year Rainfall

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct-Dec Total	Oct-Jan Total	Water Year Total
1976	3.16	0.35	0.68	0.26	2.29	1.06	2.06	0.00	0.00	0.00	0.00	0.54	4.19	4.45	10.68
1977	0.43	1.45	1.25	2.17	1.33	2.69	0.15	1.04	0.00	0.00	0.00	0.08	3.13	5.30	11.29
1991	0.28	0.46	1.63	0.51	4.22	9.39	0.87	0.13	0.31	0.00	0.28	0.00	2.37	2.88	18.08
2007	0.53	2.91	4.66	0.58	4.87	0.13	1.14	0.38	0.02	0.01	0.02	0.06	8.10	8.68	15.32
2008	2.03	0.67	3.76	14.44	2.85	0.07	0.05	0.16	0.00	0.00	0.00	0.00	6.46	20.9	24.03
2009	1.27	2.20	2.34	0.39	10.24	2.73	0.41	0.02	0.00	0.00	0.00	0.33	5.81	6.20	19.93
2012	2.04	2.41	0.31	3.67	0.78								4.76	8.43	9.21

* Thru February 16, 2012.

**DRAFT
NORTH MARIN WATER DISTRICT'S
WATER SHORTAGE CONTINGENCY PLAN
FOR WEST MARIN SERVICE AREA**

August 23, 2002

**NORTH MARIN WATER DISTRICT
WATER SHORTAGE CONTINGENCY PLAN
FOR WEST MARIN SERVICE AREA**

August 2002

Customer Notification

- I. January 1 water year classification "dry"
 - A. NMWD notifies customer by bill message.

"There are dry year conditions on Lagunitas Creek which may trigger implementation of water shortage contingency measures. Final determination will be made on April 1. Please use water wisely."
 - B. NMWD issues press release in February and March informing that potential dry year conditions exist and promoting customer participation in NMWD water conservation programs.
- II. April 1 water year classification "normal"
 - A. Spring edition of NMWD West Marin "Water Line" promotes conservation measures.
- III. April 1 water year classification "dry"
 - A. Spring edition of NMWD West Marin "Water Line" informs customers of "Water Shortage Emergency," public hearing and contingency measures. Water conservation programs and giveaways to be on display.
 - B. Stages of Action published as required in Point Reyes Light and posted at Point Reyes Station post office.

Specific Triggers

- Stage 1 Trigger:** When the total precipitation that occurs from October 1 through April 1 of the following year is less than 28" as measured at the MMWD Kent precipitation gage, and the period is April 1 through June 30.
- Stage 2 Trigger:** When the total precipitation that occurs from October 1 through April 1 of the following year is less than 28" as measured at the MMWD Kent precipitation gage, and the period is July 1 through November 1.
- Stage 3 Trigger:** When the total precipitation that occurs from October 1 through April 1 of the following year is less than 28" as measured at the MMWD Kent precipitation gage, and the period is August 1 through November 1 and water demands in any preceding thirty-day period exceed an average of 433,000 gpd.

Consumption Limits

Stage 1: (Request 15% voluntary reduction)

Residential:	15% voluntary reduction in water use from prior normal year for similar billing period.
Commercial and Industrial	15% voluntary reduction in water use from prior normal year for similar billing period.

Stage 2: (25% mandatory reduction)

Residential	25% reduction in water use from prior normal year for similar billing period.
Commercial and Industrial:	25% reduction in water use from prior normal year for similar billing period (exceptions may be granted by the General Manager for emergency and special needs).

Stage 3: (50% mandatory reduction) **(Critical)**

Residential:	Equivalent to X ¹ gallons per person per day.
Commercial and Industrial	50% reduction in water use from prior normal year for similar billing period (exceptions may be granted to by the General Manager for emergency and special needs).

Stages of Action

Stage 1 Voluntary - achieve a 15% reduction in water use by implementation of the following

- a. Encourage voluntary rationing
- b. Pursue vigorous enforcement of water wasting regulations and provisions of District's Water Conservation Regulation 17.
- c. Request customers to make conscious efforts to conserve water
- d. Request other governmental agencies to demonstrate leadership and implement restrictive water use programs
- e. Distribute water saving kits upon customer request, to assure availability to existing and new customers. (Note: Similar kits were distributed system wide to all customers during the 1976-77 California drought.)
- f. Encourage private sector to use alternate water sources such as private wells.
- g. Encourage the non-commercial washing of privately owned motor vehicles, trailers and boats only from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
- h. Encourage nighttime irrigation
- i. Implement detailed measures from other stages to meet desired objective.

Stage 2 Mandatory - achieve a 25% reduction in water use by declaring a water shortage emergency and implementing Phase 1 (introductory) and Phase 2 (mandatory) of the District's Emergency Water Conservation Ordinance

- a. Under Phase 1, the following uses are declared to be non-essential:

- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Marin County Fire Department or other public agency for the purpose of public safety;
 - (2) refilling a swimming pool;
 - (3) Non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
 - (4) Request restaurants to serve water only upon request.
- b. The following additional uses are declared to be non-essential under Phase 2:
- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
 - (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a hand-held hose or container or drip irrigation system without sprinklers can be used if customer maintains a 25% reduction compared to prior year's use in same billing period (the General Manager shall be authorized to request a greater reduction as required to meet the stage 2, 25% mandatory reduction);
 - (3) use of water for dust control at construction sites;
 - (4) initial filling of any swimming pool;
 - (5) use by a vehicle washing facility in excess of 25% less than the amount used by it during the corresponding billing period in prior year;
 - (6) any non-residential use in excess of 25% less than the amount used by the customer during the corresponding billing period in prior year
- c. Discontinue all intertie deliveries through the intertie to Inverness Public Utility District (IPUD), except for critical needs as determined by the General Manager.

Stage 3 Mandatory - achieve a 50% reduction in water use by enacting Phase 3 of the District's
Critical Emergency Water Conservation Ordinance.

- a. The following additional uses are declared to be non-essential:
- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for aesthetic purposes, at any time day or night during the period when a Stage 3 rationing plan is in progress. (These designated lawns will be allowed to dry up for the summer. Affected customers will be advised on tested methods for re-greening the lawns at minimum expense beginning on November 1, subsequent to a Stage 3 rationing period if operating conditions permit. By following the prescribed instructions, the affected customers will likely avoid the cost of replacing the lawns.)
 - (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.
 - (3) Public agencies may apply to the General Manager for exemptions for watering specific public lawns used extensively for community wide recreation. Such public area lawn watering shall only be done under methods and time periods prescribed by the General Manager. Such exemptions will only be given by the General Manager, if a 50% or greater conservation level can otherwise be achieved on a service area basis.

- (4) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand held nozzle. An exception will be made to permit drip irrigation for established perennial plants and trees using manual or automatic time controlled water application sufficient only for assured plant survival.
- (5) No new annual plants, vegetables, flowers or vines may be planted until the Stage 3 emergency is over. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.
- b. Limit deliveries of water to outside service area customers to that needed for human consumption, sanitation and public safety.
- c. Discontinue all water deliveries through the intertie to IPUD.
- d. The following additional actions will be recommended for District customers:
 - (1) Navy style showering will be promoted (e.g., turn on water to wet person or persons, turn off water, lather up, scrub, then turn on water for a quick rinse, then turn off shower).
Customers will be provided push button showerhead control valves upon request, and at no direct charge to them, to better allow them to take "Navy style showers."
 - (2) Customers will be urged not to regularly flush their toilets for disposal of urine only.
- e. Implement detailed measures from other stages to meet desired objective.

Adoption of Plan

The emergency rationing plan will be enacted after public hearing required by the District's Emergency Water Conservation Ordinance and a determination by the District's Board of Directors that a West Marin Water Shortage Emergency exists.

Monitoring of Actual Water Use

Monitoring of water use will be by meters with data analysis using the District's computers.

Mandatory Prohibitions

Wasting of water is prohibited by Regulation 17 of the North Marin Water District.

Phase 2 and Phase 3 of the Emergency Ordinance contain specific mandatory provisions.

Revenue and Expenditure Analysis

Assessment of potential revenue losses will be made as each stage is implemented and rate adjustments thereafter will be made in a timely manner to guarantee continued operation of the water system with reduced water sales.

The District Board of Directors will review all aspects of rate design and its reserve position before deciding whether to pass on the revenue loss, and/or cost of water conservation enforcement, in part or in full, in the form of a rate adjustment to the ratepayers.

DRAFT
NORTH MARIN WATER DISTRICT
WEST MARIN SERVICE AREA
EMERGENCY WATER CONSERVATION ORDINANCE

August 23, 2002

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DRAFT

EMERGENCY WATER CONSERVATION ORDINANCE

ORDINANCE NO.

AN ORDINANCE OF NORTH MARIN WATER DISTRICT DECLARING THE EXISTENCE OF A WATER SHORTAGE EMERGENCY CONDITION WITHIN A PORTION OF THE DISTRICT, PROHIBITING THE WASTE AND NON-ESSENTIAL USE OF WATER, AND PROVIDING FOR THE CONSERVATION OF THE WATER SUPPLY OF THE DISTRICT

BE IT ORDAINED by the Board of Directors of North Marin Water District as follows:

Section 1. Declaration of a Water Shortage Emergency

This Board of Directors does hereby find and declare as follows:

(a) Pursuant to Resolution No. _____ duly adopted by this Board on _____, a public hearing was held on _____, on the matter of whether this Board of Directors should declare a water shortage emergency condition exists within the West Marin water service area of this District which is served by wells adjacent to Lagunitas Creek.

(b) Notice of said hearing was published in the _____, a newspaper of general circulation printed and published within said West Marin water service area of the District.

(c) At said hearing all persons present were given an opportunity to be heard and all persons desiring to be heard were heard.

(d) Said hearing was called, noticed and held in all respects as required by law.

(e) This Board heard and has considered each protest against the declaration and all evidence presented at said hearing.

(f) A water shortage emergency condition exists and prevails within the portion of the territory of this District served by wells adjacent to Lagunitas Creek. Said portion of this District is hereinafter referred to as the West Marin area and consists in all the territory of this District generally known as Point Reyes Station, Inverness Park, Olema, Bear Valley and Paradise Ranch Estates. Said water shortage exists by reason of the fact that the ordinary demands and requirements of the water consumers in the West Marin area cannot be met and satisfied by the water supplies now available to this District in the said area.

Section 2. Purpose and Authority

The purpose of this ordinance is to conserve the water supply of the District for the greatest public benefit with particular regard to public health, fire protection and domestic use, to conserve water by reducing waste, and to the extent necessary by reason of drought and the existing water shortage emergency condition to reduce water use fairly and equitably. This ordinance is adopted pursuant to Water Code Section 350 to and including 358, and Sections 31026 to and including 31029.

Section 3. Effect of Ordinance

This ordinance shall take effect immediately, shall be effective only in the West Marin service area, shall supersede and control over any other ordinance or regulation of the District in conflict herewith, and shall remain in effect until the Board of Directors declares that the water shortage emergency has ended.

Section 4. Suspension of New Connections to the District's Water System

(a) From and including _____, the Board of Directors by resolution declares that the water shortage has ended, which period is hereinafter referred to as the suspension period, no new or enlarged connection shall be made to the District's water system except the following:

- (1) connection pursuant to the terms of connection agreements which prior to _____, had been executed or had been authorized by the Board of Directors to be executed;
- (2) connections of fire hydrants;
- (3) connections of property previously supplied with water from a well which runs dry.
- (4) connection of property for which the Applicant agrees to defer landscape installation until after the suspension period.

(b) During the suspension period applications for water service will be processed only if the Applicant acknowledges in writing that such processing shall be at the risk and expense of the Applicant and that if the application is approved in accordance with the District's regulations, such approval shall confer no right upon the Applicant or anyone else until the suspension period has expired, and that the Applicant releases the District from all claims of damage arising out of or in any manner connected with the suspension of connections.

(c) Upon the expiration of the suspension period, the District will make connections to its water system in accordance with its regulations and the terms of connection agreements for all said applications approved during the suspension period. The water supply then available to the District will be apportioned equitably among all the customers then being served by the District without discrimination against services approved during the suspension period.

(d) Nothing herein shall prohibit or restrict any modification, relocation or replacement of a connection to the District's system if the General Manager determines that the demand upon the District's water supply will not be increased thereby.

Section 5. Waste of Water Prohibited

No water furnished by the District shall be wasted. Waste of water includes, but is not limited to, the following:

- (a) permitting water to escape down a gutter, ditch or other surface drain;
- (b) failure to repair a controllable leak of water;
- (c) failure to put to reasonable beneficial use any water withdrawn from the District's system.

Section 6. Prohibition of Non-Essential Use of Water

(a) No water furnished by the District shall be used for any purpose declared to be non-essential by this ordinance.

Phase 1 - Voluntary Phase is designed to achieve 15% reduction in water usage by encouraging voluntary rationing, enforcement of water wasting regulations and water conservation Regulation 17, requesting customers to make conscious efforts to conserve water, encourage private sector to use alternate source and encourage night irrigation.

Phase 2 - Mandatory Rationing (25% reduction)

- (b) The following uses are declared to be non-essential from and after _____:
- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Marin County Fire Department or other public agency for the

- purpose of public safety;
- (2) refilling a swimming pool drained after _____;
 - (3) non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
 - (4) Request restaurants to serve water only upon request.
- (c) The following additional uses are declared to be non-essential from and after _____:
- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
 - (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose or container or drip irrigation system except as provided in Section 10 hereof;
 - (3) use of water for dust control at construction sites;
 - (4) initial filling of any swimming pool for which application for a building permit was made after _____;
 - (5) use by a vehicle washing facility in excess of 25% less than the amount used by it during the corresponding billing period in _____. If the facility was not operating in _____, an assumed amount shall be computed by the District from its records.
 - (6) any non-residential use in excess of 25% less than the amount used by the customer during the corresponding billing period in _____. If connection to the District system was not in existence or use in _____, an assumed amount will be computed from the District's records.

Phase 3 - Severe Mandatory Rationing (50% reduction)

(d) From and after the date that the Board of Directors, by resolution, determines that the water shortage emergency requires severe rationing, the following additional uses are declared to be non-essential:

- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for aesthetic purposes, at any time of the day or night during the period of August 1, through October 31, when a Stage 3 is in progress.
- (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.
- (3) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand held nozzle. An exception will be made for carefully timed drip irrigation for established perennial plants and trees. Only sufficient water for assured plant survival may be applied.
- (4) No new annual plants, vegetables, flowers or vines may be planted during the Stage 3 emergency period. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.

The combined rationing including Phase 1, 2, and 3 is designed to achieve a minimum reduction of 50% or more in West Marin service territory water consumption as compared with normal year annual usage.

(e) The percentages stipulated in Phase 2 and Phase 3 may be increased by the General Manager for any class of customer if the General Manager determines that such increase is necessary to protect the public health, safety and welfare or to spread equitably among the water users of the District the burdens imposed by the drought and the shortage in the District's water supply.

Section 7. Variances

Applications for a variance from the provisions of Section 6 of this ordinance may be made to the General Manager. The General Manager may grant a variance to permit a use of water otherwise prohibited by Section 6 if the General Manager determines that the variance is reasonably necessary to protect the public health and safety. Any decision of the General Manager under this section may be appealed to the Board of Directors.

Section 8. Violations

(a) If and when the District becomes aware of any violation of any provision of Section 5 or 6 of this ordinance, a verbal warning will be given, then if the violation continues or is repeated, a written notice shall be placed on the property where the violation occurred and mailed to the person who is regularly billed for the service where the violation occurs and to any other person known to the District who is responsible for the violation or its correction. Said notice shall describe the violation and order that it be corrected, cured and abated immediately or within such specified time as the General Manager determines is reasonable under the circumstances. If said order is not complied with, the District may forthwith disconnect the service where the violation occurs.

(b) For the first offense, a fee of \$50 shall be paid for the reconnection of any service disconnected pursuant to subsection (a) during the suspension period. For each subsequent violation of Section 8 (a), the fee for reconnection shall be \$75.

(c) No service which is disconnected twice because of a violation of Section 5 or 6 of this ordinance during the suspension period, shall be reconnected unless a device supplied by the District which will restrict the flow of water to said service is installed. Furthermore, the fee for reconnection of such a service during the suspension period shall be \$100 in lieu of the fee required by subsection (b) hereof.

Section 9. Signs on Lands Supplied from Private Wells

The owner or occupant of any land within the West Marin water service area that is supplied with water from a private well shall post and maintain in a conspicuous place thereon a sign furnished by the District giving public notice of such supply.

Section 10. Use of Sprinklers Conditional

Any customer of the District may use a non-automated sprinkler or sprinkler system to apply water furnished by the District to irrigate any lawn, garden, landscaped area, trees or shrubs provided said application is attended, properly controlled, performed in a non-wasteful manner and confined to the hours between 7:00 p.m. and 9:00 a.m. of the next day. The term sprinkler shall be defined to include soaker hoses or lines. The privilege to use a sprinkler or sprinkler system shall be banned for all customers in the event the Board of Directors of the District determines that the aggregate water use by all customers exceeds 50% of the amount of water used by all customers for the same or a similar period during a normal year at least 12 months prior. The General Manager of the District may at any time and without prior notice temporarily prohibit the use of sprinklers in part of or the entire water system if in his judgment such use may reduce the District's water supplies below levels adequate for human consumption, sanitation and fire protection

purposes. The District reserves the right to check the water use of any customer and if such use exceeds 50% of the use by the same customer or account for the same or a corresponding period during a normal year at least 12 months prior or if sprinkled water is used in a wasteful manner, the General Manager may prohibit sprinkling by that customer.

* * * * *

I hereby certify that the foregoing is a true and complete copy of an ordinance duly and regularly adopted by the Board of Directors of North Marin Water District at a regular meeting thereof held on _____ by the following vote:

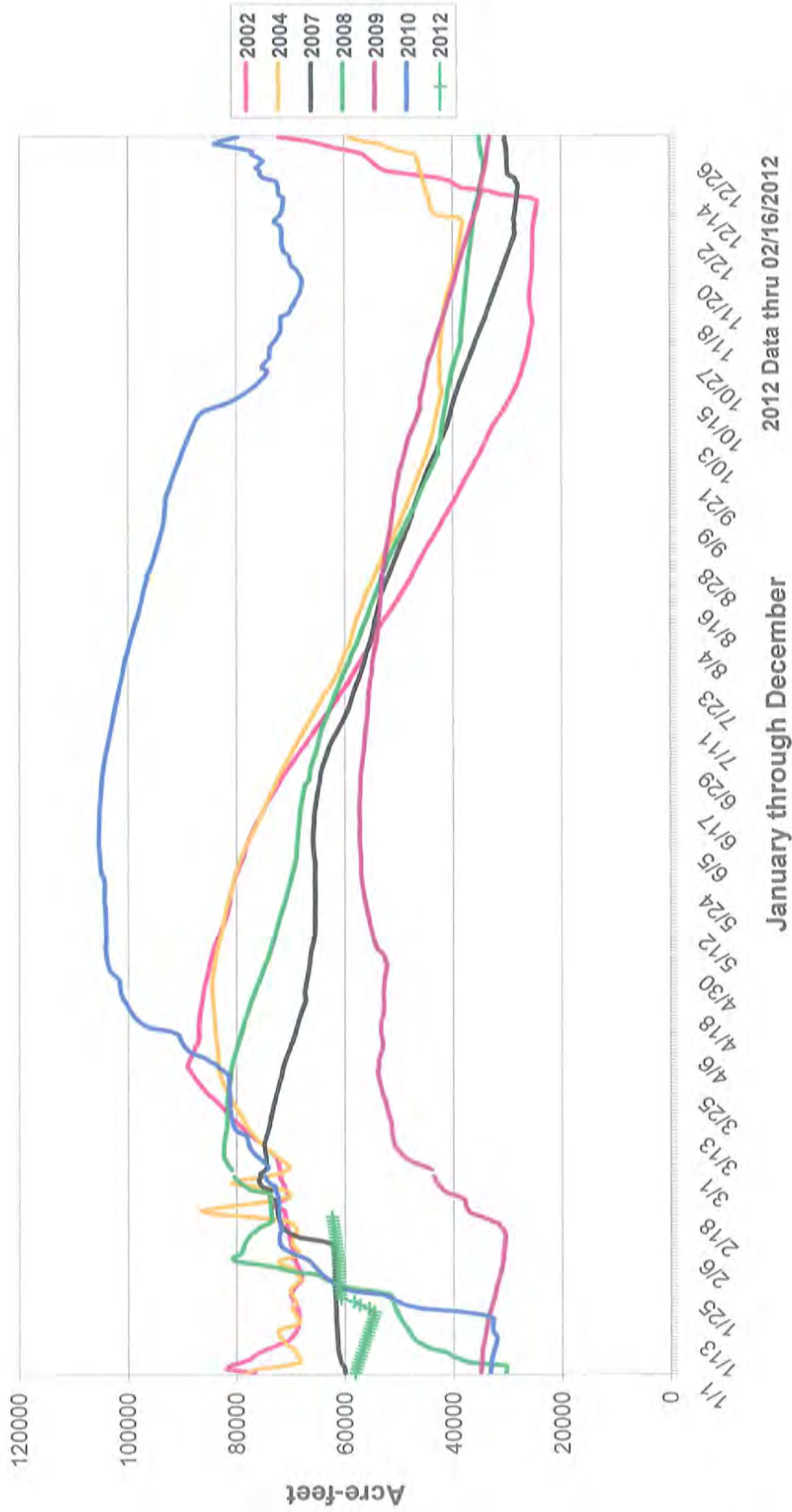
AYES: Directors
NOES:
ABSENT:
ABSTAINED:

(SEAL)

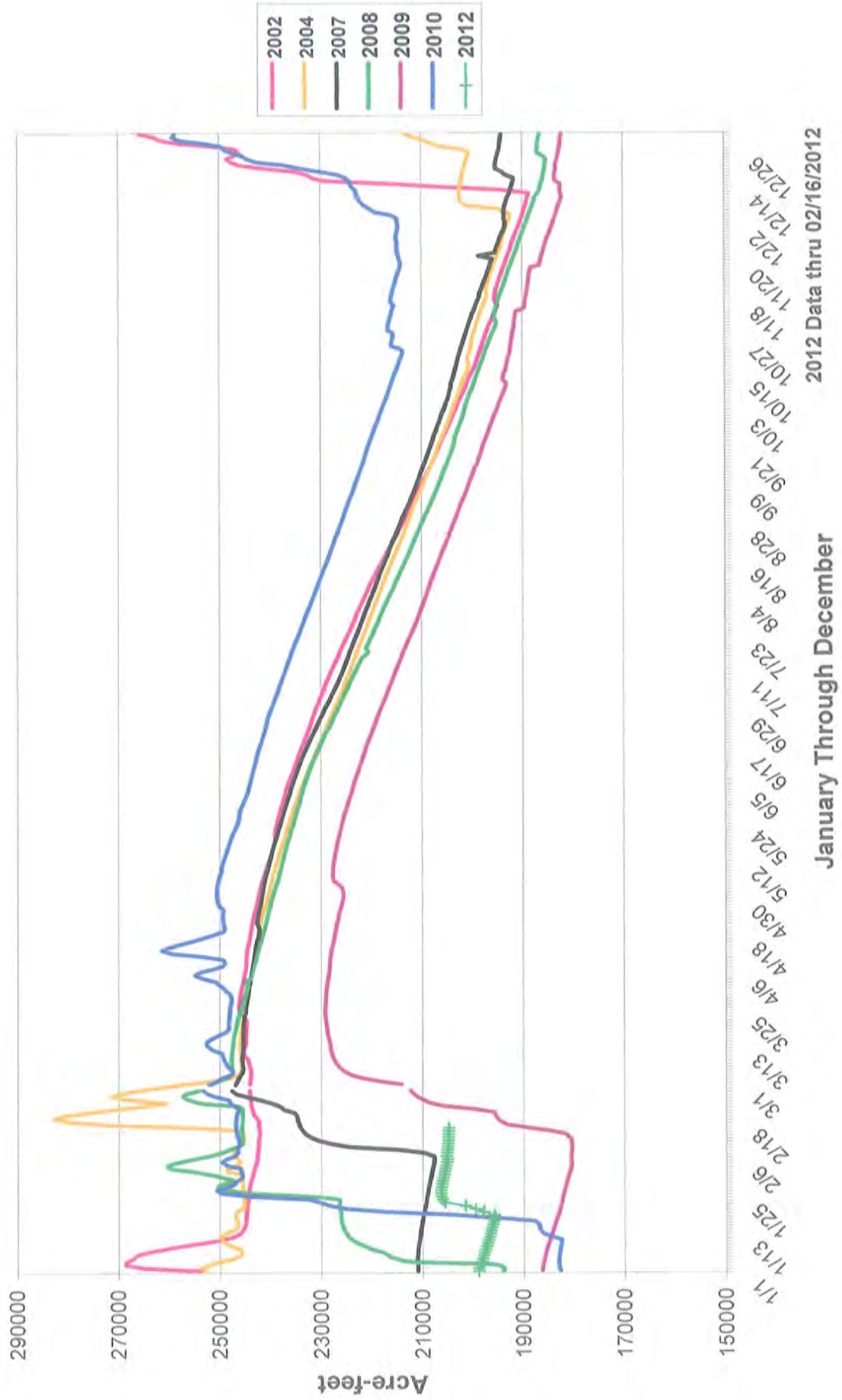
Secretary
North Marin Water District

C:\WP51\CHRIS\LAGUNITA\Water Contingency Plan\WM Model Emergency Ordinance clean.doc

Lake Mendocino Storage 2002, 2004, 2007, 2008, 2009, 2010 and 2012



Lake Sonoma Storage 2002, 2004, 2007, 2008, 2009, 2010 and 2012



**NORTH MARIN WATER DISTRICT'S
WATER SHORTAGE CONTINGENCY PLAN
FOR GREATER NOVATO AREA**

**NORTH MARIN WATER DISTRICT
WATER SHORTAGE CONTINGENCY PLAN
FOR GREATER NOVATO AREA**

March 2006

Customer Notification

1. NMWD notifies customers by bill message
 - A. Dry water supply conditions exist on the Russian River. Please reduce your water use by 15%. Consult the NMWD website for water saving tips and the latest news on water supply status.
 - B. Critical dry water supply conditions exist on the Russian River. A mandatory _____% reduction in water use is required. Consult the NMWD website for more information.
2. Special issue of NMWD WaterLine will be mailed to all customers during critical dry conditions stipulating mandatory requirements.

Specific Triggers

Stage 1 Trigger: When the Sonoma County Water Agency adopts a Stage 1 Water Emergency (Criteria: Dry Conditions¹ prevail for at least 30 days on the Russian River system.

Stage 2 Trigger: When the Sonoma County Water Agency adopts a Stage 2 Water Emergency provided that storage is not projected to fall below 70,000-acre feet in Lake Sonoma.

Stage 3 Trigger: When the Sonoma County Water Agency adopts a Stage 3 Water Emergency.

Consumption Limits

Stage 1: (Request for up to 15% voluntary reduction)

Residential: 15% voluntary reduction in water use from prior year for similar billing period

¹ Dry Conditions are defined in State Water Resources Control Board Decision 1610 as follows:

Date	Cumulative Inflow to Lake Pillsbury
January 1	8,000 acre feet
February 1	39,200 acre feet
March 1	65,700 acre feet
April 1	114,500 acre feet
May 1	145,000 acre feet
June 1	160,000 acre feet

Commercial and Industrial 15% voluntary reduction in water use from prior year for similar billing period (exceptions may be granted in order to preserve jobs)

Stage 2: (Up to 30% mandatory reduction)

Residential 30% reduction in water use from prior year for similar billing period

Commercial and Industrial: 30% reduction in water use from prior year for similar billing period (exceptions may be granted in order to preserve jobs)

Stage 3: (Up to 50% mandatory reduction)

Residential: Equivalent to X² gallons per person per day

Commercial and Industrial 50% reduction in water use from prior year for similar billing period (exceptions may be granted to preserve jobs)

Stages of Action

Stage 1 Voluntary - achieve up to a 15% reduction³ in water use by implementation of the following

- a. Encourage voluntary rationing
- b. Pursue vigorous enforcement of water wasting regulations and provisions of District's Water Conservation Regulation 15 which requires water saving devices in new construction, prohibits installation of certain wasteful types of turf configurations, and encourages turf avoidance
- c. Request customers to make conscious efforts to conserve water
- d. Request other governmental agencies to demonstrate leadership and implement restrictive water use programs
- e. Distribute water saving kits upon customer request, to assure availability to existing and new customers. (Note: Similar kits were distributed system wide to all customers during the 1976-77 California drought.)
- f. Encourage private sector to use alternate water sources such as recycled water or use of private wells.
- g. Encourage the non-commercial washing of privately owned motor vehicles, trailers and boats only from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
- h. Encourage nighttime irrigation

Stage 2 Mandatory - achieve up to a 30% reduction³ in water use by declaring a water shortage emergency and implementing Phase 1 (introductory) and Phase 2 (mandatory) of the District's Emergency Water Conservation Ordinance

- a. Under Phase 1, the following uses are declared to be non-essential:

² gpcd is to be determined when the water shortage emergency is declared

³Exact amount and Districtwide measurement of goal and method of achievement to be established by Board of Directors after examining projected supplies from SCWA, Stafford Lake and treatment plant and emergency well sources and after holding water shortage emergency hearing.

- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Novato Fire Protection District or other public agency for the purpose of public safety;
 - (2) refilling a swimming pool;
 - (3) Non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
 - (4) Request restaurants to serve water only upon request.
- b. The following additional uses are declared to be non-essential under Phase 2:
- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
 - (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a hand-held hose or container or drip irrigation system except sprinklers can be used if customer maintains a 30% reduction compared to prior year's use in same billing period;
 - (3) watering any portion of a golf course except the tees and greens except where private well or recycled water supply is used;
 - (4) use of water for dust control at construction sites;
 - (5) initial filling of any swimming pool;
 - (6) use by a vehicle washing facility in excess of 30% less than the amount used by it during the corresponding billing period in prior year;
 - (7) any non-residential use in excess of 30% less than the amount used by the customer during the corresponding billing period in prior year

Stage 3 Mandatory - achieve up to a 50%² reduction in water use by enacting Phase 3 of the District's Emergency Water Conservation Ordinance.

- a. The following additional uses are declared to be non-essential:
- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for aesthetic purposes, at any time day or night during the period of March 1, through September 30, when a Stage 3 rationing plan is in progress. (These designated lawns will be allowed to dry up for the summer. Affected customers will be advised on tested methods for re-greening the lawns at minimum expense beginning on October 1, during a Stage 3 rationing period if operating conditions permit. By following the prescribed instructions, the affected customers will likely avoid the cost of replacing the lawns.)
 - (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.
 - (3) Public agencies may apply to the General Manager for exemptions for watering specific public lawns used extensively for community wide recreation. Such public area lawn watering shall only be done under methods and time periods prescribed by the General Manager. Such exemptions will only be given by the General Manager, if a 50% or greater conservation level can otherwise be achieved on a service area basis.

- (4) Golf courses may only use private well or recycled water for general irrigation. Golf courses may apply to the General Manager for specific exemptions to water greens only, and then only under methods and time periods prescribed by the General Manager. Such exemptions will only be given by the General Manager, if a 50% or greater conservation level can otherwise be achieved on a service area basis.
 - (5) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand held nozzle. An exception will be made to permit drip irrigation for established perennial plants and trees using manual or automatic time controlled water application sufficient only for assured plant survival.
 - (6) No new annual plants, vegetables, flowers or vines may be planted until the Stage 3 emergency is over. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.
- b. The following additional voluntary actions will be recommended for District customers:
- (1) Navy style showering will be promoted (e.g., turn on water to wet person or persons, turn off water, lather up, scrub, then turn on water for a quick rinse, then turn off shower).
Customers will be provided push button showerhead control valves upon request, and at no direct charge to them, to better allow them to take "Navy style showers."
 - (2) Customers will be urged not to regularly flush their toilets for disposal of urine only.

Plan Preparation

This plan has been coordinated with the Sonoma County Water Agency and the other regular contractors which utilize the Sonoma County Water Agency Aqueduct System and the City of Novato, and County, State and Federal Emergency Services Offices.

Adoption of Plan

The emergency rationing plan will be enacted after public hearing required by the District's Emergency Water Conservation Ordinance and a determination by the District's Board of Directors that a Water Shortage Emergency exists.

Monitoring of Actual Water Use

Monitoring of water use will be by meters with data analysis using the District's computers.

Mandatory Prohibitions

Wasting of water is prohibited by Regulation 15 of the North Marin Water District.

Phase 2 and Phase 3 of the Emergency Ordinance contain specific mandatory provisions.

Revenue and Expenditure Analysis

Assessment of potential revenue losses will be made as each stage is implemented and rate adjustments thereafter will be made in a timely manner to guarantee continued operation of the water system with reduced water sales.

The District Board of Directors will review all aspects of rate design and its reserve position before deciding whether to pass on the revenue loss, in part or in full, in the form of a rate adjustment to the ratepayers.

DRAFT
NORTH MARIN WATER DISTRICT
EMERGENCY WATER CONSERVATION ORDINANCE

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DRAFT

EMERGENCY WATER CONSERVATION ORDINANCE

ORDINANCE NO.

AN ORDINANCE OF NORTH MARIN WATER DISTRICT DECLARING THE EXISTENCE OF A WATER SHORTAGE EMERGENCY CONDITION WITHIN A PORTION OF THE DISTRICT, PROHIBITING THE WASTE AND NON-ESSENTIAL USE OF WATER, AND PROVIDING FOR THE CONSERVATION OF THE WATER SUPPLY OF THE DISTRICT

BE IT ORDAINED by the Board of Directors of North Marin Water District as follows:

Section 1. Declaration of a Water Shortage Emergency

This Board of Directors does hereby find and declare as follows:

(a) Pursuant to Resolution No. _____ duly adopted by this Board on _____, a public hearing was held on _____, on the matter of whether this Board of Directors should declare a water shortage emergency condition exists within the water service area of this District which is served by Stafford Lake and the North Marin Aqueduct.

(b) Notice of said hearing was published in the _____, a newspaper of general circulation printed and published within said water service area of the District.

(c) At said hearing all persons present at said hearing were given an opportunity to be heard and all persons desiring to be heard were heard.

(d) Said hearing was called, noticed and held in all respects as required by law.

(e) This Board heard and has considered each protest against the declaration and all evidence presented at said hearing.

(f) A water shortage emergency condition exists and prevails within the portion of the territory of this District served by Stafford Lake and the North Marin Aqueduct. Said portion of this District is hereinafter referred to as the Novato area and consists in all the territory of this District except the portions hereof in the western part of Marin County denominated Annexations 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15 and 16 generally known as Point Reyes Station, Inverness Park, Olema, Oceana Marin, and territories on the east shore of Tomales Bay. Said water shortage exists by reason of the fact that the ordinary demands and requirements of the water consumers in the Novato area cannot be met and satisfied by the water supplies now available to this District in the Novato area without depleting the water supply to the extent that there would be insufficient water for human consumption, sanitation and fire protection.

Section 2. Purpose and Authority

The purpose of this ordinance is to conserve the water supply of the District for the greatest public benefit with particular regard to public health, fire protection and domestic use, to conserve water by reducing waste, and to the extent necessary by reason of drought and the existing water shortage emergency condition to reduce water use fairly and equitably. This ordinance is adopted pursuant to Water Code Section 350 to and including 358, and Sections 31026 to and including 31029.

Section 3. Effect of Ordinance

This ordinance shall take effect immediately, shall be effective only in the Novato area, shall supersede and control over any other ordinance or regulation of the District in conflict herewith, and shall remain in effect until the Board of Directors declares that the water shortage emergency has ended.

Section 4. Suspension of New Connections to the District's Water System

(a) From and including _____, the Board of Directors by resolution declares that the water shortage has ended, which period is hereinafter referred to as the suspension period, no new or enlarged connection shall be made to the District's water system except the following:

- (1) connection pursuant to the terms of connection agreements which prior to _____, had been executed or had been authorized by the Board of Directors to be executed;
- (2) connections of fire hydrants;
- (3) connections of property previously supplied with water from a well which runs dry.
- (4) connection of property for which the Applicant agrees to defer landscape installation until after the suspension period.

(b) During the suspension period applications for water service will be processed only if the Applicant acknowledges in writing that such processing shall be at the risk and expense of the Applicant and that if the application is approved in accordance with the District's regulations, such approval shall confer no right upon the Applicant or anyone else until the suspension period has expired, and that the Applicant releases the District from all claims of damage arising out of or in any manner connected with the suspension of connections.

(c) Upon the expiration of the suspension period, the District will make connections to its water system in accordance with its regulations and the terms of connection agreements for all said applications approved during the suspension period. The water supply then available to the District will be apportioned equitably among all the customers then being served by the District without discrimination against services approved during the suspension period.

(d) Nothing herein shall prohibit or restrict any modification, relocation or replacement of a connection to the District's system if the General Manager determines that the demand upon the District's water supply will not be increased thereby.

Section 5. Waste of Water Prohibited

No water furnished by the District shall be wasted. Waste of water includes, but is not limited to, the following:

- (a) permitting water to escape down a gutter, ditch or other surface drain;
- (b) failure to repair a controllable leak of water;
- (c) failure to put to reasonable beneficial use any water withdrawn from the District's system.

Section 6. Prohibition of Non-Essential Use of Water

(a) No water furnished by the District shall be used for any purpose declared to be non-essential by this ordinance.

Phase 1 - Introductory Phase

(b) The following uses are declared to be non-essential from and after _____:

- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Novato Fire Protection District or other public agency for the purpose of public safety;
- (2) refilling a swimming pool drained after _____;
- (3) non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.

Phase 2 - Moderate Mandatory Rationing (30% reduction)

- (c) The following additional uses are declared to be non-essential from and after _____:
- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
 - (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose or container or drip irrigation system except as provided in Section 10 hereof;
 - (3) watering any portion of a golf course except the tees and greens except as provided in Section 10 hereof or where private well or recycled water supply is used;
 - (4) use of water for dust control at construction sites;
 - (5) initial filling of any swimming pool for which application for a building permit was made after _____;
 - (6) use by a vehicle washing facility in excess of 30% less than the amount used by it during the corresponding billing period in _____. If the facility was not operating in _____, an assumed amount shall be computed by the District from its records. This subsection shall not apply to any facility that recycles water in a manner satisfactory to the District.
 - (7) any non-residential use in excess of 30% less than the amount used by the customer during the corresponding billing period in _____. If connection to the District system was not in existence or use in _____, an assumed amount will be computed from the District's records.

Phase 3 - Severe Mandatory Rationing (50% reduction)

(d) From and after the date that the Board of Directors, by resolution, determines that the water shortage emergency requires severe rationing, the following additional uses are declared to be non-essential:

- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for aesthetic purposes, at any time of the day or night during the period of March 1, through September 30, when a Stage 3 is in progress.
- (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.
- (3) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand held nozzle. An exception will be made for carefully timed drip irrigation for established perennial plants and trees. Only sufficient water for assured plant survival may be applied.
- (4) No new annual plants, vegetables, flowers or vines may be planted during the Stage 3 emergency period. An exception will be made for customers who are eliminating

existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.

The combined rationing including Phase 1, 2, and 3 is designed to achieve a minimum reduction of 50% or more in Novato service territory water consumption as compared with normal annual usage.

(e) The percentages stipulated in Phase 2 and Phase 3 may be increased by the General Manager for any class of customer if the General Manager determines that such increase is necessary to protect the public health, safety and welfare or to spread equitably among the water users of the District the burdens imposed by the drought and the shortage in the District's water supply.

Section 7. Variances

Applications for a variance from the provisions of Section 6 of this ordinance may be made to the General Manager. The General Manager may grant a variance to permit a use of water otherwise prohibited by Section 6 if the General Manager determines that the variance is reasonably necessary to protect the public health and safety. Any decision of the General Manager under this section may be appealed to the Board of Directors.

Section 8. Violations

(a) If and when the District becomes aware of any violation of any provision of Section 5 or 6 of this ordinance, a verbal warning will be given, then if the violation continues or is repeated, a written notice shall be placed on the property where the violation occurred and mailed to the person who is regularly billed for the service where the violation occurs and to any other person known to the District who is responsible for the violation or its correction. Said notice shall describe the violation and order that it be corrected, cured and abated immediately or within such specified time as the General Manager determines is reasonable under the circumstances. If said order is not complied with, the District may forthwith disconnect the service where the violation occurs.

(b) For the first offense, a fee of \$50 shall be paid for the reconnection of any service disconnected pursuant to subsection (a) during the suspension period. For each subsequent violation of Section 8 (a), the fee for reconnection shall be \$75.

(c) No service which is disconnected twice because of a violation of Section 5 or 6 of this ordinance during the suspension period, shall be reconnected unless a device supplied by the District which will restrict the flow of water to said service is installed. Furthermore, the fee for reconnection of such a service during the suspension period shall be \$100 in lieu of the fee required by subsection (b) hereof.

(d) In the event the District determines that water furnished by the District has been used to fill a swimming pool in violation of Section 5 or 6 hereof, service shall be disconnected and shall be reconnected pursuant to Section 8 (b) hereof, as applicable, except that the reconnection fee shall be \$200 for each subsequent offense.

Section 9. Signs on Lands Supplied from Private Wells or Recycled Water

The owner or occupant of any land within the Novato water service area that is supplied with water from a private well or with recycled water shall post and maintain in a conspicuous place thereon a sign furnished by the District giving public notice of such supply.

Section 10. Use of Sprinklers Conditional

Any customer of the District may use a sprinkler or sprinkler system to apply water furnished by the District to irrigate any lawn, garden, landscaped area, trees or shrubs provided said application is attended, properly controlled, performed in a non-wasteful manner and confined to the hours between 7:00 p.m. and 9:00 a.m. of the next day. The term sprinkler shall be defined to include soaker hoses or lines. The privilege to use a sprinkler or sprinkler system shall be banned for all customers in the event the Board of Directors of the District determines that the aggregate water use by all customers exceeds 50% of the amount of water used by all customers for a similar period 12 months prior. The General Manager of the District may temporarily prohibit the use of sprinklers in part of or the entire water system if in his judgement such use may reduce the District's water supplies below levels adequate for human consumption, sanitation and fire protection purposes. The District reserves the right to check the water use of any customer and if such use exceeds 50% of the use by the same customer or account for the corresponding period in _____ or if sprinkled water is used in a wasteful manner, the General Manager may prohibit sprinkling by that customer.

* * * * *

I hereby certify that the foregoing is a true and complete copy of an ordinance duly and regularly adopted by the Board of Directors of North Marin Water District at a regular meeting thereof held on _____ by the following vote:

AYES: Directors
NOES:
ABSENT:
ABSTAINED:
(SEAL)

Secretary
North Marin Water District

12



PUBLIC POLICY FACILITATING COMMITTEE Agenda

Thursday, February 9, 2012

9 a.m. – 11:30 a.m.

Sonoma County Board of Supervisors Chamber

575 Administrative Dr., Room 102a, Santa Rosa

1. WELCOME

Chairman Efren Carrillo

2. PROJECT COMPONENTS: YEAR FOUR PLANS & CHALLENGES

- a. Dry Creek – Habitat enhancement, hatchery improvements, coho broodstock program
 - i. David Manning, Principal Environmental Specialist, Sonoma County Water Agency
 - ii. Mike Dillabough, Chief, Operations and Readiness Division, San Francisco District, U.S. Army Corps of Engineers
 - iii. Eric Larson, Programs Manager, Bay-Delta Region, California Department of Fish & Game
- b. Fish Flow Project – Changing minimum instream flows in Russian River and Dry Creek
Pam Jeane, Assistant General Manager of Operations, Sonoma County Water Agency
- c. Estuary – Outlet Channel Management implementation & Biological Surveys
Jessica Martini-Lamb, Principal Environmental Specialist, Sonoma County Water Agency

3. OVERVIEW OF YEAR THREE MILESTONES

Dr. William Hearn, National Marine Fisheries Service

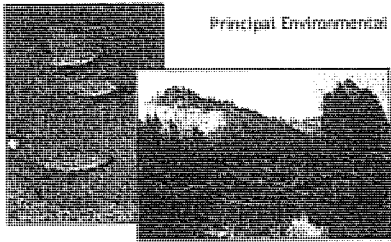
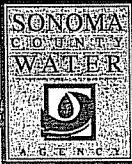
4. PUBLIC COMMENTS

5. 2012 PPFC DECEMBER MEETING DATE: December 13, 9 a.m. – 11:30 a.m.


6. ADJOURN

Dry Creek Habitat Enhancement


David Manning
Principal Environmental Specialist

www.sonomacountywater.org



Juvenile Coho and Steelhead Summer and Winter Rearing Habitat



Dry Creek Objectives & Timeline

- Reduce water velocity for coho summer and winter rearing
- Create near optimal depth, cover, habitat complexity
- Enhance 6 of 14 miles (10 of 22 km)
- 12 years
- Use an Adaptive Management Approach

**Biological Opinion:
Projects Required in Dry Creek Valley**

2008 - 2011
Conduct two studies, one to assess existing Dry Creek reaches and establish the necessity of a pipeline from Poles Runners Creek to the Russian River. Draft two restoration projects on the basis of Dry Creek.

Monitoring

2013 - 2014
Restores one mile of habitat in Dry Creek


Monitoring

2015 - 2017
Restores two additional miles of habitat in Dry Creek.

Monitoring

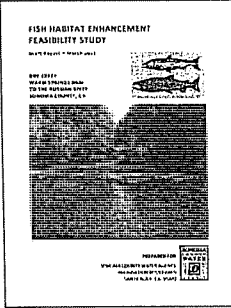
2018
Evaluate the success of restoration projects.

If Projects are Successful → **2019 - 2020** Restores three additional miles of Dry Creek - habitat for a total of six miles.
 If Projects are Unsuccessful → Restores a mile of a pipeline system in Dry Creek.



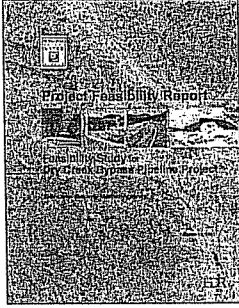
Plan "A"


Habitat Enhancement



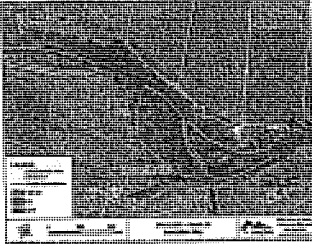
Plan "B"

Bypass Pipeline





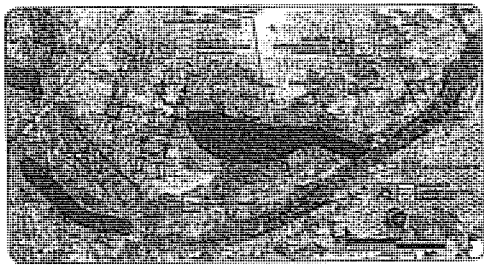
Habitat Feasibility Study



- 45 Potential project opportunities
- Distributed throughout 14 miles
- 9 miles of off channel habitat
- Total cost for 6 mile objective = \$36 to \$48 Million


SONOMA WATER

Summer Habitat Opportunities



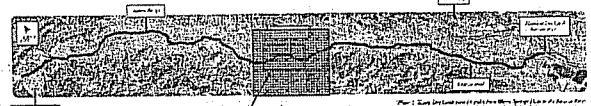
SONOMA WATER

Winter Habitat Opportunities

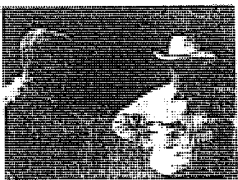


SONOMA WATER

Demonstration Project



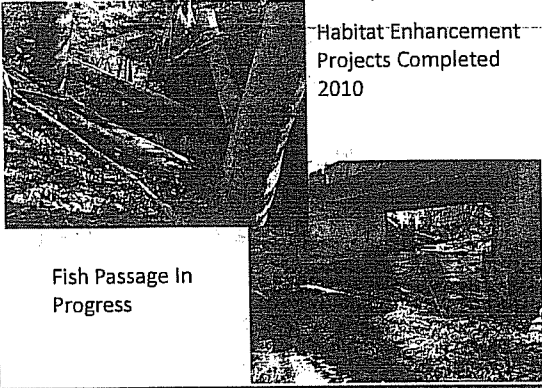
- Dry Creek Valley
170 owners
- 11 Voluntary landowners including 5 Wineries along 1 Contiguous Mile
- Implementation in 2012-2013




SONOMA WATER

Grape Creek Projects

Habitat Enhancement
Projects Completed
2010





Fish Passage In
Progress




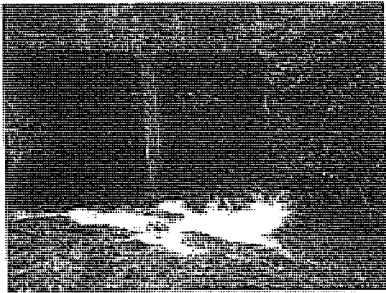
Crane Creek Fish Passage Project

Completed October
2011




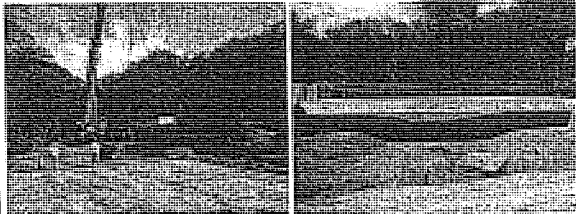
Wallace Creek Fish Passage Project

In Progress



Willow Creek Fish Passage Project

Completed October
2011

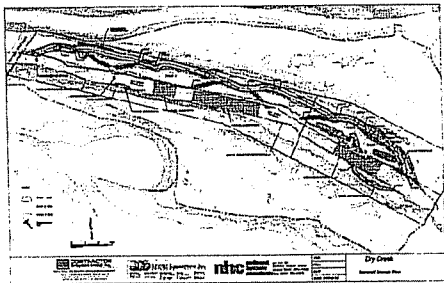


SF District & Lake Sonoma

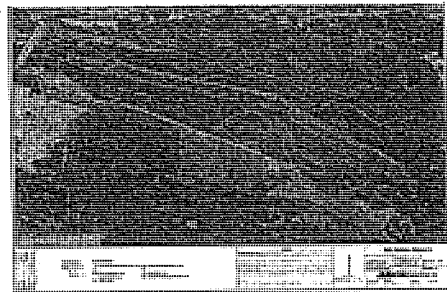
Activities in compliance with the Russian River biological opinion



Restoration concept drawing



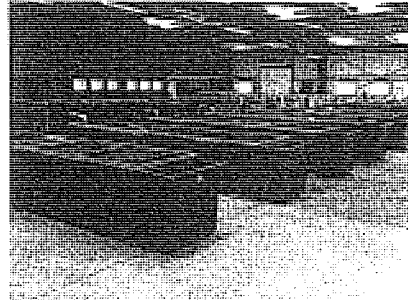
Vegetation Zones



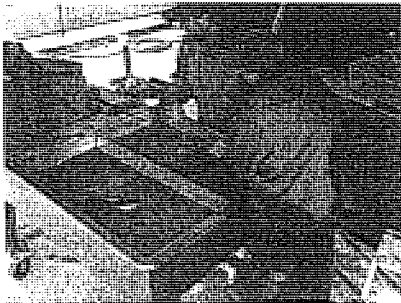
Interior



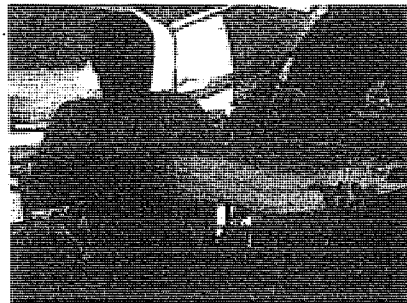
Start Tanks




Tagging operation




Brood stock



Russian River Biological Opinion Flow Changes



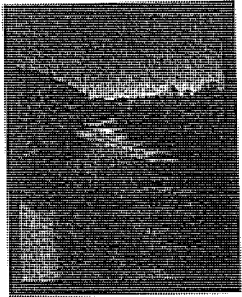

Pam Jeane
Assistant General
Manager - Operations



www.sonomacountywater.org

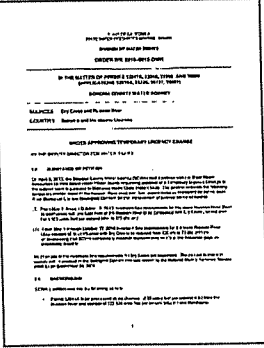

Biological Opinion Requirements

- The Water Agency must pursue **permanent** changes to D1610 minimum flow requirements.
- Beginning in 2010, the Water Agency must pursue **interim** relief from D1610 minimum flows.

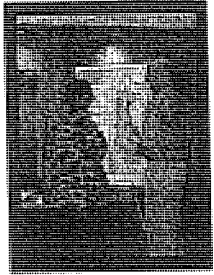

Progress to Date

- Filed Water Rights Petition in 2009
- Filed Temporary Change Petitions in 2010 and 2011
 - Received & Implemented Orders

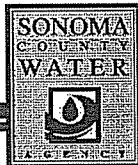
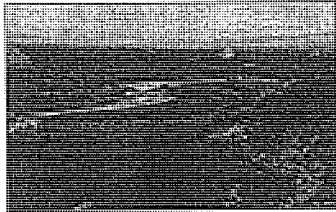
Progress to Date (continued)

- Notice of Preparation of EIR for Fish Habitat Flows and Water Rights Project - 2010
- Preparing Draft EIR
 - Developing Alternatives
 - Completing Studies
 - Performing Impact Analysis

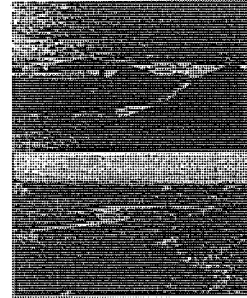
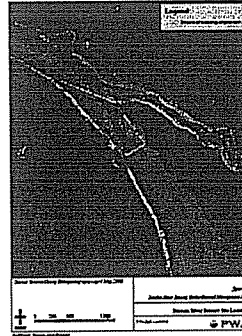
Russian River Estuary Management

Jessica Martini-Lamb
Principal Environmental Specialist
jesslam@scwa.ca.gov



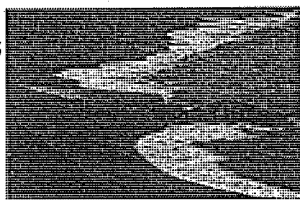
www.sonomacountywater.org

Estuary Management Changes



Year 3 Tasks Completed

- Adaptive management plan
- Beach topo
- CEQA and permits
- Jetty study plan
- Monitoring



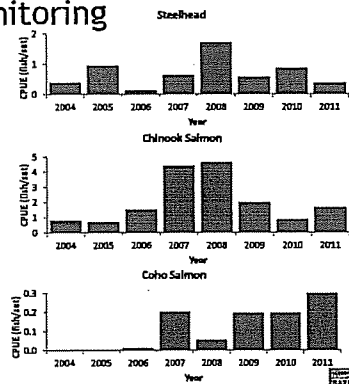
CEQA and Permits

- Draft EIR - December 2010
- Final EIR - August 2011
- Marine mammal IHA - April 2011
- Permits with federal & state agencies



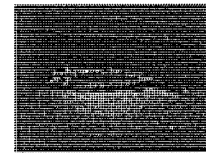
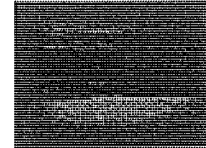
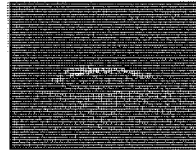
Fisheries Monitoring

- Trends



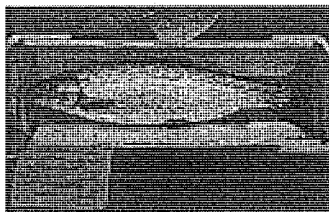
Fisheries Monitoring

- Trends
- Juvenile captures



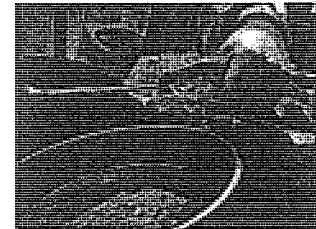
Fisheries Monitoring

- Trends
- Juvenile captures
- Recaptures



Invertebrates

- Response to change in Estuary condition
- Salmon prey
 - Distribution
 - Composition
 - Abundance



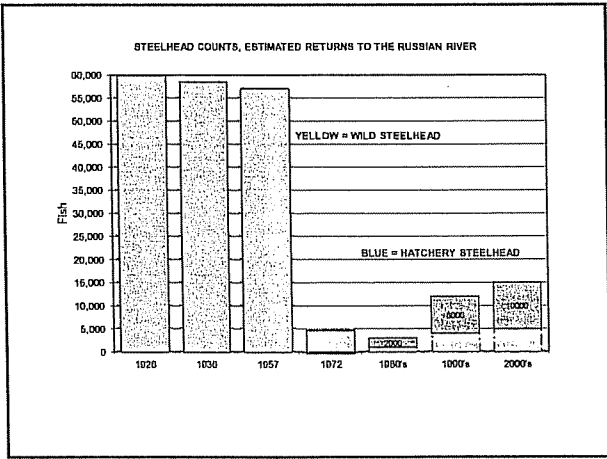
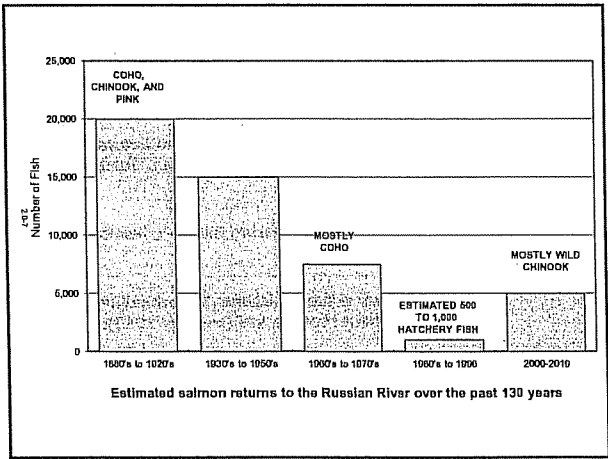
Implementing the

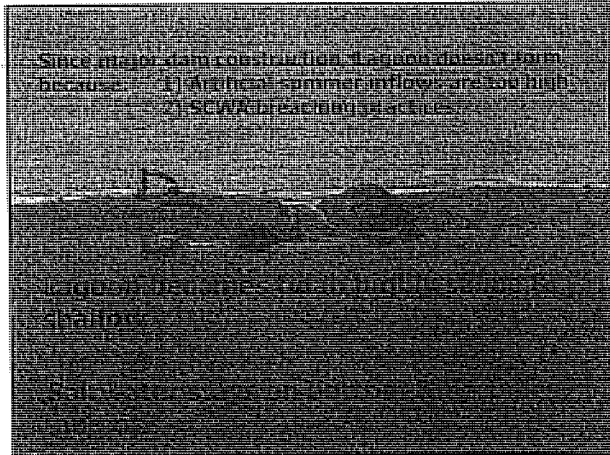
Biological Opinion for
Russian River Water Supply, Flood Control
Operations & Channel Maintenance

Progress 2011

National Marine Fisheries Service
February 9, 2012

- Purpose: minimize impacts of SCWA, MCRRFCD and ACOE related activities associated with water supply and flood control on Russian River and Dry Creek
- Operations at Warm Springs Dam (WSD) and Coyote Valley Dam (CVD)
 - Flood Control Operations & water supply releases from dams
 - Water level management of estuary at Jenner
 - Modifications to D1610 Russian River flows
 - Fish Hatchery Operations at WSD & CVD
 - Water Diversion operations by SCWA at Wohler-Mirabel
 - Ongoing Channel Maintenance by SCWA and MCRRFCD





Lagoon formation dependent on Natural Beach Formation

Two types of lagoons:

1. Totally closed= all outflow through beach
 - 2009: 31 day total closure, inflows 70-90 cfs
2. Perched=outflow through beach and surface flow

High surface flows can erode beach = failure.

Sometimes perched lagoons form despite high flows (observed Fall 2011)

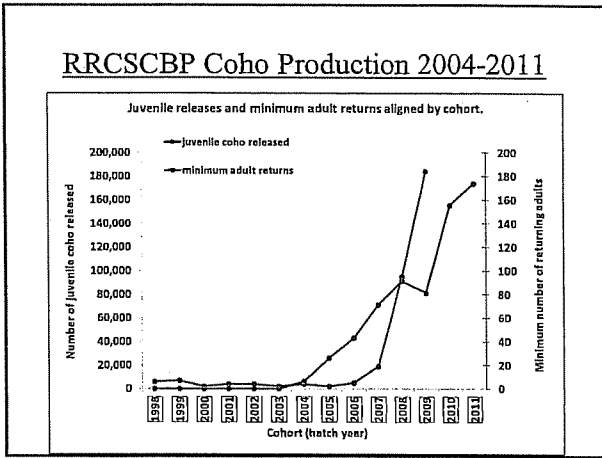
Lagoon Restoration

Two Prong Approach

- 1) Adaptively manage the beach to promote sustained perched lagoon
 - When beach naturally forms, create long outlet channel over beach
 - Natural beach formation did not occur during June-August
 - Jetty modification/removal may help
 - Chances for success improve with lower inflows
- 2) Reduce inflows by reducing reservoir releases
 - 2011 inflows to lower river were too high
 - Very wet spring- high tributary flow
 - Need reduced reservoir flow coming into Guerneville (e.g., 85-90 cfs)

Fisheries and other monitoring in 2011

- SCWA implementing fisheries, water quality, macroinvertebrate, and pinniped monitoring in estuary
- SCWA implementing ongoing fisheries monitoring at Mirabel Wohler
- SCWA monitoring fisheries in Dry Creek





Year Three Major Milestones

Russian River & Dry Creek Flows

Milestone: Within six months of the State Water Resources Control Board's (State Water Board) public notice of SCWA's petition to change Decision 1610, the Water Agency must begin the environmental process by issuing a Notice of Preparation.

- ✓ NOP was issued on September 29, 2010.
- ✓ Modeling of proposed flow changes and environmental analysis are ongoing, with the draft EIR expected to be released in fall 2012.

Milestone: Beginning in 2010, the Water Agency must petition the State Water Board for temporary changes in D1610 that will allow minimum flows to be reduced in the summer in the Russian River.

- ✓ Petitions were filed (and the State Water Board approved) Temporary Urgency Changes in 2010 and 2011.

Estuary Adaptive Management

Milestone: The Water Agency, in consultation with NMFS, California Department of Fish & Game (CDFG) and the U.S. Army Corps of Engineers (Corps), is required to annually prepare a barrier beach outlet design by April 1.

- ✓ The lagoon outlet channel adaptive management plan was finalized on May 11, 2012. It was prepared by Philips Williams & Associates (PWA) consultants.
- ✓ The Water Agency was prepared to implement the lagoon outlet channel but the mouth of the estuary didn't close during the management period (May 15-October 15).

Milestone: The Water Agency must conduct and record monthly surveys of the beach topography and the outlet channel. The Water Agency must also place a time lapse video camera to record the interaction of waves, tides and the river mouth.

- ✓ The Water Agency conducted monthly beach topography surveys. A video camera was installed in 2009.

Milestone: The Water Agency must continue its annual estuary water quality monitoring.

- ✓ The Water Agency installed 14 data sondes at 10 water quality stations in the estuary, which were calibrated every two weeks. In addition, the Water Agency is continuing to work with Bodega Marine Lab and PWA consultants on a circulation model and water quality monitoring for the estuary.

Milestone: Five habitat enhancement or fish passage projects must be built on Russian River tributaries before the end of Year 3.

- ✓ Three tributary projects have been completed and two are in progress: Grape Creek habitat enhancements were completed (as a hopeful sign of success, juvenile coho were found in the creek in 2011); Crane Creek pool enhancement and creation occurred in 2011 to give steelhead and coho greater access to spawning habitat; several plugged/collapsed culverts were replaced with a bridge on Willow Creek in 2011; modification of bridge culverts on Wallace Creek at Mill Creek Road and Grape Creek at West Dry Creek Road are in progress.

Milestone: Water Agency must initiate a feasibility study of a Dry Creek bypass pipeline during the fall of 2008, to be completed by the end of 2010.

- ✓ Pipeline consultants HDR Inc. completed a draft of the study in December 2010, but the final study wasn't released until comments were received from regulatory agencies and the Dry Creek community.

Warm Springs Dam

Milestone: The Water Agency must support the coho broodstock program, located at the Don Clausen Visitor's Center & Fish Hatchery.

- ✓ In 2012, the Water Agency provided a Natural Resources Program Assistant to work in the broodstock program.

Fish Monitoring in Russian River & Dry Creek

Milestone: The Water Agency is required to do the following fish monitoring: Annually operate rotary screwtraps at Mirabel and in lower Dry Creek to measure juvenile Chinook, coho and steelhead; implement field sampling efforts to capture fry at several Dry Creek locations; conduct annual juvenile steelhead and coho salmon rearing surveys pre- and post-habitat enhancement projects.

- ✓ In April 2011, the Water Agency installed and began operating a rotary screwtrap in Dry Creek, capturing 2,952 steelhead juveniles and smolts (a lifestage migrating to the ocean), 20,389 Chinook smolts and 199 coho juveniles and smolts (including 101 wild coho).
- ✓ On April 2011 the Water Agency began operating a pair rotary screw traps in the mainstem of the Russian River just downstream of an inflatable dam at Mirabel, near Forestville. Over the course of the 2011 trapping season, 680 steelhead juveniles and smolts, 897 coho juveniles and smolts, and 13,581 Chinook smolts were captured.
- ✓ Juvenile salmonid surveys were conducted in Dry Creek in late July and early October.

Mirabel Fish Screen and Wohler Ponds

Milestone: The Water Agency shall complete design of the new fish screen at Mirabel within three years of the issuance of this biological opinion.

Milestone: The Water Agency is required to conduct ongoing extensive surveys of estuary invertebrates.

Milestone: From late spring to early fall (when flows are below 300 cfs at Hacienda Bridge), the Water Agency must conduct monthly surveys of young steelhead in the estuary.

Milestone: Within nine months of completing the 2011 fish monitoring studies, the Water Agency must submit an annual report.

Milestone: By December 2012, the Water Agency must complete and submit to NMFS and CDFG a jetty study that evaluates alternatives including jetty removal and partial removal, jetty notching and potential use of the jetty as a tool for maintaining estuary surface water elevations.

Dry Creek

Milestone: The engineering design and permitting for the first mile of Dry Creek habitat enhancement must be completed by the end of 2012.

Fish Monitoring in Russian River & Dry Creek

Milestone: SCWA must annually operate rotary screwtraps at Mirabel and in lower Dry Creek to measure juvenile Chinook, coho and steelhead; conduct an annual juvenile steelhead and coho salmon rearing survey during Warm Springs Dam inspection periods, when water releases are lower.

Mirabel Fish Screen and Wohler Ponds

Milestone: SCWA shall complete design of the new fish screen at Mirabel within three years of the issuance of this biological opinion and construct the new fish screen within three years of completion of design.

13

MEMORANDUM

To: Board of Directors

February 17, 2012

From: Robert Clark Operations / Maintenance Superintendent

Subj: Students and Teachers Restoring a Watershed (STRAW) at Stafford Lake

\\nmwdsrv1\maintenance\maint sup\2012\bed\strwa 12-11.doc

RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None at this time

For the ninth year a STRAW Project was completed on the Stafford Lake Watershed. STRAW's restoration day at Stafford Lake in December 2011 addressed various features with high erosion potential that drain into the north east corner of the lake. The installation of rushes and grasses within the channel will help filter some of the sediments and pollutants while woody species placed at strategic locations will help develop and maintain channel sinuosity and provide additional habitat at the park. Participants included 24, 3rd grade students from Valley Vista Elementary in Petaluma, and 10 adult volunteers. (Note that staff has requested STRAW use Novato schools at projects funded by NMWD.)



Students and Volunteer



Site Map of Stafford Lake Park

Above the Double Culverts

The ballooned area to the left in the Site Map was cleared of sediment by Marin County Park Staff prior to the project. The objective was to revegetate with native species and control erosion while maintaining access for future sediment removal. (1.5lbs of fescue seeds, 1 bale of rice straw, 75 liners of rush and sedge and 2 large waddles were used).

- Around the spoils pile area, two straw wattles were installed to prevent run-off into the creek. The pile itself was seeded with the prescribed seed mix and covered with a thin layer of rice straw.
- Next to the channel, a mixture of rush and sedge plugs were installed.
- The remainder of the bare area was seeded and mulched with straw.



Spoils area above double culverts



Lower reach meandering grassy channel

Lower Reach to Sediment Basin

The four remaining ballooned areas in the Site Map are within a meandering grassy channel experiencing elevated erosion rates at the lower end. The objective for this section was to reduce sediment into Stafford Lake and increase habitat value by installing native shrubs and trees. (a combinations of 40 Willow poles, weavers and wattle whips, rice straw flakes, 50 rush liners, 36 one gallon of Coffey berry, ca rose and toyon, 4 five gallon trees of elderberry and boxelder were planted).

- At the upstream end, two densely packed rows of rushes were installed across the channel with plants installed in a double alternating row 3-inches on center.
- Just below the headcut, a small, one-foot tall willow wall was installed with a willow wattle secured to the upstream side.
- Clusters of shrubs were planted along both sides of the channel from the willow wall down to the sediment basin. Clusters were planted near the top of the bank, spaced roughly 10 feet apart for mowers to operate between clusters.
- In the area near the sediment basin berm, two elderberries and two box elders were planted.

14

DISBURSEMENTS - DATED FEBRUARY 8, 2012

Date Prepared: 2/7/12

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

Seq	Payable To	For	Amount
P/R*	Employees	Net Payroll PPE 1/31	\$120,073.68
EFT*	Bank of the West	Federal & FICA Taxes PPE 1/31/12	43,908.78
1	Aberegg, Michael	Drafting Services: Westamerica Bank (\$165) & Canyon Green Subdivision (\$440) (Balance Remaining on Contract \$12,385)	605.00
2	Advanced Reproduction Center	Plans/Specs - RW South Phase 1A (10 sets)	783.37
3	Allied Electronics	RTU Fuses (75)	107.49
4	American Family Life Ins	January Employee Contrib for Accident, Disability & Cancer Ins	3,492.94
5	Astarai, Dariush	Novato "Washer Rebate" Program	50.00
6	Athens Administrators	January Workers' Comp Admin Fee	1,000.00
7	Atherton Associates	Reimbursement Program - 2011 (Atherton Estates)	432.63
8	Bay Friendly Landscaping	Bay-Friendly Sponsorship of 2012 Garden Tour - 1 Additional Garden	575.00
9	Bentley, David L.	Exp Reimb: January Mileage	62.72
10	Bradfield, William	Novato "Cash for Grass" Program	245.00
11	Buck Institute for Age Research	Refund Excess Advance for Const Over Actual Job Cost (Buck Institute - Fire Service)	5,126.30
12	Building Supply Center	Concrete (3-80lb bags) & Hardware Supplies	17.82
13	Cabezaolias, Emilio	Novato "Washer Rebate" Program	50.00
14	State of California	State Tax & SDI PPE 1/31	8,558.46
15		Vision Reimbursement	20.60
16	Consolidated Electric District	Enclosures for New RTU's (3) (Budget \$2,500)	2,273.69


Seq	Payable To	For	Amount
17	CGC Properties	Reimbursement Program - 2011 (Cherryhill Pipeline - Phase 2 - \$1,087) & Cherryhill Pipeline Extension - \$3,027)	4,114.80
18	Christian, Daniel	Novato "Cash for Grass" Program	280.00
19	Cobblestone Homes	Reimbursement Program - 2011 (Tamalpais Hill Subdivision)	1,028.34
20	Cole-Parmer Instrument	Nitric Acid (\$42) (STP), Hose Clamps (100) & Submersible Pumps (2) (\$319)	394.42
21	Comer, Diana	Novato "Washer Rebate" Program	50.00
22	Cummings Trucking	Sand (65 yds)	2,746.21
23		Cafeteria Plan - Uninsured Medical (\$25) & Vision Reimbursement (\$125)	150.00
24	Downtown Novato Investors	Reimbursement Program - 2011 (Whole Foods)	338.14
25	Ewing, Maureen	Novato "Washer Rebate" Program	50.00
26	Fisher Scientific	Chloride (\$60) & Bromide Standard (Lab)	83.15
27	Fisher, Susan	Novato "Toilet Rebate" Program	225.00
28	Grainger	Knee Pads (2), Kneeling Pads (2) (\$88), Ball Type Retainers (2) (\$103), Air Hose (2) (\$51) & Air Hammer Kits (2) (\$187)	474.00
29	Groeniger	Hub Adapters (2) (\$472) & Tees (12) (\$518)	990.98
30	Hardy Diagnostics	Agar (\$85) & Pseudomonas Aeruginosa (\$71) (Lab)	156.71
31	Harrington Industrial Plastics	Tubing (100)	93.32
32	Inciardi, Steve	Novato "Washer Rebate" Program	50.00
33	Irish & Son's Welding	Weld 4" Off-Set Into Box & 24" Spools (Perry's Deli Fire Service-Pt Reyes)	420.00
34	Johannessen, Gerald	Novato "Smart Irrigation Controller" Program	200.00
35	Kaiser Foundation Health Plan	Pre-Employment Physicals: Crump (Water Conservation), Mackey (Lab), Greenwood (Lab) & Ergonomic Evaluations (6 Work Stations)	615.00

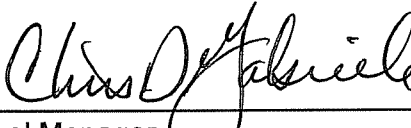
Seq	Payable To	For	Amount
36		Cafeteria Plan - Uninsured Medical Reimbursement	150.00
37	Kishi, Robert	Novato "Washer Rebate" Program	50.00
38	Lehman, Barbara & Joe	Reimbursement Program - 2011 (Lehman Land Division)	181.52
39	Maltby Electric	Mounting Nuts (20)	21.58
40		Cafeteria Plan - Uninsured Medical Reimbursement	143.38
41	Marin Landscape Materials	Concrete (5 yds) (RW Expansion North)	543.60
42	Marion Heights Development	Reimbursement Program - 2011 (Marion Heights)	654.58
43	McAghon, Andrew	January Sludge Removal (50 yds)	1,400.00
44	McLellan, WK	Misc Paving: Novato Area (686.25 S.F.)	4,719.45
45	Drew McIntyre	Exp Reimb: Mileage, Parking, Bridge Toll & BAWWA Dinner Meeting (August - January)	413.24
46	Miller Pacific Engineering	Geotechnical Services: So Novato Blvd @ Rowland (Balance Remaining on Contract \$12,721)	3,200.00
47	Nash, Little	Novato "Washer Rebate" Program	50.00
48	North Marin Auto Parts	Battery Cable (2) (\$74), Cable Ends for Concrete Saw (\$42), Rod for Holding Down Battery, Spark Plugs for Concrete Saw, Motor Oil (4 qts), Fuel Treatment (3-8oz bottles), Spray Paint (3 12oz), Oil Filters (5) (\$69), Air Filter (\$44), Adapters (2), Couplers (2), Wiper Blades, Fan Belt, Fuel Filters (2), Heater Hoses (16'), Grease Gun for STP (\$31), Portable Air Tank Gauge, Cleaning & Waxing Supplies (\$92), Air Hose Couplers (\$30), Reflector, Thread Cutting Oil & Lab Exhaust Fan Belt	645.07
49	Northern Safety	Signs: Danger-Compressed Gas & Danger-Flammable Gas (2 ea) (Lab)	41.50
50	Novato Community Partners	Reimbursement Program - 2011 (Pointe Marin Ph II & III)	1,098.64

Seq	Payable To	For	Amount
51	Office Depot	Pocket Files (2), CDs (100), Desk Top Trays (2), Envelopes (2,000) (\$53), Wall Clock, Fax Toner Cartridges (2) (\$167) & Binders (8) (\$60)	312.93
52	Pace Supply	Bolts (64) (\$193), Ell, Box Lids (5) (\$169), Couplings (9) (\$279), Tapping Sleeve (\$1,015), Valves (5) (\$2,076), Meter Stops (9) (\$1,617), Flanges (6) (\$77), Hyd Ext (\$128) & Reducer (\$64)	5,676.91
53	Pape Material Handling	Locking Lever for Loader Bucket	73.70
54	Parke, Eric	Refund Overpayment on Account	301.24
55	PERS Retirement System	Pension Contribution PPE 1/31	43,611.48
56	Pini Hardware	Hydrogen Peroxide (4), Light Bulb, Denatured Alcohol (1 qt), Caulking, Copper Tubing, Fitting for Pressure Reducing Feeding @ Deer Island Plant, Hose Coupling, Ground Fault Circuit Cover, Hardware Supplies, Landscape Supplies (\$25), Spray Paint (2 12oz), First Aide Kit, Boat Supplies (\$28) (STP), Hose Bibb, Extension Cord (25') (\$28) & Doorbell Battery	177.08
57	Pollard Water	Serrated Jaw for Meter Wrench (4) (\$50) & Pipe Locator	93.43
58	Rich Readimix Concrete	Concrete (Perry's Deli Fire Service - \$214 & Dam Apron Repair - \$1,634)	1,848.12
59	Schoepp Construction	Reimbursement Program - 2011 (Pointe Marin Ph II & III)	123.79
60	Shamrock	Curing Compound for Concrete	35.97
61	Shapiro, Jack	Reimbursement Program - 2011 (Channel Drive Water Main Extension)	137.01
62	Shea Homes	Reimbursement Program - 2011 (Pointe Marin - aka Rafael Village - Phase1)	53.69
63	Soderstrom, Susan	Novato "Washer Rebate" Program	50.00
64	Staples Business Advantage	Correction Tape (10), Color Copy Paper (2 rms), Clasp Envelopes (\$53), Pens (12), Ruled Pads (24), Classified Folders (20) (\$54) & Accordion Folders (25) (\$55)	262.40

Seq	Payable To	For	Amount
65	Stewart Title of California	Title Search @ CYO Property	600.00
66	Steward Property Svcs	Novato "Cash for Grass" Program	650.00
67	St James Napa Development	Reimbursement - 2011 (Somerston Park)	33.88
68	Talley Communications	Radio Antenna Cable (\$217) & Connectors	324.67
69	Tomales Bay Watershed Council	Contribution (Budget \$1,000)	1,000.00
70	United Parcel Service	Delivery Service: Sent Plans & Specs for RW So Phase 1A & Sent Sensor Back for Repair	61.25
71	Verizon Wireless	January CIMIS Station Data Transfer Fee (2)	19.12
72	Williams, Raynard L.	Novato "Washer Rebate" Program	50.00
73	Wintersun Chemical	Oxalic Acid (2,200 lbs) (Used to Clean Filter Media @ STP)	1,870.00
TOTAL DISBURSEMENTS			<u>1,870.00</u> <u>\$270,522.78</u>

The foregoing payroll and accounts payable vouchers totaling \$270,522.78 are hereby approved and authorized for payment.

 _____
Auditor-Controller Date 2/7/12

 _____
General Manager Date 2/7/2012

DISBURSEMENTS - DATED FEBRUARY 15, 2012

Date Prepared: 2/14/12

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
1*	Marin County Farm Bureau	Reg Fee: 89th Annual Meeting (DeGabriele & Petterle - 2)	\$165.00
2	Able Tire & Brake	Tire ('06 Hose Reel Trailer)	459.60
3	Ackerman, Gerald	Retiree Exp Reimb (Monthly Health Ins)	90.69
4	Advanced Reproduction Center	Plans/Specs - RW South Phase 1A (10 sets)	783.37
5	Andersen, Charles	Release Andersen Land Division Cash Bond	2,711.00
6	AT&T	Telephone Charges: Local (\$64) & Minimum (\$140)	203.86
7	Best Best & Krieger	Solar Power Project Resolution Re: SDG&E & PPA Revision (\$539 to be Reimbursed by SPG)	616.00
8	Bonnici, Gary	Refund of Deposit-New Development/Water Conservation Restriction	1,000.00
9	Bradbery, Ronald	Retiree Exp Reimb (Monthly Health Ins)	90.69
10	Buck's Saw Service	Saw Cutter & Pruning Shears Center Bolt	18.34
11	Building Supply Center	Hardware Supplies	24.82
12	Bundesen, Gerald	Retiree Exp Reimb (Monthly Health Ins)	779.57
13	Butti, Lou	Retiree Exp Reimb (Monthly Health Ins)	779.57
14	California State Disbursement	Wage Assignment Order (3)	1,478.50
15	Calpico	Brass Grounding Clamps (20)	190.97
16	Cook Paging	February Pager Rental (2)	14.70
17	HSBC Business Solutions	Film Developing, Coffee & Coffee Supplies	73.19
18	CSW/Stuber-Stroeh Engineering	Prog Pymt #10: Aqueduct Energy Efficiency Project (Balance Remaining on Contract \$127,467)	7,275.91

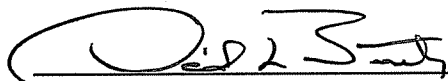
Seq	Payable To	For	Amount
19	Curry Discount	Toner Supply Order (5-Color & 17-Black)	1,098.29
20	Derby, Richard	Retiree Exp Reimb (Monthly Health Ins)	90.69
21	Diggs, James	Retiree Exp Reimb (Monthly Health Ins)	779.57
22		Cafeteria Plan - Uninsured Medical Reimbursement	91.00
23	Eyler, John	Retiree Exp Reimb (Monthly Health Ins)	90.69
24	Fearnot, Carol	Novato "Washer Rebate" Program	50.00
25	Ghilotti Construction	Refund Security Deposit on Hyd Meter Less Final Bill (2)	1,475.00
26	Gnat, Paul	Novato "Washer Rebate" Program	50.00
27	Golden Gate Petroleum	Diesel (\$3.89/gal) & Gasoline (\$3.64/gal)	5,162.69
28	Gorman, Alla	Novato "Toilet Rebate" Program	150.00
29	Groeniger	Vault Lids (2)	3,488.20
30	Hardy Diagnostics	Endo Broth (Lab)	82.48
31	Hargreaves, Michael	Facility Map Database Analysis	1,350.00
32	Hoffman, Mary	Novato "Toilet Rebate" Program	150.00
33	HydroScience Engineers	Prog Pymt #4: Recycled Water On-Site Retrofits - Task 1 (Balance Remaining on Contract \$54,605)	43,368.00
34	InfoSend	January Processing Fee for Water Bills (\$1,590) & Postage \$3,956)	5,546.00
35	Interstate Battery	Battery ('03 Chevy 1/2 ton P/U)	137.65
36	Johnstone, Daniel	Retiree Exp Reimb (Monthly Health Ins)	90.69
37	Journey Ford/Lincoln	Repair Right Front Brake ('10 F150)	135.00
38	Kelly-Moore Paint	Paint	31.78
39		Cafeteria Plan - Uninsured Medical Reimbursement	239.95
40	Lehman, Barbara & Joe	Release Paving Retention-Completed (Lehman Land Division)	500.00

Seq	Payable To	For	Amount
41	Lenci, Julian	Novato "Washer Rebate" Program	50.00
42	Lewetzow, Jack	Novato "Washer Rebate" Program	50.00
43	Lincoln Life	Deferred Compensation PPE 2/15	9,623.33
44		Cafeteria Plan - Uninsured Medical Reimbursement	187.89
45	Marin Reprographics	Laser Bond Paper (2-36" x 500') (Eng)	78.12
46	Maselli & Sons	Parts to Repair STP Sludge Line (\$147) & Parts for Lab Fan Exhaust Duct	186.65
47	Matchette, Tim	Retiree Exp Reimb (Monthly Health Ins)	230.18
48		Cafeteria Plan - Uninsured Medical Reimbursement	602.00
49	National Deferred	Deferred Compensation PPE 2/15	1,025.00
50	Nave Motors	Repair Collision Damage on Passenger Side of Cab/Door (\$4,340) & Tailgate Repair (\$1,252) ('10 F150) (\$5,522 Covered by Insurance Claim)	5,592.94
51	Nelson, John O.	Retiree Exp Reimb (Monthly Health Ins)	90.69
52	North Bay Gas	January Cylinder Rental	307.50
53	North Marin Water District	NMWD Employee Assoc Dues - December & January	1,880.00
54	Novato Builders Supply	Lumber (\$43), Deck Screws, Wire Ties (7) (\$48), Pliers (\$36), Stainless Steel Rods for Anchoring Wire on Dam Face (\$3,689), Caulk Gun & Adhesive (12 29oz cans) (\$117)	3,974.26
55	O'Rourke, John	Novato "Washer Rebate" Program	50.00

Seq	Payable To	For	Amount
56	Pace Supply	Tracer Wire (4) (\$68), Double Detection Fire Check Assy (\$1,345), Hose Bibbs (15) (\$95), Gaskets (46) (\$91), Valve (\$459), Adapter (\$74), Box Lids (19) (\$975), Caps (3), Nipples (44) (\$254), Meter Spuds (27) (\$182), Brass Unions (3) (\$102), Ells (25), Meter Boxes (48) (\$1,614), Flanges (14), Couplings (69) (\$4,304), Tee, Butterfly Valve (\$1,052), Gate Valve, Bolts (96) (\$961), Nuts (160), Service Saddles (22) (\$2,858), 2" Copper Pipe (260') (\$3,639), Corp Stops (20), Meter Stops (2) (\$353), Marker Tape (\$3,602) & Tracer Marker Boxes (25)	23,683.16
57	Perry, Chris	Novato "Washer Rebate" Program	50.00
58	PG&E	Power: Bldgs/Yard (\$2,780), Rectifier/Controls (\$372), Pumping (\$15,847), Treatment (\$8,651) & Other (\$98)	27,747.80
59	Phillips & Associates	February O&M of O.M. Wastewater Treatment System	5,101.24
60	Poiani, Pete	Retiree Exp Reimb (Monthly Health Ins)	90.69
61	Pratt, Jeffrey	Refund Excess Advance for Const Over Actual Job Cost (15 Wildwood Ln-Kill & Relocate)	878.54
62	Prbo/Conservation Science	Watershed Erosion Control Project @ Stafford Lake (STRAW) (Budget \$9,000)	9,000.00
63	Protection Engineering	Polyguard Tap (48 rolls)	1,581.15
64	Roberts & Brune	Ells (2)	643.08
65	Sacramento Flow Control	Repair Parts for Backflow Devices @ STP	95.36
66	Scott's Office Equipment	Quarterly Maintenance Agreement on Engineering Copier (10/16/11 - 1/15/12)	553.14
67	Shirrell Consulting Services	February Dental Ins Adm Fee	305.10
68	Shirrell Consulting Services	January Dental Expense	5,890.60
69	Siemens Water Technologies	Service on Lab Deionized Water System	593.96
70	Smail, Catherine	Retiree Exp Reimb (Monthly Health Ins)	90.69
71	Soiland	Fee for Asphalt Recycling (14.83 tons)	20.00

Seq	Payable To	For	Amount
72	Sonosky, Norma	Retiree Exp Reimb (Monthly Health Ins)	90.69
73		Cafeteria Plan - Uninsured Medical Reimbursement	62.10
74	UNUM Life Insurance	February Group Life Ins Premium	669.46
75	Van Bebber Bros	Welding Band (10") (4)	225.64
76	Velloza, Richard	Retiree Exp Reimb (Monthly Health Ins)	90.69
77	Verizon California	Telephone Charges: Leased Lines (\$914) & Minimum (\$39)	952.43
78	VWR International	Inoculating Test Tubes (2) (Lab)	244.08
79	Weng, Ching	Novato "Washer Rebate" Program	50.00
		TOTAL DISBURSEMENTS	<u>\$183,551.62</u>

The foregoing payroll and accounts payable vouchers totaling \$183,551.62 are hereby approved and authorized for payment.



Auditor-Controller

2/14/12

Date



General Manager

2/14/2012

Date

BOD MISS

Adaptation Strategies and Information Needs in Response to Extreme Events

A series of workshops focusing on water resources, led by the National Oceanographic and Atmospheric Administration (NOAA), US Environmental Protection Agency (US EPA), Water Environment Research Foundation (WERF), and Water Research Foundation (Water RF).



NOAA ♦ EPA ♦ WERF ♦ WaterRF

NOTE: BOLDDED NAMES NOW MEANS THAT THEY HAVE NOT BEEN CONFIRMED

Adaptation Strategies and Information Needs in Response to Extreme Events:
A Series of Workshops Focusing on Water Resources
Russian River Case Study

DRAFT Agenda - February 10, 2012
March 13 -14, 2012

TUESDAY, MARCH 13, 2012

- 8:00 – 8:30 Coffee
- 8:30 – 8:45 Welcome
Facilitator and/or Planning Committee Representative
- 8:45 – 9:00 Importance of Workshop
Jake MacKenzie, Vice Mayor, City of Rohnert Park and Chair of the Sonoma County Regional Climate Protection Authority
- 9:00 – 9:30 Russian River Watershed: Past, Current and Future Climatology and Hydrology
Mike Anderson, California State Climatologist and California State Department of Water Resources (CA DWR)
- 9:30 – 10:15 Challenges and Partnerships:
 - Water Management - *Jay Jasperse, Sonoma County Water Agency (SCWA)*
 - *Ecosystem Services - Lisa Micheli, Pepperword Foundation*
- 10:15 – 10:30 Break
- 10:30 – 11:15 Mitigating Impacts of Extreme Events in the Russian River Watershed: Examples of Activities Aimed at Improved Resource Management (Part 1 of 2 sessions)
 - Robin Webb, U.S. National Oceanic and Atmospheric Administration (NOAA), Session Chair*
 - National Integrated Drought Information System (NIDIS) and USGS flood study and future climate modelling – *Lorrie Flint, U.S. Geological Survey (USGS)*
 - CA Dept of Water including Community Collaborative Rain, Hail and Snow Network (CoCoRaHS) – *Mike Anderson, (CA DWR)*

- Integrated Water Resources Science and Services (IWRSS) and Hydrometeorological Testbed (HMT) Project – Lynn Johnson and Allen White, NOAA (invited)

11:15 – 11:30 Questions and Answers

11:30 – 12:15 Mitigating Impacts of Extreme Events in the Russian River Watershed: Examples of Activities Aimed at Improved Resource Management (Part 2 of 2 sessions)
Robin Webb, NOAA, Session Chair

- Open space and agriculture preservation – Karen Gaffney, Sonoma County Agricultural Preservation & Open Space District
- Sonoma County Water Agency programs – Jay Jasperse, SCWA
- Coho Recovery Program – Dick Butler, NMFS
- North Bay Climate Adaptation Initiative – Lisa Micheli, Pepperword Foundation

12:15 – 12:30 Questions and Answers

12:30 - 1:30 Lunch and Keynote Presentation:
Assembly Member Jared Huffman, Chair of the California Assembly's Water, Parks and Wildlife Committee (invited)

1:30 - 3:15 Evolution of Response to Extreme Events Panel
Jay Jasperse, SCWA, Session Chair

Panelists:

- Mike Dillabough, U.S. Army Corps of Engineers, Manager of operations for Lakes Sonoma and Mendocino
- Nick Frey, Sonoma County Winegrape Commission
- Pam Jeane, Sonoma County Water Agency
- Sean White, Mendocino County Flood Control District, City of Santa Rosa - Laguna Sub-Regional Treatment Plant

Questions to be addressed:

- What are the series of events that shifted your approach to planning for an extreme event?
- When and where did the shifts occur?
- What was the sequence of change?
- How does one adjust one's operation/plan?
- How do we begin to think differently and use new knowledge?
- What was the sequence of change?
- How were partnerships formed? How were roles identified?

- 3:15 – 3:30 Questions and Answers
- 3:30 – 3:45 Break
- 3:45 – 5:00 Previous Experience: Breakout Sessions
- Do you have any additional experience or inputs to add to the panel discussion of the previous session?
 - How were response partnerships formed and how did they function?
 - Given what we have learned how do you plan for an extreme event?
 - What lessons have you learned that would be of use to other geographic areas and/or sectors?

WEDNESDAY, MARCH 14, 2012

- 8:00 – 8:30 Coffee
- 8:30 – 9:00 Breakout Session Summaries
- 9:00 – 10:30 The Future: Breakout Sessions
- What plans does your organization have for responding to future extreme events?
 - What are your gaps in knowledge, institutions, and/or data systems?
 - What are your barriers for progress?
 - What are public, political, other concerns/pressures to plan (or not plan) for an extreme event?
 - What are your frustrations?
 - What are the institutional changes that may be needed to respond to future extreme events?
- 10:30 – 10:45 Break
- 10:45 – 11:45 Rapporteurs' Panel: Report Back and Concluding Session
- What needs to be done regarding outreach, education, and communication to prepare better for extreme events?
 - How does planning for an extreme event differ (or is the same) from planning for a changing climate? How is it the same?
 - How can the Federal government and the water NGOs help?
 - How can we complement each other?
- 12:00 – 1:00 Lunch – with Keynote Presentation: “Storms, floods and atmospheric rivers--Putting the extreme into California extreme” *Mike Dettinger, USGS and California Regional Integrated Sciences and Assessment (RISA)*
- 1:00 – 5:00 NIDIS California Pilot Drought Early Warning Information System Scoping meeting for a North Bay Counties and Russian River Valley

pilot activity

Marin Municipal Water District chief Helliker resigns, but will stay on to ease transition

By Mark Prado
Marin Independent Journal

Posted: 02/16/2012 10:43:19 AM PST

Marin Municipal Water District General Manager Paul Helliker announced Thursday he will step down from his position effective March 1, although the district will keep him on board through most of the rest of this year.

The Board of Directors was scheduled to receive Helliker's formal announcement at its Thursday night board meeting.

Officials, noting that the water district has lost several senior staffers recently, said they want to keep Helliker around as long as possible. The district will pay him a total of \$186,924 from March 1 to Dec. 11 as an executive adviser and then independent contractor. Helliker's annual salary has been \$189,000 a year.

"Paul has expertise and is of immense value to the district," said Cynthia Koehler, water board president. "He is intimately familiar with the district in ways that others aren't. It will take time to replace someone like him. It's important for the district to keep him on."

Tom Cronin, MMWD's facilities and watershed division manager, will serve as the district's acting general manager until a replacement for Helliker is found.

In his new role, Helliker will provide ongoing

support to Cronin to assist in the transition from March 2 until June 11. During that time he will be considered an executive adviser and "will be ... drawing down his vacation leave and holiday pay," according to an agreement set for board approval Thursday night.

Starting June 12, Helliker will serve

for six months as an independent contractor to MMWD to provide more transition support — possibly to a new general manager. He will earn \$19,132 a month.

"It's just time," Helliker, 54, said on why he is leaving his post. "There are other options out there, but I haven't settled on anything."

Helliker joined MMWD as general manager in 2004. Under his tenure, the district completed its largest-scale water conservation master plan, established a "friends" group to support the Mount Tamalpais watershed and completed the Lagunitas Creek restoration plan, an intensive 10-year effort to improve Lagunitas Creek for the benefit of coho salmon and



steelhead trout.

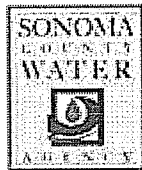
Helliker also had received criticism for pushing forward a desalination plan and for developing plans to increase water rates in each of the past six years.

"Marin needs to be prepared," Helliker said, referencing desalination. "Look at this year's rains, or lack thereof. The district has to have a multiple range of options."

Contact Mark Prado via email at mprado@marinij.com



1207 MISC

Chris DeGabriele**From:** Brad Sherwood [Brad.Sherwood@scwa.ca.gov]**Sent:** Thursday, February 09, 2012 5:49 PM**Subject:** Sonoma County Water Agency press release: Additional Federal Funding Secured for Russian River Biological Opinion Projects

Sonoma County Water Agency PRESS RELEASE

For Immediate Release

February 9, 2012

CONTACTS:

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Additional Federal Funding Secured for Russian River Biological Opinion Projects

(Santa Rosa, CA) –The U.S. Army Corps of Engineers (USACE) announced on February 8 that approximately \$3.2 million of additional federal funds have been secured to help complete projects required by the Russian River Biological Opinion including habitat restoration in Dry Creek and Russian River Coho Salmon Captive Broodstock Program improvements. In finalizing its appropriations bill for the USACE in December, Congress included additional funding for ongoing work that either was not included in the Administration budget request or was inadequately budgeted. Decisions as to which project would be funded were left to the USACE and the Administration.

“This additional funding is a big boost to the U.S. Army Corps of Engineers’ Dry Creek habitat restoration pilot project located on federal lands just downstream of Warm Springs Dam,” said Water Agency Director Mike McGuire. “While there is much more work to be done, these additional dollars are an exciting development and we are grateful for the collaboration demonstrated by the U.S. Army Corps

of Engineers.”

“The Water Agency is pleased to see additional funding has been secured to help the U.S. Army Corps of Engineers meet requirements set forth in the Russian River Biological Opinion. This is proof that collaboration between local and federal partners can reap rewards,” said Sonoma County Water Agency Chair Shirlee Zane. “Our team of local elected officials including Congressman Mike Thompson, Congresswoman Lynn Woolsey, and U.S. Senators Boxer and Feinstein has worked diligently to ensure all efforts are made to implement the biological opinion and protect our water resources and environment.”

“This funding is crucial as we continue working to restore habitat, and protect coho and steelhead salmon,” said Congressman Mike Thompson. “Not only is protecting steelhead and coho salmon good for our local economy by providing more commercial and recreational opportunities, it is part of our responsibility to our kids and grandkids. We need to make sure future generations have the opportunity to enjoy these natural resources.”

“These federal investments are important to our community’s economy and its environment – restoring key habitat for critically endangered or threatened fish species and protecting the local jobs that depend on a healthy and functioning ecosystem,” said Congresswoman Lynn Woolsey. “I am grateful for our local-federal partnership and pleased that the Administration and the Army Corps of Engineers share a vision for the future of our region.”

Water Agency Director Efren Carrillo added, “The U.S. Army Corps of Engineers has demonstrated its serious intentions to work with the Water Agency and our wholesale water customers to implement the biological opinion. We appreciate their continued support and look forward to achieving more funding milestones in the near future.”

In 2008 the National Marine Fisheries Service (NMFS) issued the Russian River Biological Opinion to the Sonoma County Water Agency (Water Agency) and USACE – both partners for the Russian River Project including Lakes Sonoma and Mendocino. A biological opinion is a determination made by a federal agency—in this case NMFS—to help restore and protect threatened or endangered species. NMFS found that Warm Springs and Coyote Valley Dams and related water supply activities are likely to jeopardize the continued existence of coho salmon and steelhead and adversely modify their critical habitats. The biological opinion has milestones that require timely project implementation by the Water Agency and USACE over a 15-year period at a total cost of approximately \$150 million. The additional federal funding will help the USACE meet some of their milestones.

U.S. Army Corps of Engineers Work Plan Funding details:

Coyote Valley Dam (Lake Mendocino): An increase of \$963,270, for a total for FY ‘12 of \$4,538,270

Warm Springs Dam (Lake Sonoma): An increase of \$2,254,230, for a total for FY ‘12 of \$7,767,230.

Learn more about the Russian River Biological Opinion by visiting www.sonomacountywater.org.

###

The Sonoma County Water Agency is working to secure our future by investing in our water resources, community and environment. The Water Agency provides water supply, flood protection and sanitation services for portions of Sonoma and Marin counties. Visit us on the Web at www.sonomacountywater.org.

Thank you,
 Brad Sherwood
 Public Affairs
 Sonoma County Water Agency
 Phone: 707.547.1927
 Fax: 707.528.2080
 404 Aviation Blvd.

2/10/2012

George Grossi commended by county

has been created by generations of extraordinary people since the 1800s. But it was certainly the seminal event for contemporary Bolinas. After the spill, young people poured in to help townspeople rescue oil covered birds and protect Bolinas Lagoon and the beaches. Many of the "hippies" who stayed changed the trajectory of the town. Educated and engaged, these young people, along with some older residents, led the community to instigate long-term systems to preserve environmental resources and our small town lifestyle. That surge of activism, accompanied by a legendary blossoming of the arts, certainly set the tone of our town's culture as we know it today.

Though forty-one years have passed since that spill, the potential for a similar incident has not lessened. So, thank you again for featuring the oil-spill photograph. Hopefully it reminds us to be proactive in protecting our environment. And also, of what we can accomplish when we hold a vision of how our actions benefit the future.

*Elia Haworth
Bolinas*

**DEAR READER,
THANK OUR
ADVERTISERS FOR
SUPPORTING THE
WEST MARIN
CITIZEN.**

The Board of Supervisors Tuesday unanimously approved the following Resolution honoring rancher George Grossi, of George Grossi and Son Dairy in Novato. In asking other Supervisors to join his vote, Supervisor Steve Kinsey wrote that Grossi "has been a model to generations of ranchers, [and] is also being celebrated for his outstanding leadership on the diverse issues which have faced agriculture over the last half-century. Additionally George has served on an amazing number of ag support organizations and is well deserving of our commendation."

The Grossi ranch has been a dairy since the 1940s. About 25 years ago, according to the ranch website, George Grossi and his father diversified into raising beef, as well. Grossi Natural Beef is run by fourth generation rancher Dominic Grossi, who is George's son and the president of the Marin County Farm Bureau. *-Lynn Axelrod*

COMMENDING GEORGE GROSSI 2012 MARIN COUNTY FARM BUREAU

LIFETIME ACHIEVEMENT AWARD RECIPIENT

WHEREAS, George Grossi has been an exemplary dairy rancher for his entire working life, running an outstanding operation and serving as a model to all agricultural producers in Marin and California; and

WHEREAS, Mr. Grossi has been recognized as an invaluable leader in the agricultural community and is known for being a consensus builder who can blend the values of traditional agriculture with innovative approaches; and

WHEREAS, Mr. Grossi's enduring leadership has been appreciated in many arenas, most notably his outstanding service with numerous agricultural organizations including the following:

- Member of the Marin County Farm Bureau since 1971
- Marin County Farm Bureau President from 1984-1986
- State Delegate for the Marin County Farm Bureau
- Chairman of the Marin County Farm Bureau Land Use Committee
- President of the North Bay Dairy Herd Improvement Association for 10 years

- Chairman of the Petaluma Wildlife Museum for 18 years

- Chairman of the Petaluma Agricultural Advisory Committee

- Board Member of the Marin Agricultural Land Trust

- Member of the Board of Directors for Dairyman's Milling Cooperative

- Member of the Marin County Agricultural Advisory Committee for nearly 20 years

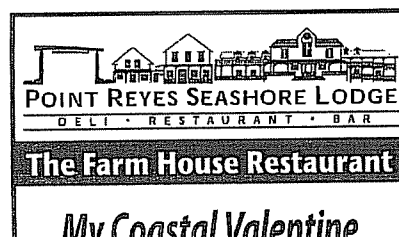
WHEREAS, Mr. Grossi has worked hard to foster the next generation in agriculture, as is demonstrated by his 15 years of service with the 4-H replacement heifer committee; and

WHEREAS, other professionals in agriculture have recognized Mr. Grossi's leadership as being particularly important in helping the agricultural community respond to new environmental issues and in fostering collaboration between producers and environmentalists on diverse issues such as water quality standards and agricultural zoning; and

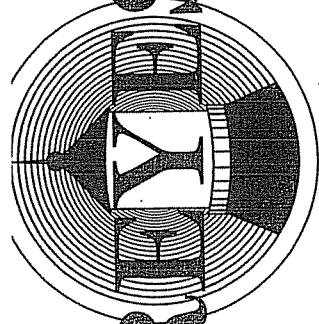
WHEREAS, Mr. Grossi's service to the County has included facilitating a County ordinance providing the "right to farm"; providing knowledge to County staff on Williamson Act implementation; providing important and detailed insights on proposed land and farm development; and steering the future of agriculture in Marin by serving on hiring committees for the Marin County Agricultural Commissioner and Farm Advisor, including having advocated for the first woman Farm Advisor in Marin.

NOW, THEREFORE, BE IT RESOLVED that the Marin County Board of Supervisors commends George Grossi for over 40 years of continuous leadership in the Marin County Farm Bureau and conveys its great appreciation for his outstanding service to the agricultural community and the people and government of Marin County.

PASSED AND ADOPTED at a regular meeting of the Board of Supervisors of the County of Marin held this 7th day of February 2012.



West Marin's Pulitzer Prize-Winning



POINT REYES LIGHT

Volume LXIV No. 51 / Point Reyes Station, CA

20 MARIN WATER DIST. FEB 17 2012
PO BOX 146
NOVATO CA 94948-0146

North Marin Water District

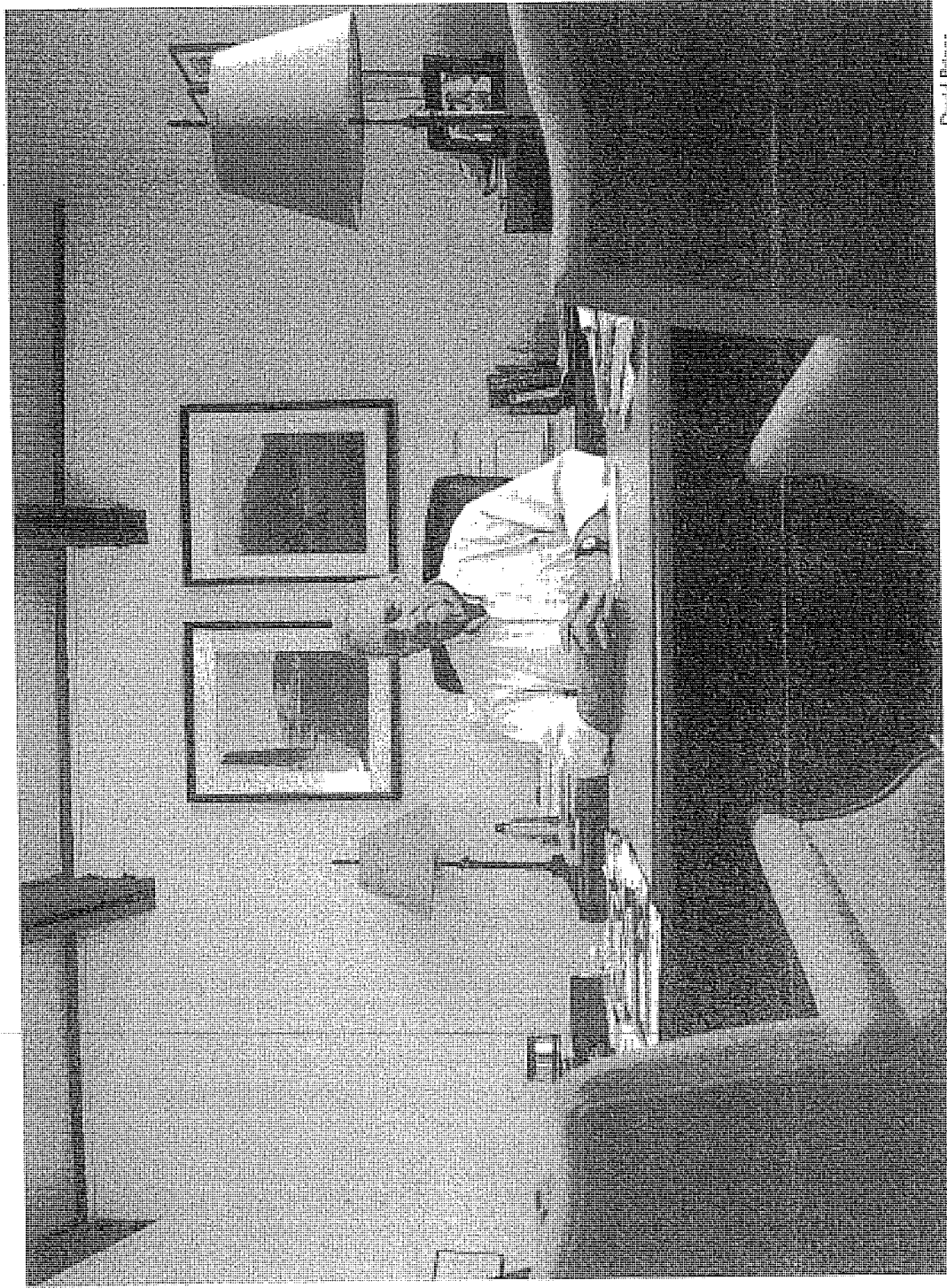
February 16, 2012

MALT head to retire after 28 years

While Bob Berner was finishing an MBA program at the Wharton School in 1971, he started thinking about his future. Conservation never crossed his mind.

"I was looking for a job and most of my classmates were interviewing banks and large corporations and that wasn't of much interest to me. I just happened to answer an ad in the Wall Street Journal and it was the Nature Conservancy. I had never heard of the Nature Conservancy," Berner said.

The new job was eye opening. Berner, then in his late 20s, decided he wanted to make his career in conservation, eventually relocating from the East Coast to San Francisco to work for an architectural heritage organization. When he decided he wanted to focus on land conservation, Berner again responded to an ad in the paper, this time for a young nonprofit called the Marin Agriculture Land Trust (MALT). Last week Berner announced his retirement after nearly 28 years as the organization's executive



David Briggs

PEOPLE: Bob Berner presided over Marin Agricultural Land Trust for nearly three decades, turning it into one of the nation's most successful farmland preservation organizations. This week he announced that he will retire at the end of the year.

Please turn to page 6

MALT head

continued from page 1

director.

"It was a job," Berner said of his initial interest in the position at MALT. "It looked really interesting—one thing led to another. You just never know. Life never is a straight line."

Maybe not, but under Berner MALT's ascension has been remarkably linear. When he began working for the trust, he was the only staff member and the group controlled two property easements. Now the organization employs 15 staff members and protects over 44,000 acres on 68 local farms and ranches. It's considered one of the most successful farmland conservation organizations in the country, with a budget of more than \$1.5 million plus another \$3 to \$5 million per year for acquisitions.

board in 1985, was on the committee that hired Berner in 1984. "I'm very proud of that hire," Grossi said. "He's done just a terrific job over the years and at a time where we didn't know where MALT was going. We had a vision and a lot of hope—we needed a person that could literally take it and run with it, and Bob certainly did."

MALT was created in 1980 by a coalition of ranchers and environmentalists intent on preserving local agricultural land and fearful that zoning laws wouldn't go far enough. By liquidating part of a rancher or farmer's land—typically at about 40 percent of market value—without actually selling it, MALT is able to provide a financially viable conservation option for ranchers or farmers who wish to maintain the agricultural use of their property but may otherwise be squeezed out by a lack of capital or soaring property values.

But an agricultural preservation organization is nothing, of course, without widespread respect from the community it serves. "He really did a terrific job of winning over the farm community," Grossi said of Berner. "Without the support of the farming community, MALT goes nowhere. Instead we have a great success story."

Berner himself says the community's respect for MALT was cemented in large part by a 1985 easement with the area's prominent Lafranchi family. "They were a very well established family, highly respected, and I think that the transaction sort of helped to gain the confidence of

many other people in the agricultural community. I would say that was an important step," Berner said.

Another important step was the passing of California Proposition 70, or the Wildlife, Coastal, and Park Land Conservation Act of 1988. The decree, Berner says, designated \$15 million for farmland conservation in Marin County, providing funds for MALT that would ultimately extend into the late 1990s, when the organization moved toward an alternative funding model.

Yet despite MALT's success, Berner says fundraising has always been a challenge: "There are cycles to this, and the sources change over time. We've simply tried to adapt and make sure that we can access funding to support our projects, but we always have more to do than we can fund. We're always challenged to raise enough money to do everything that is on the table."

Before he began working for MALT, Berner had never heard of the organization. "I would come out to Point Reyes at least once or twice a month and drive through this [countryside]," he said. "I never knew what it was. You'd always see cows in the hills and it was always open and gorgeous. If you ride a bicycle out here, if you just drive out here—people love this area, people work here, people live here and people visit here partly because of this agricultural landscape."

Thanks to Berner, it's a landscape that appears to be sticking around for a while. — Trevor Bach

THIRTY YEARS AGO IN THE LIGHT:

"Inverness made it through the weekend's storm with no apparent damage—other than a few minor slides on Sir Francis Drake Boulevard—and IPUD's water system remained intact Tuesday afternoon. "We're not aware of any problems this weekend, we're using North Marin's water, but other than that, we're OK," Inverness Public Utility District director Wade Holland said. Farther south, Phil Buchanan, general manager of the Bolinas Community Public Utilities District, was out in the field Tuesday afternoon, trying to assess any damage to BCPUD's precarious water system, badly damaged by the Jan. 4 flood." — February 18, 1982

BOD MISC

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Valerie Brown endorses Mark Bramfitt in supervisorial race

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THE PRESS DEMOCRAT

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Valerie Brown, the retiring Sonoma County Board of Supervisors veteran, has thrown her support behind Mark Bramfitt in the race to claim her 1st District supervisorial seat.

The 1st District takes in Sonoma Valley, including the city of Sonoma, and parts of eastern Santa Rosa. The race has attracted five candidates, two of whom are Santa Rosa city councilmembers.

Brown said Bramfitt, an energy consultant and Valley of the Moon Water District board member, has the best combination of leadership and public policy experience in the Sonoma Valley among the five candidates.

The endorsement was announced in a written statement released by Bramfitt's campaign on Sunday.

"He's smart and capable and he knows the county well and knows the 1st District well," Brown said Monday morning in a brief phone interview.

Brown cited Bramfitt's years of service on the Sonoma Valley Citizens Advisory Commission, his role as chairman of the Sonoma Valley Groundwater Basin Advisory Panel and service on the Valley of the Moon water board.

She said the posts gave him valuable perspective on business, environmental and public utility issues.

"I'm thrilled that Mark is in the race and that I can support him," Brown said in the interview.

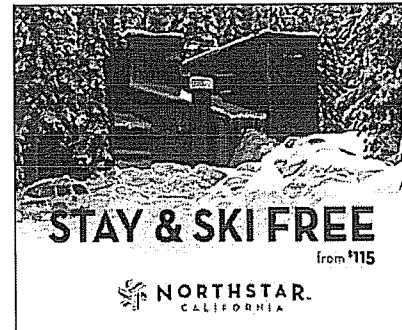
The endorsement adds further fuel to the district's geopolitical divide, expected to be a major factor in the race this year.

The 1st District seat has long been held by a Sonoma Valley resident. But growth and redistricting has shifted a majority of the population base to eastern and northeastern Santa Rosa and its outskirts, including Oakmont, Bennett and Rincon valleys and the Fountaingrove area.

Three candidates in the field hail from those areas, including two likely frontrunners, Santa Rosa councilmembers Susan Gorin and John Sawyer. Both bring years of political experience, name recognition, fundraising capability and a list of high-profile endorsements to the race.

Brown, who lives in the unincorporated area just south of Kenwood, said her endorsement of Bramfitt was partly a recognition of that stiff competition and the risk that the 1st District seat could shift to a Santa Rosa-based supervisor.

Already, two members of the Board of Supervisors — Chairwoman Shirlee Zane and Efrén Carrillo — live in Santa Rosa, Brown said. Residents of eastern Santa Rosa also have City Hall to turn to for their concerns, she said.



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"To take care of many of their needs, most Sonoma Valley residents rely primarily on the Board of Supervisors and that's why I am supporting Sonoma Valley resident Mark Bramfitt," Brown said in the written statement.

The only current multi-term supervisor, Brown, 66, is a former Sonoma mayor and state assemblywoman. She was appointed to the Board of Supervisors in August 2002 by Gov. Gray Davis. She filled the seat vacated by 1st District Supervisor Mike Cale, who stepped down for health reasons. She was elected the following November to fill the remainder of the term and won re-election in 2004 and 2008. She announced in August that she would not run again.

Bramfitt welcomed her endorsement.

"I am humbled and honored to have the support from Supervisor Valerie Brown," he said in the statement.

The other candidates in the race are Gina Cuclis, a Boyes Hot Springs communications consultant who serves on the county's Maternal, Child and Adolescent Health Advisory Board and Keith Rhinehart, a former United Parcel Service supervisor and substitute teacher who lives just north of Santa Rosa off Riebli Road.

The first candidates' forum in the race will be held on Wednesday, from noon to 2 p.m., at the Santa Rosa Central Library. It will focus on issues pertaining to children and families, including health care and welfare. It is hosted by the Santa Rosa-based California Parenting Institute.