



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
 January 15, 2013 – 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,
	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 w/ Quarterly Customer Service Questionnaire
	CONSENT CALENDAR The General Manager has reviewed the following items. To his knowledge, there is no opposition to the action. The items can be acted on in one consolidated motion as recommended or may be removed from the Consent Calendar and separately considered at the request of any person.	
	6.	Consent-Approve: Request Out-of-State Travel for Stacie Goodpaster
	7.	Consent-Approve: Regulation 5 Update
	8.	Consent-Approve: Extension of Half Moon Tank License Agreement for NSD Antenna
	9.	Consent-Approve: Proposed FY13/14 Budget Review Schedule
	ACTION CALENDAR	
	10.	Consider: Additional Bill Adjustment - Bangart
	11.	Approve: Recycled Water North/South Service Area- On-site Retrofit Construction Project (Group 2)- Approve Bid Advertisement
	12.	Approve: Change Order No. 5- Environmental Science Associates for Permitting and Mitigation Monitoring Services (Recycled Water Expansion)
	13.	Approve: Notice of Completion for Recycled Water Expansion South Service Area Phase 1a Project (Maggiora and Ghilotti, Inc.)

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)

9:00 p.m.

INFORMATION ITEMS

14. Bay Area Integrated Regional Water Management Plan Update
15. North Bay Water Reuse Authority Board Meeting- November 19, 2012
16. Caltrans' Marin Sonoma Narrows (MSN) and NMWD's AEEP Reach E Aqueduct Construction Phase – Outsourcing Inspection Services
17. STP STRAW Project Update
18. NBWA Meeting- January 4, 2013
19. TAC Meeting- January 7, 2013

20. **MISCELLANEOUS**

Disbursements

FY13/14 CalPERS Employer Rate

Self-Insured Workers' Comp-2nd Quarter Status Report

Annual Sick Leave Buy-Back Information

Information- Renewal of Oceana Marin Liability Insurance

NFPD Thank You Letter

Press Release from Rep. Thompson on the Russian River as the CA Habitat Focus Area

News Articles:

Rail work to start in Marin in 2013

Tito Sasaki Takes the Reins as President of Sonoma County Farm Bureau

Enrollment now open for the 2013 Fish Friendly Farming Environmental Certification Program

Supes toss vacancy appointment back to Las Gallinas Valley sewer board

NID Board Selects a New General Manager

Landman elected unanimously as Cotati's mayor

21. **Closed Session:** Conference with Real Property Negotiator (Chris DeGabriele) regarding terms of Intertie Agreement between North Marin Water District and Marin Municipal Water District (Government Code Section 54956.8)

10:00 p.m.

22. **ADJOURNMENT**

DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
December 18, 2012

CALL TO ORDER

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

North Marin Water District Employee Association Representatives Kerry Lemos, Brad Stompe, and Nancy Williamson, District employees Doug Moore (Construction/Maintenance Superintendent) and Dianne Landeros (Accounting/HR Supervisor) were in the audience.

CLOSED SESSION

President Fraites immediately adjourned the Board into closed session for:

In accordance with Government Code Section 54957.6; Conference with Labor Negotiators; District's Designated Representatives – Chris DeGabriele and David Bentley; Employee Organization – North Marin Water District Employee Association.

OPEN SESSION

Upon returning to regular session at 7:42 p.m., President Fraites stated that during the closed session the Board had discussed the issues and no reportable action had been taken.

MINUTES

On motion of Director Schoonover, seconded by Director Baker and unanimously carried the Board approved the minutes from the previous meeting as presented.

GENERAL MANAGER'S REPORT

ACWA Conference

Mr. DeGabriele informed the Board that during the recent Association of California Water Agencies Conference there were two items that were of a concern. He stated that there is concern that the State of California will somehow target special district reserves to fill the remaining gap in the budget even with the passage of Prop 30. Mr. DeGabriele noted that on the federal side it was mentioned that a regulatory avalanche is coming from the administration. He stated that in the last

1 90 days over 6,000 advanced notices of rulemaking have been issued and that the cabinet
2 members are exiting.

3 Miles Ferris Retirement

4 Mr. DeGabriele informed the Board that on Monday, the 10th of December he attended Miles
5 Ferris' retirement party and noted that he was the Director of Utilities in Santa Rosa for the past 27
6 years.

7 Public Policy Facilitating Committee Meeting

8 Mr. DeGabriele informed the Board that on Thursday, December 20th he will be attending the
9 Public Policy Facilitation Committee meeting which will include an overview of this years progress on
10 compliance with the Russian River Biological Opinion.

11 Mr. DeGabriele reminded the Board that there will only be one Board meeting in January on
12 the 15th.

13 **OPEN TIME**

14 President Fraites asked if anyone in the audience wished to bring up an item not on the
15 agenda and the following items were discussed:

16 District's Employee Association Representative Kerry Lemos addressed the Board stating
17 that the Employee Association believes that the proposed tentative agreement is a compromise and
18 hoped in the future for more open dialogue between management and the Employee Association.

19 **STAFF/DIRECTORS REPORTS**

20 President Fraites asked if staff or Directors wished to bring up an item not on the agenda
21 and the following items were discussed:

22 Mr. Bentley informed the Board that the Lauren Wayne claim has been closed.

23 President Fraites stated that all current Board Committee/Association Assignments will
24 remain as is.

25 **MONTHLY PROGRESS REPORT**

26 Mr. DeGabriele reported that through November water production in Novato and West Marin
27 was up 4% and that Stafford Treatment Plant produced 355 million gallons and is currently shut
28 down for maintenance. Mr. DeGabriele stated that the Stafford Lake through November has had
29 7.6" of rain, and that the lake elevation is at 180.2 ft. Mr. DeGabriele advised that the Oceana Marin
30 storage and treatment ponds are in good shape during the winter season. He noted that it has been
31 322 days with no lost time/accidents. Mr. DeGabriele stated that in November there were six

1 polybutylene and one copper service lines replaced. He said that the Summary of Complaints and
2 Service Orders for the month of November were up 34% from November 2011 due to high bill
3 complaints and service repairs.

4 David Bentley noted that the total of bill adjustments was \$64,000 compared to a year ago at
5 \$35,000 due to larger bills and more customers requesting bill adjustments.

6 Mr. Bentley informed the Board that the Monthly Report of Investments showed that the cash
7 balance decreased by \$1.3M during November, to \$8.9M. He noted that \$6.2M has been advanced
8 for the recycled water expansion project pending receipt of grant and SRF Loan funds. Mr. Bentley
9 stated that the District's investment portfolio is earning 0.41% interest.

10 **ACTION CALENDAR:**

11 **APPROVE: SALARY AND BENEFITS AGREEMENT WITH NMWD EMPLOYEE ASSOCIATION**

12 Mr. Bentley informed the Board that the District has come to an agreement with the District
13 Employee Association regarding salary and benefit changes to the existing labor agreement. He
14 stated that the employee vote on the proposed package was 28 for, 15 against. He stated that there
15 are five main parts to the agreement: 1) the District employees will contribute an additional 5%
16 towards the cost of medical insurance; 2) employees will contribute 1.6% per year toward the cost of
17 the CalPERS retirement benefit accumulating to an 8% contribution over the next five years; 3)
18 employees will receive a 1.6% annual salary increase to offset the cost of the retirement
19 contribution; 4) there will be a cost of living adjustment awarded annually based on the change in
20 the San Francisco Bay Area Consumer Price Index minus 0.3%; and 5) this is a six year agreement.
21 He noted that the District calculates the annual labor cost increase is anticipated to be 2.4% for
22 each of the next six years.

23 Director Baker opined that although the proposed agreement is not universally applauded by
24 employees, that the contract is better for employees than other agencies where employees are
25 receiving cuts or nothing at all.

26 On motion of Director Baker, seconded by Director Petterle and unanimously carried the
27 Board authorized the General Manager to execute the revised Memorandum of Understanding with
28 the NMWD Employee Association.

29 **APPROVE: SALARY AND BENEFITS AGREEMENT WITH NMWD UNREPRESENTED**
30 **EMPLOYEES**

31 Mr. DeGabriele informed the Board that after the tentative agreement was reached with the
32 Employee Association, he spoke with the unrepresented employees who agreed to accept the same
33 package.

1 On motion of Director Schoonover, seconded by Director Petterle and unanimously carried,
2 the Board approved the salary and benefits changes for unrepresented employees consistent with
3 the represented employee agreement.

4 **APPROVE: SALARY SCHEDULE REVISION**

5 Mr. Bentley stated that CalPERS has a new requirement that all salary schedules must be
6 approved and adopted in a public meeting. He recommended that the Board approve the new
7 salary schedule effective January 1, 2013, which includes all salaries except the General Manager,
8 which is done by resolution.

9 On motion of Director Petterle, seconded by Director Baker and unanimously carried, the
10 Board approved the District Salary Schedule for salaries effective January 1, 2013.

11 **APPROVE: CALPERS RESOLUTION TO REDUCE DISTRICT CONTRIBUTION**

12 Mr. Bentley informed the Board that on December 12, 2012 the NMWD Employee
13 Association approved a Tentative Agreement revising the Memorandum of Understanding (MOU)
14 with the District. He stated that Section 12 of the MOU provides that employees will contribute 1.6%
15 of salary toward the cost of the CalPERS retirement benefits. He noted that this provision would be
16 effective as of January 1, 2013. Mr. Bentley stated that effective October 1, 2013 and each
17 subsequent October 1 through the year 2016, employees will contribute an additional 1.6% of their
18 salary toward the retirement benefits until employees are paying a total of 8% toward the cost of
19 CalPERS retirement benefits. Mr. Bentley recommended that the Board execute the resolution
20 reducing the District contribution into CalPERS.

21 On motion of Director Baker, seconded by Director Petterle and unanimously carried, the
22 Board authorized President Fraites to execute the Resolution 12-25 titled "Resolution of the Board of
23 Directors of North Marin Water District for Employee Paid Member Contributions."

24 Mr. DeGabriele expressed his gratitude towards the Board for adopting all of the provisions,
25 along with commending David Bentley, Dianne Landeros and the Employee Association negotiators
26 for all of their hard work and determination to conclude negotiations.

27 **INFORMATION ITEMS**

28 **SCWA WATER SUPPLY STRATEGIES ACTION PLAN UPDATE 2012**

29 Mr. DeGabriele informed the Board that the Water Advisory Committee will be given the
30 opportunity to see the update of the Water Supply Strategies Action Plan at their February meeting
31 and will be asked to vote on the update prior to the plan going to Sonoma County Water Agency
32 Board. He stated that he has provided the NMWD Board a preview of the changes and comments.

1 **MISCELLANEOUS**

2 The Board received the following miscellaneous items: Disbursements, Wiley Price &
3 Radulovich, LLP announcement of new partnership and Public Policy Facilitating Meeting Agenda.

4 The Board also received the following news articles: Fish & Farmers Happy in Dry Creek,
5 Supervisor's aide Liza Crosse appointed to MMWD board, Plans for Stafford Lake bike park in
6 Novato on track, Santa Rosa picks new utilities director, and Editorial: Liza Crosse is a good choice
7 for Marin Municipal Water District Board seat.

8 **ADJOURNMENT**

9 President Fraites adjourned the meeting at 8:06 p.m.

10 Submitted by
11
12
13

14 Katie Young
15 District Secretary
16

NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR December 2012
January 15, 2013

1.

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

Month	FY12/13	FY11/12	FY10/11	FY09/10	FY08/09	13 vs 12 %
July	389	371	379	360	419	5%
August	396	373	368	367	417	6%
September	346	347	358	335	393	0%
October	283	249	278	233	313	14%
November	166	183	164	176	173	-10%
December	145	156	141	149	143	-7%
FYTD Total	1,725	1,679	1,689	1,620	1,859	3%

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

Month	FY12/13	FY11/12	FY10/11	FY09/10	FY08/09	13 vs 12 %
July	9.8	9.2	9.9	10.0	11.8	6%
August	9.7	9.4	9.9	10.6	11.9	3%
September	8.3	8.7	9.2	9.6	10.2	-5%
October	7.4	6.5	7.8	6.9	9.8	14%
November	5.2	5.1	4.9	5.6	7.2	1%
December	4.5	4.9	4.8	4.5	6.9	-9%
FYTD Total	44.9	44.0	46.5	47.1	57.8	2%

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

Month	FY12/13	FY11/12	FY10/11	FY09/10	FY08/09	13 vs 12 %
July	49	115	109	152	131	-58%
August	83	126	108	150	128	-34%
September	72	77	112	155	117	-6%
October	88	113	111	80	81	-22%
November	64	106	95	0	0	-40%
December	0	49	0	0	0	-
FYTD Total	355	586	536	537	458	-39%

Recycled Water Production - in Million Gallons - FY to Date

Month	FY12/13	FY11/12	FY10/11	FY09/10	FY08/09	13 vs 12 %
July	11.2	11.0	11.9	12.0	13.6	2%
August	10.5	12.2	11.2	12.9	13.6	-14%
September	8.5	9.6	9.5	10.2	10.9	-11%
October	0.0	0.0	2.6	2.6	6.4	-
November	0.0	0.0	0.0	0.0	0.0	-
December	0.0	0.0	0.0	0.0	0.0	-
FYTD Total	30.2	32.8	35.2	37.7	44.5	-8%

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2. Stafford Lake Data

	December Average	December 2011	December 2012
Rainfall this month	5.4 Inches	0.19 Inches	7.9 Inches
Rainfall this FY to date	10.3 Inches	4.76 Inches	16.4 Inches
Lake elevation*	182.1 Feet	178.5 Feet	195.9 Feet
Lake storage**	554 MG	410 MG	1,386 MG

* Spillway elevation is 196.0 feet

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

Temperature (in degrees)

	<u>Minimum</u>	<u>Maximum</u>	<u>Average</u>
December 2011 (STP)	39	80	55
December 2011 (Novato)	37	83	57
December 2012 (STP)	36	78	51
December 2012 (Novato)	31	77	52

3. Number of Services

December 31	Novato Water			Recycled Water			West Marin Water			Oceana Marin Swr		
	FY13	FY12	Incr %	FY13	FY12	Incr %	FY13	FY12	Incr %	FY13	FY12	Incr %
Total meters installed	20,755	20,746	0.0%	9	2	350%	819	818	0.1%	-	-	-
Total meters active	20,492	20,474	0.1%	4	2	100%	776	774	0.3%	-	-	-
Active dwelling units	23,941	23,866	0.3%	0	0	-	811	807	0.5%	227	227	0.0%

4. Oceana Marin Monthly Status Report (December)

Description	FY 12-13	FY 11-12
Effluent Flow Volume (MG)	1.11	0.50
Irrigation Field Discharge (MG)	0.0	0.63
Treatment Pond Freeboard (ft)	2.8	4.3
Storage Pond Freeboard (ft)	3.7	10.0

5. Developer Projects Status Report (December)

Job No.	Project	% Complete	% This month
2752	Hamilton Nursery	99	2
2766	7370 Redwood Blvd	93	3

District Projects Status Report - Const Dept (December)

Job No.	Project	% Complete	% This month
6600.69	Dam Concrete Apron Repair	100	30

Employee Hours to Date, FY 12/13

As of Pay Period Ending December 31, 2012

Percent of Fiscal Year Passed = 42%

Developer Projects	Actual	Budget	% YTD Budget	District Projects	Actual	Budget	% YTD Budget
Construction	699	1,694	41	Construction	1,259	3,815	33
Engineering	169	1,393	13	Engineering	2,305	3,855	60

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 Dec 12	0	0	0	2	2,487
FY through Dec 11	0	0	0	1	1,700

Days without a lost time accident through December 31, 2012= 353 days

7. Energy Cost

FYE		November			Fiscal Year-to-Date thru November		
		Kwh	¢/Kwh	Cost/Day	Kwh	¢/Kwh	Cost/Day
2013	Stafford TP	41,239	17.1¢	\$235	204,647	17.9¢	\$198
	Pumping	67,526	21.2¢	\$408	974,010	13.1¢	\$755
	Other*	39,353	16.4¢	\$190	216,719	19.7¢	\$221
		148,118	18.8¢	\$751	1,395,376	14.8¢	\$1,175
2012	Stafford TP	97,827	17.6¢	\$594	452,539	17.1¢	\$510
	Pumping	99,350	15.3¢	\$474	719,966	14.7¢	\$711
	Other*	36,198	20.3¢	\$244	200,817	21.2¢	\$282
		233,375	17.0¢	\$1,419	1,373,322	16.5¢	\$1,537
2011	Stafford TP	103,500	16.7¢	\$577	475,800	16.5¢	\$511
	Pumping	123,629	14.1¢	\$483	741,581	15.0¢	\$756
	Other*	35,860	21.1¢	\$261	228,608	20.7¢	\$311
		262,989	16.1¢	\$1,321	1,445,989	16.4¢	\$1,591

*Other includes West Marin Facilities

8. Water Conservation Update

	Month of December 2012	Fiscal Year to Date	Program Total to Date
High Efficiency Toilet (HET) Rebate (\$100 each)	9	112	2528
Retrofit Certificates Filed	23	197	4654
Cash for Grass Rebates Paid Out	1	18	506
Washing Machine Rebates	19	122	6021
Water Smart Home Survey	2	96	1336

9. Utility Performance Metric

CUSTOMER SERVICE INTERRUPTIONS	December Customers Impacted
PLANNED	
Duration Between 0.5 and 4 hours	7
Duration Between 4 and 12 hours	
Duration Greater than 12 hours	
UNPLANNED	
Duration Between 0.5 and 4 hours	1
Duration Between 4 and 12 hours	
Duration Greater than 12 hours	

SERVICE LINES REPLACED	December
Polybutylene	10
Copper (Replaced or Repaired)	2

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Order December 2012

Prepared: 01/08/13

Type	Dec-12	Dec-11	Action Taken December 2012
<u>Consumers' System Problems</u>			
Service Line Leaks	0	17	Notified Consumer
Meter Leak Consumer's Side	16	0	Notified Consumer
House Plumbing	0	0	~
Noisy Plumbing	0	0	~
Seepage or Other	0	0	~
House Valve / Meter Off	3	5	Turned Back On
Nothing Found	7	5	Notified Consumer
Low Pressure	1	2	Pressure good @ 62 PSI. Cleaned aerators.
High Pressure	0	0	~
Water Waster Complaints	0	0	~
Total	27	29	
<u>Service Repair Reports</u>			
Register Replacements	0	0	~
Meter Replacement	2	2	Replaced
Meter Box Alignment	0	0	~
Meter Noise	0	0	~
Dual Service Noise	0	0	~
Box and Lids	0	0	~
Water Off/On Due To Repairs	2	4	Notified Customer
Misc. Field Investigation	3	3	Notified Customer
Total	7	9	
<u>Leak NMWD Facilities</u>			
Main-Leak	0	0	~
Mains-Nothing Found	0	0	~
Mains-Damage	0	0	~
Service- Leak	11	15	Repaired
Services-Nothing Found	1	0	Notified Customer
Service-Damaged	0	0	~
Fire Hydrant-Leak	2	0	Repaired
Fire Hydrants-Nothing Found	0	0	~
Fire Hydrants-Damaged	0	0	~
Meter Replacement	0	1	~
Meters-Leak	0	0	~
Meters-Nothing Found	0	0	~
Meters Damaged	0	0	~
Washer Leaks	1	7	Replaced
Total	15	23	
<u>High Bill Complaints</u>			
Consumer Leaks	4	12	Notified Customer
Meter Testing	0	0	~
Meter Misread	2	5	Notified Customer
Nothing Found	12	19	Notified Customer
Projected Consumption	0	0	~
Excessive Irrigation	1	1	Notified Customer
Total	19	37	

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Order December 2012

Prepared: 01/08/13

Type	Dec-12	Dec-11	Action Taken December 2012
<u>Low Bill Reports</u>			
Meter Misread	0	0	~
Stuck Meter	0	1	~
Nothing Found	0	0	~
Projected Consumption	0	0	~
Minimum Charge Only	0	0	~
Total	0	1	
<u>Water Quality Complaints</u>			
Taste and Odor	0	1	~
Color	0	0	~
Turbidity	0	0	~
Suspended Solids	0	0	~
Other	0	2	~
Total	0	3	
TOTAL FOR MONTH:	68	102	-33%

Fiscal YTD Summary

Consumer's System Problems	247
Service Repair Report	82
Leak Complaints	142
High Bill Complaints	342
Low Bills	1
Water Quality Complaints	22
Total	836

Change Primarily Due To

12%	Increase In Nothing Found
64%	Increase In Water Off/On Due to Repairs
-15%	Decrease In Service Line Leak
38%	Increase In Nothing Found
-83%	Decrease In Nothing Found
-15%	Decrease In Color
16%	

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Order December 2012

Prepared: 01/08/13

Type	Dec-12	Dec-11	Action Taken December 2012
<u>"In House" Generated and Completed Work Orders</u>			
<u>Check Meter:</u> possible consumer/District leak, high bill, flooded, need read, etc.	175	164	
<u>Change Meter:</u> leaks, hard to read	11	18	
<u>Possible Stuck Meter</u>	2	3	
<u>Repair Meter:</u> registers, shut offs	0	0	
<u>Replace Boxes/Lids</u>	3	17	
<u>Hydrant Leaks</u>	0	0	
<u>Trims</u>	8	17	
<u>Dig Outs</u>	52	51	
<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	
	251	270	

Bill Adjustments Under Board Policy:

December 12 vs. December 11

Dec-12	28	\$11,358
Dec-11	25	\$4,172

Fiscal Year to Date vs. Prior FYTD

12/13 FYTD	228	\$75,964
11/12 FYTD	175	\$40,111

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Customer Service Questionnaire Quarterly Report c:\documents and settings\kyoung\local settings\temporary internet files\content\outlook\tdarh1\q(customer service question rep dec12.xls)comments
Quarter Ending 12/31/12

Customer Comments	Staff Response to Negative Comments	Issues NMWD Should Address In The Future
<p>Water Quality Very nice women & friendly. Water still has chlorine taste.</p>		
<p>Billing We had no noticeable leaks. Irrigation was on for only 20 min. The technicians are always professional & helpful. Excellent customer service when I called in. The field service rep was very helpful. The technician came out the same day I called. Very nice & resolved my question.</p>	<p>Chlorine level was normal for NMWD water. Customer was advised to refrigerate water in an open container overnight to allow chlorine to dissipate.</p> <p>Advised customer to schedule a Water Smart Home Survey. Customer will schedule next Spring.</p>	
<p>Noisy Pipes</p>		
<p>Leaks Darrell was able to locate the leak. He was great. Surprised my bill wasn't adjusted. Very prompt, courteous service. Thank you. Thank you again for your help! The man came out right away. He was very nice & helpful. North Marin Water provided me with prompt customer service. Lia was super helpful & friendly. My issue was addressed immediately. Work crew was friendly. Excellent service, both on phones & the person who came to my house. The person who came to my house was very helpful. Your staff is very professional. Darrell was very nice & helpful.</p>	<p>Customer had a bill adjustment for July & September bill in 2012 and was therefore ineligible for another adjustment.</p>	

Customer Service Questionnaire Quarterly Report c:\documents and settings\kyoung\local settings\temporary internet files\content\outlook\ctarm1\q[customer service question rep dec'12.xls]comments
Quarter Ending 12/31/12

Customer Comments	Staff Response to Negative Comments	Issues NIMWD Should Address In The Future
<p>Other</p> <p>Pressure</p> <p>The person on the phone was very helpful. The person who came out was very knowledgeable. The person was very helpful & professional.</p>		

MEMORANDUM

To: Board of Directors

January 11, 2013

From: David L. Bentley, Auditor-Controller 

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

t:\aclword\invest\13\investment report 1212.doc

RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$8,400,825 and a market value of \$8,413,033. During December the cash balance decreased by \$548,234. For the fiscal year, the cash balance decreased \$2,108,567. The market value of securities held increased by \$2,618 during the month. The ratio of total cash to budgeted annual operating expense, stood at 66%, down 5% from the prior month. This compares to the District's target ratio of 90%, or \$11.4 million. To date, \$6,524,081 has been advanced for the recycled water expansion project pending receipt of grant and SRF Loan funds.

At December 31, 2012, 75% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), and 18% in Time Certificate of Deposits placed in banks. The weighted average maturity for the portfolio was 59 days, compared to 40 days at the end of last month. The LAIF interest rate for the month was 0.33%, compared to 0.32% the previous month. The weighted average Portfolio rate was 0.42%, compared to 0.41% the previous month. Including interest paid by Black Point Partners on the StoneTree Golf Club Recycled Water Facilities Loan, the District earned \$25,650 in interest revenue during December with 80% earned by Novato Water and the balance distributed to the other improvement districts.

State Controller John Chiang's December report on California's financial position stated:

"The month's revenues closely match budget projections and offer further evidence that California's economy is slowly mending. The State ended the last fiscal year with a cash deficit of \$9.6 billion. As of December 31, that cash deficit totaled \$24.2 billion."

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

Type	Description	S&P Rating	Purchase Date	Maturity Date	Cost Basis ¹	12/31/2012 Market Value	Yield ²	% of Portfolio
LAIF	State of CA Treasury	A	Various	Open	\$6,292,596	\$6,300,270	0.33% ³	75%
Time Certificate of Deposit								
TCD	Bank of Marin	n/a	6/3/11	6/3/13	\$1,000,000	\$1,000,000	1.00%	12%
TCD	Ally Bank	n/a	9/28/12	10/1/14	248,000	248,000	0.85%	3%
TCD	Goldman Sachs	n/a	12/5/12	12/5/14	248,000	248,000	0.75%	3%
					\$1,496,000	\$1,496,000	0.93%	18%
Other								
Agency	Marin Co Treasury	AA+	Various	Open	\$374,671	\$374,671	0.22%	4%
Bond	Olema G.O. Bond	A+	5/31/91	1/1/15	7,661	12,195	5.00%	0%
Other	Various	n/a	Various	Open	229,898	229,898	0.00%	3%
TOTAL IN PORTFOLIO					\$8,400,825	\$8,413,033	0.42%	100%

Weighted Avg. Maturity = **59 Days**

LAIF: State of California Local Agency Investment Fund.

TCD: Time Certificate of Deposit

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, Bank of Marin AEEP Checking 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 December 31, 2012.

Interest Bearing Loans	Loan Date	Maturity Date	Original Loan Amount	Principal Outstanding	Interest Rate
Black Point Partners-BPGL	6/30/06	2/28/24	\$3,612,640	\$2,430,489	2.40%
Employee Housing Loans (8)	Various	Various	1,441,785	1,441,785	Contingent
Employee Computer Loans (5)	Various	Various	10,020	3,578	1.66% (avg)
TOTAL INTEREST BEARING LOANS			\$5,064,445	\$3,875,852	

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

t:\accountants\investments\13\1212.xls\mo rpt

MEMORANDUM

To: Board of Directors

January 11, 2013

From: Pablo Ramudo, Water Quality Supervisor 

Subject: Request Out-of-State Travel for Stacie Goodpaster

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RECOMMENDED ACTION: Approve Out-of-State Travel for Stacie Goodpaster to attend AWWA spring conference.


FINANCIAL IMPACT: \$1800

Stacie Goodpaster has been a member of the AWWA California Nevada section Water Quality Laboratory Analyst Certification Committee for over five years and currently serves as Chair. Stacie meets with other members of the committee at regular teleconferences (~1/month). The committee meets bi-annually at the AWWA CA-NV spring and fall conferences.

The annual spring conference this year is taking place in Las Vegas, Nevada from March 24th through the 28th. In addition to the committee meeting, Stacie will attend technical sessions for continuing education credits necessary for maintenance of the Distribution System Operator certificate and the Laboratory Analyst certificate. Stacie's expenses will be covered by the Water Quality budget for meetings and training.

Recommendation:

Authorize Stacie Goodpaster to travel out of state to attend the AWWA spring conference.

Approved by GM 
Date 1/11/2013

MEMORANDUM

To: Board of Directors
From: David L. Bentley, Auditor-Controller
Subj: Regulation 5 Update
t:\acl\word\regs\reg 5.docx

January 11, 2013

RECOMMENDED ACTION: Approve

FINANCIAL IMPACT: No District Impact; Additional \$250 Refundable Customer Deposit

Regulation 5, Temporary Service (attached), is amended to revise the refundable security deposit to reflect the current replacement cost of a hydrant meter (\$850) used for temporary water service. This will increase the payment for a hydrant meter to \$950, of which \$100 is a non-refundable charge for administration, installing and removing the meter.

In addition, a new one-sentence section has been added to the end of Regulation 5 to clarify that a bimonthly service charge and water quantity charge applies to use of the hydrant meter. Hydrant meters were provided for temporary water use 29 times in 2012.

RECOMMENDATION:

Approve revisions to Regulation 5 as shown.

Approved by GM CD

Date 1/11/2013

DRAFT
NORTH MARIN WATER DISTRICT
REGULATION 5
TEMPORARY SERVICE

a. Authorization and Charges

Temporary service may be provided when water service is required for only a limited period of time. Except for subdivisions, service for a period not longer than one year may be authorized by the General Manager. Service for subdivisions and service for a period longer than one year and up to three years may be authorized by the Board of Directors if and when it determines that such longer period is reasonable and necessary. Upon authorization of a temporary service the Applicant shall pay to the District the estimated total cost of installing the connection to the District's distribution system, plus a reasonable security deposit as determined by the District. Payment of the initial charges imposed by Section c. of Regulation 1 shall not be required. Rates for service shall be in accordance with the District's normal water rates as applicable and described in Regulation 54 a., c., and e. Temporary service permits through fire hydrants may be issued as described in Parts b, c and d and subject to the following additional conditions:

- No permit shall be issued to supply water outside the District's service territory.
- Permits may be suspended by the District during a water shortage emergency.
- Permits may be revoked immediately, without notice, due to non-payment, where use violates any provision of this regulation or where access to the fire hydrant for routine or emergency purposes is impeded.
- Applicant shall not draw water from a fire hydrant in a manner which creates a cross-connection with a non-potable water source without use of a District approved backflow prevention device.

b. Construction Service Through Fire Hydrants - Installed by the District

A temporary service permit for construction purposes may be provided for up to one year through hydrant meters upon written application to the District and the payment of ~~\$950~~^{\$700}, of which \$100 is a non-refundable charge for administration, installing and removing the meter. The remainder will be retained by the District to insure against damage to the meter and will be refunded (less any costs) upon termination of service. Hydrant meters will be installed and maintained by the District and shall not be removed or otherwise disturbed by the Applicant. District will relocate the meter upon request of the Applicant. Cost of each such relocation shall be \$65. The Applicant is responsible for all water used through the meter and is responsible for any damage to the meter.

c. Construction Service Through Fire Hydrants - Installed by the Applicant

A temporary service permit for construction purposes may be provided for up to 90 days through hydrant meters upon written application to the District and the payment of \$1,400, of which \$200 is a non-refundable charge for administration. The remainder will be retained by the District to insure against damage to the meter and will be refunded (less any costs) upon termination of service. The hydrant meter will be assigned to the Applicant who will be responsible for its installation, care and return. Applicant must install the hydrant meter at the location specified on the permit. Hydrant meter shall not be relocated to a new location without advance written authorization of the District as documented by an amended temporary service permit issued by District. The Applicant is also responsible for providing the District with bimonthly recorded meter readings. Failure to obtain District authorization for relocation or to provide said bimonthly readings in a timely manner shall result in revocation of the temporary service permit. The Applicant is responsible for all water used through the meter and is responsible for any damage to the meter.

d. Service Through Fire Hydrant - For Public Agencies and Non Profits

A temporary service permit for irrigation purposes to establish landscaping on public lands or for non profit activities open to the general public may be provided for up to one year through hydrant meters upon written application to the District and the payment of a \$300 deposit, of which \$60 is a non-refundable charge for administration. The remainder will be retained by the District to insure against damage to the meter and will be refunded (less any costs) upon termination of service. The hydrant meter will be assigned to a duly authorized representative of the requesting public agency or non profit organization who will be responsible for its installation, care and return. Applicant must install the hydrant meter at the location specified on the permit. Hydrant meter shall not be relocated to a new location without advance written authorization of the District as documented by an amended temporary service permit issued by District. The assigned representative will also be responsible for providing the District with bimonthly recorded meter readings. Failure to obtain District authorization for relocation or to provide said bimonthly readings in a timely manner shall result in revocation of the temporary service permit. The Applicant is responsible for all water used through the meter and is responsible for any damage to the meter.

The status of non profit entities shall be verified through Internal Revenue Service 501(c) (3) certification, and the purpose of use shall be subject to the approval of the General Manager, prior to issuance of permit.

e. Water Rates

A bi-monthly service charge and water quantity charge shall be paid as specified in Regulation 54.

MEMORANDUM

To: Board of Directors

January 11, 2013

From: Robert Clark, Operations / Maintenance Superintendent *RC*

Subj: Extension of Half Moon Tank License Agreement for Novato Sanitary District Antenna
x:\maint sup\2013\bod\bod nsd ext memo rev.doc

RECOMMENDED ACTION: Approve Extension of Half Moon Tank License Agreement for
NSD Antenna

FINANCIAL IMPACT: \$570 annual income

Novato Sanitary District (NSD) currently has a ten year license agreement with the District allowing use of the Half Moon tank site to place an antenna, and 24" x 30" equipment box. The antenna was first moved to this site in 1995 to aid in the NSD sewer control system operation. The current license runs through January 31, 2013 with a provision to extend the term of the agreement for an additional ten years. NSD has requested to exercise this option and has asked to extend the agreement for another ten years.

The Novato Sanitary District has requested an extension according to the agreement terms and is in good standing with the District. Therefore, staff requests authorization to grant a license agreement extension for a ten year term from February 1, 2013 to January 31, 2023.

RECOMMENDATION:

Board approves extension of ten-year license agreement for Novato Sanitary District use of the Half Moon Tank site.

Approved by GM *CD*

Date *1/11/2013*

**DRAFT
LICENSE AGREEMENT**

THIS LICENSE AGREEMENT was made on _____ by and between NORTH MARIN WATER DISTRICT, herein called "Water District," and Novato Sanitary District, herein called "Sanitary District".

1. Grant of License

The Water District hereby grants to the Sanitary District a revocable license to enter the District's Half Moon Tank site ("the site") for the purpose of installing, operating, maintaining and replacing sanitary sewer pump station alarm communication equipment, subject to the following considerations and conditions.

- (a) The sole use of the sanitary sewer pump station alarm communications equipment, hereinafter described as Alarm Telemetry Equipment, will be installed at the site by the Sanitary District or its authorized representatives.
- (b) Costs of future maintenance or replacement shall be borne by the Sanitary District.
- (c) Other Sanitary District owned equipment or other non-radio related equipment that the Sanitary District may deem necessary or advisable to add in the future may be added with the prior written consent of the Water District.
- (d) The Water District shall solely pay the PG&E electrical bill in its entirety.

2. Term

The term of this license is ten years, beginning on February 1, 2013 and ending on February 1, 2023

3. Option to Extend Term

The Water District hereby grants to the Sanitary District, the option to extend the term of this license for an additional ten (10) years beginning on the last day of the original term and ending ten (10) years thereafter. Request to exercise said option must be made by the Sanitary District in writing at least sixty (60) days before expiration of the term. The Sanitary District may exercise this option only if the original license remains in effect and the Sanitary District delivers to the Water District written notice requesting said option not later than December 1, 2022.

4. Limitations on Use During License Period

a. The Sanitary District's use of the site shall not hinder or interfere with the Water District's operation and maintenance of its Half Moon tank and other related water supply facilities.

b. The Sanitary District's use of the site shall not compromise the security of the site or the quality of water in the tank. Contractors utilized by the Sanitary District on the site shall be accompanied by Sanitary District personnel at all times.

c. The Sanitary District shall not do any grading or excavation on the site and shall not erect any structure thereon except the facilities described in Section 1 hereof without the written consent of the Water District. All of the Sanitary District's work shall be accomplished at the Sanitary District's expense and in accordance with plans and specifications approved in writing by the Water District and permits issued by the City of Novato. The Sanitary District shall not permit any lien or encumbrance to be placed on the site.

d. Alarm Telemetry Equipment shall not interfere with public reception or transmission of radio or television signals. If interference is traceable to the Sanitary District's Alarm Telemetry Equipment or operation thereof on the site, the Sanitary District shall correct the cause without delay.

e. The Sanitary District shall operate the Alarm Telemetry Equipment in accordance with all applicable city, county, state and federal regulations, ordinances and statutes now or hereafter in effect and shall, at its expense, maintain in effect throughout the time of this license all permits, licenses and authorizations required by law for operations of said facilities.

f. The Sanitary District shall maintain the facilities at all times in a clean, safe and orderly condition.

5. Reimbursement Payments by Sanitary District

The Sanitary District shall reimburse the Water District annually, on the anniversary of this agreement, for electrical cost incurred by the Water District in operating the radio transmitting facilities. Said cost is estimated at \$570 per tank site annually. The first payment shall be due February 1, 2013.

6. Termination

The Sanitary District acknowledges that its rights under this license are subordinate to the prior and superior right of the Water District to use the site for the purpose of providing a public water supply. The Water District reserves the right to terminate the license at any time it is

reasonably necessary to carry out its said public water supply purpose as solely determined by the Water District. It is acknowledged that the Alarm Telemetry Equipment is critical to the operating communications of the Sanitary District and no action to terminate the license may be initiated by the Water District unless the water emergency need to terminate outweighs the public need to keep the Alarm Telemetry Equipment operational as determined solely by the Water District. In the event of an emergency need to terminate the operation of the Alarm Telemetry Equipment, the Water District shall promptly notify the Sanitary District so measures can be taken by the Sanitary District to locate a secondary site for relocation of the Alarm Telemetry Equipment or implement other measures to maintain communications. Either party may terminate this agreement at any time by providing the other party with two weeks written notice.

7. Removal of Personal Property and Structures

Upon expiration of the term of the license or the sooner termination thereof, the Sanitary District shall, at its expense, remove all the Alarm Telemetry Equipment and personal property, installed at the site, leaving it vacant and clean, and shall restore the site as nearly as possible to the condition it was in at the commencement of this license. If the Sanitary District fails to do so, the Water District may cause the work to be done and the Sanitary District shall reimburse the Water District for its costs thereby incurred.

From time to time the Sanitary District facilities may require removal and relocation or reinstallation to accommodate maintenance of Water District facilities. Under these circumstances Water District shall provide reasonable notice of minimum 10 working days to the Sanitary District which shall, at the Sanitary District's sole expense, remove and relocate or reinstall said facilities. If the Sanitary District fails to do so, the Water District may cause the work to be done and the Sanitary District shall reimburse the Water District for its costs thereby incurred.

8. Water District to be Held Harmless; Insurance

The Sanitary District shall hold the Water District harmless, defend and indemnify Water District and its officers, officials, employees and volunteers from and against all claims, damages, losses and expenses including attorney fees arising out of the performance of the work described herein, caused in whole or in part by any negligent act or omission of the contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, except where caused by the active negligence, sole negligence, or willful misconduct of the District

For the duration of this license the Sanitary District shall continuously maintain and pay for general and auto liability insurance written by an insurance company admitted by the California Department of Insurance and have a Best's rating of not less than A-VII and insuring both the Water District and Sanitary District with bodily injury, personal injury and property damage coverage in amounts not less than one million dollars (\$1,000,000) per occurrence. Such insurance coverage shall specifically name Water District as an Additional Insured. If said insurance is on a "claims made" rather than "occurrence" basis, said insurance shall be accompanied by a policy with the same limits covering claims made within one year after the date of expiration or termination of this license. The Sanitary District shall deliver to the Water District a certificate and endorsement signed by an authorized agent of this insurance company stating that the insurance has been issued and is in good standing, and that said policy shall not be canceled without 30 days notice in writing to the Water District.

The Sanitary District shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor to the District for review and approval. All coverage for subcontractors shall be subject to all of the requirements stated herein.

Absence of proper insurance shall be grounds for immediate termination of this license.

9. Non-Assignability

This license shall not be assignable by the Sanitary District or by operation of law without the prior written consent of Water District, said consent shall not be unreasonably withheld.

IN WITNESS WHEREOF, the parties hereto have caused this license to be executed as of the day and year first above written.

NORTH MARIN WATER DISTRICT

By

Rick Fraites
President, Board of Directors

NOVATO SANITARY DISTRICT

By:

Michael DiGiorgio
President, Board of Directors

MEMORANDUM

To: Board of Directors

January 11, 2013

From: David L. Bentley, Auditor-Controller 

Subj: Proposed FY13/14 Budget Review Schedule
t:\acl\word\budget\14\proposed review sched fy14.docx

RECOMMENDED ACTION: Approve

FINANCIAL IMPACT: None

PROPOSED BUDGET REVIEW SCHEDULE FY 2013-14

Date	Novato Potable and Recycled Water Budgets			West Marin Budgets ¹	
	Location	Equipment & Improvement Projects	Operations	West Marin Water	Oceana Marin Sewer
April 16	Novato	IR			
May 7	Novato		IR		
May 21	Novato	AR ²	AR ²		
June 4	Novato			IR	IR
June 18	Novato	H/A	H/A	AR ²	AR ²
June 25	Pt Reyes			H/A	H/A

ACTIVITY CODE

IR - Initial Review

AR - Additional Review

H/A - Hearing, final changes and approval

¹ Capital Improvement Projects and Operations

² Department Heads present

Approved by GM CD

Date 1/11/2013

MEMORANDUM

To: Board of Directors

January 11, 2013

From: David L. Bentley, Auditor-Controller.

Subj: Request for Additional Bill Adjustment – 230 Red Hawk Road

t:\ac\word\memo\13\bangart bill adjustment.docx

Recommended Action: Consider Additional Adjustment

Financial Impact: \$0-\$113

At the end of November, Ms. Bangart, who resides in a condominium located off of Alameda Del Prado, received a water bill for \$299 for use of 46,000 gallons. Her bimonthly use over the prior year consistently ranged between 2,000 and 3,000 gallons. Ms. Bangart called the District and an investigation ensued. The meter reading was verified as accurate, and a Water Smart Home Survey failed to uncover any leaks. A \$148 Bill Adjustment was granted as authorized under Board Policy, reducing the bill to \$150. Ms. Bangart insists that she had no leaks and did not use the volume of water registered on the meter, but instead used the normal 2,000 to 3,000 gallons. Using her November 2011 billed consumption, the bill would be \$37.

Staff explained to Ms. Bangart that it has no authority to grant any further adjustment. Ms. Bangart then took the matter up with the Marin County District Attorney, who has offered to mediate the dispute. We called Ms. Bangart and invited her to appeal her case to the Board. She readily agreed and plans to attend the meeting.

Staff stands by the meter reading, and notes that the District's marginal cost for 46,000 gallons of water is \$167¹, which, with the \$25 bimonthly service charge, renders a total cost of \$192. The adjusted bill currently stands at \$150.

Options for the Board to consider:

- 1) Let the bill stand as adjusted at \$150;
- 2) Grant a full adjustment using November 2011 billed consumption, reducing the bill to \$37;
- 3) Authorize an adjustment between options 1 and 2 (a credit between \$0 and \$113).

Ms. Bangart has been a good customer since 1997, always paying her bills on time. She has expended considerable time and provided extensive documentation to support her case (attached). Staff is sympathetic to her situation, but has no basis to offer further relief.

RECOMMENDATION:

Option 1.

¹ Based on the SCWA wholesale charge of \$2.20/1,000 gallons plus the cost to pump the water to Ms. Bangart's Elevation Zone C property at \$1.43/1,000 gallons.



OFFICE OF THE DISTRICT ATTORNEY
MARIN COUNTY, CALIFORNIA

Prevention ★ Prosecution ★ Protection

Edward S. Berberian
District Attorney

Barry G. Borden
CHIEF DEPUTY DISTRICT
ATTORNEY

Robert R. Guidi
CHIEF INSPECTOR

Peggy M. Toth
ADMINISTRATOR

December 31, 2012

North Marin Water District
999 Rush Creek Place
Novato, CA 94948

RECEIVED
7
JAN 08 2013
North Marin Water District

Re: CD12130019 Theresa Bangart

Dear Sir/Madam:

The Consumer Protection Unit of this office has received the enclosed complaint concerning your firm.

One of the functions which this office performs is the mediation of consumer disputes. Mediation means helping the parties to a dispute find their own mutually acceptable solution. It is a voluntary and informal process.

If you are interested in resolving this dispute through mediation, please contact our office within two weeks from the date of this letter. We would prefer that your response be in writing, relevant to the allegations contained in the complaint.

Thank you for your consideration.

Very truly yours,

EDWARD S. BERBERIAN
DISTRICT ATTORNEY

TED BRIGHT
Volunteer Mediator
Consumer Protection Unit

TB /dez

Enclosure

OFFICE OF THE DISTRICT ATTORNEY

Room 130 - Hall of Justice
San Rafael, CA 94903

(415) 499-6495

PLEASE PRINT

RECEIVED

DEC 20 2012

For Office Use Only

Date: 12/28/12

Case No.: 12-13-0019

Assmnt: TB

Person Making Complaint Are you over the age of 62 yes <input checked="" type="checkbox"/> no <input type="checkbox"/>		Complaint Against (person or company)	
Name Theresa Bangart		Name North Marin Water District	
Address 230 Red Hawk Rd.		Address 999 Rush Creek Place	
City Novato	State CA ZIP 94949	City Novato	State CA ZIP 94948
Home Phone 415-246-3005	Work Phone	Phone 415-897-4133	Person Contacted
<p>You can best explain your complaint by writing a brief account of the events in order in which they occurred. Please include the type of product or service and the names of persons involved. State whether or not a contract was signed. If a product or service was advertised, please state when and where you saw the advertisement. You may wish to include witness names and address or telephone numbers. Indicate what action you believe would be fair to resolve your complaint. A copy of this complaint may be forwarded to the person or company you have complaint against for their review.</p> <p>According to North Marin Water District's bill dated 11/22/12 I used 46,376 gallons of water for a 50 day period. The amount of the bill is \$298.83. My normal usage for 63-65 days is around 2,244 gallons. My bill is usually \$31-37.00 per 2mo. cycle. (Previous bills enclosed) Upon receiving this bill I called NMWD. The woman in charge of billing stated "on Nov. 9 when processing the bills they noticed my usage was unusually high. She said "they came out to check the meter on Nov. 13th. No one contacted me prior to the visit or knocked on the door to inform me that there could be a problem. On Nov. 28, 2012 I requested a home assessment/survey to see if I had an unknown water leak somewhere in my house. On Dec 3, 2012 two representatives of NMWD came out and performed a home assessment. They looked at all toilets, faucets, showerheads. They walked through my house. They found no leaks, no running water, no dripping faucets. At the end of the visit I let the 2 reps know I would be willing to pay an adjusted bill that was reflective of my usual water use. Ryan, the NMWD rep stated "Most people just pay the 50% adjusted rate."</p> <p>(Continue on separate sheet if necessary)</p> <p>Please attach photocopies of all available documents mentioned in your report. (Receipts, contracts, cancelled checks, advertisements, correspondence)</p> <p>THE INFORMATION CONTAINED IN THIS FORM IS TRUE, CORRECT, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.</p>			
Signed: Theresa Bangart		Date: 12/10/2010	
Initial Approval:		Final Disposition and Dates:	
Final Approval			

Consumer Protection
Room 130-Hall of Justice
San Rafael Ca 94903
415 499 6495

Theresa Bangart
230 Red Hawk Rd.
Novato Ca. 94949
415 246 3005
December 28, 2012

Dec. 3, 2012 Ryan from NMWD stated that on Nov.13, 2012 my water meter showed there were no leaks. He stated they did not knock on my door or inform me of the visit because I had no leaks-it was regular usage according to their meter.

Dec. 3, 2012 Ryan from NMWD checked the meter again and no leaks were found.

Dec.5, 2012 I received adjusted bill for \$150.44

Dec.5, 2012 I let the woman in billing and NMWD representative Ryan know that I wanted to pursue mediation with your office. My billing file was to be noted.

Dec.10, 2012 I requested copy of my 2010 usage and billing.{ Evidence of first spiked bill.}

Dec. 10, 2012, I sent letter to NMWD district stating I wanted an investigation by them of my bill dated 11/22/2012. I requested in writing the thirty minute leak test to be done at my home. I also requested to NMWD that mediation be agreed upon to settle dispute if bill cannot be adjusted to normal usage after all leak tests are completed and found negative. The water meter and home assessment indicate I have no leaks.

Dec.10, 2012, Ryan of NMWD telephoned after requesting the 30min leak test. He said, "I have a low flow detector on my meter which detects leaks. Because of this meter I do not need the 30 min. leak test." He restated in conversation I have no leaks and the meter has shown no leaks.

Dec. 14, 2012 I requested usage information, with names deleted, a copy of the neighbors that I share meter space and underground equipment with in order to see if they had problems with unusual usage. NMWD refused to give me this information on the grounds of confidentiality. Since I do not have this information I cannot be certain that other

people have not had this problem over the past 8 years. (The print out of my bi-monthly usage goes back to 2004.)

I do not believe that I should be held responsible for using 44, 132 gallons of water over my normal standard usage for sixty days. First of all I had no unusual water or water fixture issues that would account for ANY increase in my water use. I have lived here for 15yrs and everything has run normal. I have had no running toilet flapper problems, overflows, minor floods or dripping fixtures. I have not left any water on except for a very short period of time (a minute or less). I have had nothing fixed by a plumber. I use two out of three of my bathrooms constantly during the day. My third bathroom is rarely used and I pass by the room throughout the day. I would have heard a toilet or faucet running. My condo is only 1700 sq. feet. Given its size, I am sure I would have detected any unusual noise from running water. (I also do not listen to the radio/television which leads me to contend that my hearing remains very high.)

Secondly, I am one person living in the condo. My condo is attached to other condos in clustered groups. The condo has no outside landscaping for me to water. There is no outside faucet or hose that someone else could have use. I have no yard watering that could be left on.

Thirdly, my normal water use is approximately 2,244 gallons per billing cycle of approximately 60 days. How could one person in a condo without a leak use 46,376 gallons of water in 50 days? My normal daily use is approximately 37.4 gallons a day per 60 day cycle. By their billing I was consuming 772.93 gallons a day. 2,244 gallons of water is what I roughly use in 60/65 days.

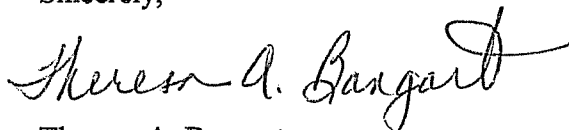
Furthermore, I would like to know why this particular billing cycle was for only 50 days long? Was my meter read on November 9, 2012? Why did NMWD come and read my meter again on Nov. 13th as the woman in billing indicated during the first call I made to NMWD.

Fourthly, this is the second time in two years that NMWD has sent me a billing statement for using an extra high amount of water. This same thing happened in 2010. At that time, the usage for a billing cycle was twice or three times my normal usage. Because I was a busy working person without the time to investigate, I paid the adjusted bill in 2010 (see underlining is usage history). This second bill (November 2012) is so astronomical that I really have to contest NMWD's technology for adequately measuring my or any other home's water usage. I would like to ask, how many other people are having this same problem? I do not believe I am an isolated case.

As NMWD rep said "most people just pay the 50% adjusted rate." I would like the DA's office to investigate NMWD's records and meter reading procedures. Something else is going on here! It is just not possible for my living situation to use 46,367 gallons of water in 50 days. I am an extremely responsible, aware and intelligent person; no water was left running, there was no faulty toilet or flood. It did not happen!!!!

In summary, I contend I was not responsible for these "artificial" readings and numbers. I feel I should be only responsible for my average usage amount of water for 50 days usage of water.

Sincerely,

A handwritten signature in cursive script that reads "Theresa A. Bangart". The signature is fluid and elegant, with a large, stylized initial 'T'.

Theresa A. Bangart



**NORTH MARIN
WATER DISTRICT**
999 Rush Creek Place / Post Office Box 146
Novato, CA 94945

Telephone: (415) 897-4133
Fax: (415) 892-8043
Website: www.nmwd.com

SEE BACK FOR NOTES

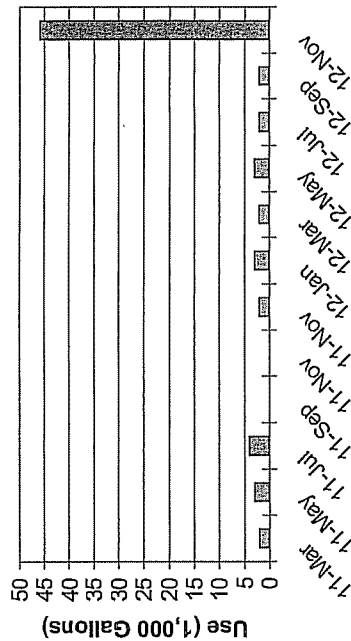
MAILING DATE	ACCOUNT NUMBER	DUE DATE (Note F)	TOTAL DUE	SERVICE ADDRESS
11/22/2012	1793102	12/17/2012	\$ 298.83	230 Redhawk Rd

DATE	DESCRIPTION	AMOUNT
09/27/2012	Previous Balance	\$36.58
10/12/2012	PAYMENT ** THANK YOU **	(\$36.58)
11/22/2012	BASE RATE 30,750 Gal @\$5.16/1,000 Gal	\$158.67
11/22/2012	TIER 2- 15,626 Gal @\$7.37/1,000 Gal	\$115.16
11/22/2012	SERVICE CHARGE (Note A)	\$25.00

Total Billed Amount:

\$298.83

Water Use History



Bill Date

METER NUMBER	DATE OF SERVICE	METER READING	USE (CCF)**
43213022	FROM 09/20/2012 TO 11/09/2012	FROM 20 TO 82	62

CURRENT PERIOD:	**CCF	TOTAL GALLONS USED	DAYS	AVG. GALLONS PER DAY
	62	46,376	50	928
SAME PERIOD LAST YEAR:	3	2,244	65	35

** 1 CCF = 100 CUBIC FEET OR 748 GALLONS

IMPORTANT MESSAGE FROM NMWD

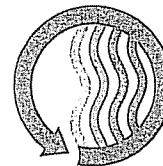
We now offer Automatic Payment Service (APS), a convenient way to pay your NMWD bills directly via your bank. Mark the pay stub and we will send you info and an application.

Thank You for your consistently prompt payments.

Detach and return stub with your payment. Retain upper portion for your records.



[1/1]



**NORTH MARIN
WATER DISTRICT**

999 Rush Creek Place / Post Office Box 146
Novato, CA 94945

ACCOUNT NUMBER

1793102



**NORTH MARIN
WATER DISTRICT**

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

PHONE
415.897.4133

FAX
415.892.8043

EMAIL
info@nmwd.com

WEB
www.nmwd.com

December 03, 2012

THERESA BANGART
230 REDHAWK RD
NOVATO, CA 94949-8002

BILL ADJUSTMENT

Customer Number: 1793102-7590

Service Address: 230 REDHAWK RD

<u>Abnormal Use:</u>	46,376 gal	Rate	Max gal	gal	*	\$/gal	=	Charge
		1	30,750	30,750	*	\$0.00516	=	\$158.67
		2	61,500	15,626	*	\$0.00737	=	\$115.16
		3		0	*	\$0.01177	=	\$0.00

Abnormal Usage Charge: \$273.83

<u>Normal Bill:</u>	2,244 gal	Rate	Max gal	gal	*	\$/gal	=	Charge
		1	30,750	2,244	*	\$0.00516	=	\$11.58
		2	61,500	0	*	\$0.00737	=	\$0.00
		3		0	*	\$0.01177	=	\$0.00

Excess Use: 44,132 gal Normal Usage Charge: \$11.58

<u>Credit Amount:</u>	Abnormal Use Charge	Normal Use Charge	Excess Use	1/2 Base Rate	
	\$273.83	-(\$11.58	+ 44,132 gal	* \$0.003) = \$148.39
	CREDIT AMOUNT:				\$148.39

ORIGINAL BILL AMOUNT:	\$298.83
CREDIT AMOUNT:	(\$148.39)
ADJUSTED BILL AMOUNT:	\$150.44

YOUR ADJUSTED BILL AMOUNT IS DUE BY: December 17, 2012.

(PLEASE SEE ATTACHED BILL ADJUSTMENT POLICY STATEMENT NO. 1)

NORTH MARIN WATER DISTRICT

POLICY: BILL ADJUSTMENT POLICY

POLICY NUMBER: 2

Original Date: February 7, 1967

Last Review: January 2, 2007

Adopted: January 2, 2007

ORIGINAL: February 7, 1967
REVISED: January 5, 1971, February 3, 1981,
April 6, 1993, March 7, 1995
April 18, 1995, January 3, 2006,
September 5, 2006
January 2, 2007

In the event water use (measured in 1,000 (thousand) gallon units) for the disputed bill is in excess of one and one-half times the normal seasonal bimonthly use as solely determined by the District and there is no evidence that the excess use of water was due to the willful act or the negligence of the consumer or the consumer's agent(s), the District will credit the consumer's account for one half of the difference between the dollar amount of the normal bill (calculated as normal seasonal bimonthly use at current commodity rates) and the dollar amount of the disputed bill, plus, to the extent the excess use was subject to a tier rate, half the use in excess of normal will be credited to the customer's account at the tier rate. In the event the excess use encompasses two consecutive bimonthly billing periods, such bi-period rate adjustment will be separately applied to each such billing period provided the water use in each bimonthly period exceeds one and one-half times the normal seasonal bimonthly use for said period as determined by the District. Consideration of an adjustment pursuant to this policy shall be allowed only once in any consecutive 24-month period. Consumers requesting a bill adjustment must allow District staff to complete a residential water use survey before any bill adjustment is given. The District General Manager may grant exemptions to this requirement should staff be unavailable to perform the survey in a timely manner.



NORTH MARIN
WATER DISTRICT

Water-Smart Home Survey

Customer Number

Indoor

Location	Showerhead	Provided	Faucet	Provided	Toilet	ULFT	Leak
Guest/half bath	gpm	<input type="checkbox"/>	1.5 gpm	<input type="checkbox"/>	L: W: F: E: 1.6 Total gpf	<input type="checkbox"/>	<input type="checkbox"/>
Kitchen	faucet gpm	<input type="checkbox"/>	1 gpm	<input type="checkbox"/>	L: W: F: E: gpf	<input type="checkbox"/>	<input type="checkbox"/>
showers/bath	2 gpm	<input type="checkbox"/>	1.5 gpm	<input type="checkbox"/>	L: W: F: E: 1.6 gpf	<input type="checkbox"/>	<input type="checkbox"/>
master bath	2 gpm	<input type="checkbox"/>	2.0 1.5 gpm	<input type="checkbox"/>	L: W: F: E: Total 1.6 gpf	<input type="checkbox"/>	<input type="checkbox"/>
	gpm	<input type="checkbox"/>	gpm	<input type="checkbox"/>	L: W: F: E: gpf	<input type="checkbox"/>	<input type="checkbox"/>

Toilet flush volume calculation: $[(L \times W \times (F - E)) / 231] + 0.5 =$ gallons per flush (gpf)
F and E are the water levels in the tank at full and empty, respectively. All measurements are in inches.
231 is the conversion factor for cubic inches to gallons. 0.5 is a half gallon buffer for error.

Clothes Washer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Water Softener	<input type="checkbox"/> Yes <input type="checkbox"/> No
Energy Star® Rated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Demand-Initiated Regeneration (DIR)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Average Daily Usage

Units: <input type="checkbox"/> hcf <input type="checkbox"/> gallons	Convert to gallons if readings are in hcf:
Date of last read: 11/9/12	748 x 1 usage = 748 gallons used
Days since last read: 24	
Current Meter Reading: 83.5	Gallons per Day (gpd) Usage
Last Meter Reading: 82	748 ÷ 24 = 31 gpd
Usage since last read: 1	

5-Minute Leak Check

Units: <input type="checkbox"/> hcf <input type="checkbox"/> gallons	Leak Rate in Gallons per Day (gpd)
End Read: No leak	215,568 (hcf) x or =
Start Read:	288 (gallons) Leakage gpd
Total Leakage:	



NORTH MARIN
WATER DISTRICT

Water-Smart Home Survey

Customer Number

Indoor			
Location	Showerhead	Faucet	ULFT
Guest/half bath	<input type="checkbox"/> gpm	<input type="checkbox"/> 1.5 gpm	<input type="checkbox"/> Toilet
Kitchen	<input type="checkbox"/> faucet gpm	<input type="checkbox"/> 1 gpm	<input type="checkbox"/> Toilet
Downstairs/bath	<input type="checkbox"/> 2 gpm	<input type="checkbox"/> 1.5 gpm	<input type="checkbox"/> Toilet
Master bath	<input type="checkbox"/> 2 gpm	<input type="checkbox"/> 1.5 gpm	<input type="checkbox"/> Toilet
	<input type="checkbox"/> gpm	<input type="checkbox"/> gpm	<input type="checkbox"/> Toilet

Toilet flush volume calculation: $[(L \times W \times (F - E)) / 231] + 0.5$ = gallons per flush (gpf)
F and E are the water levels in the tank at full and empty, respectively. All measurements are in inches.
231 is the conversion factor for cubic inches to gallons. 0.5 is a half gallon buffer for error.

Clothes Washer	<input type="checkbox"/> Yes <input type="checkbox"/> No	Water Softener	<input type="checkbox"/> Yes <input type="checkbox"/> No
Energy Star® Rated	<input type="checkbox"/> Yes <input type="checkbox"/> No	Demand-Initiated Regeneration (DIR)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Average Daily Usage	
Units: <input type="checkbox"/> hcf <input type="checkbox"/> gallons	Convert to gallons if readings are in hcf:
Date of last read: 11/9/12	$748 \times \frac{1}{\text{usage}} = \frac{748}{\text{gallons used}}$
Days since last read: 24	$\frac{748}{\text{gallons used}} = \frac{31}{\text{gpd}}$
Current Meter Reading: 83.5	Gallons per Day (gpd) Usage
Last Meter Reading: 82	
Usage since last read: 1	

5-Minute Leak Check	
Units: <input type="checkbox"/> hcf <input type="checkbox"/> gallons	Leak Rate in Gallons per Day (gpd)
End Read: No leak	$215,568 \text{ (hcf)} \times \text{or} =$
Start Read:	288 (gallons)
Total Leakage:	gpd

Meter History

Account: 1793102

Route: 7590

Meter: 43213022

Commodity Rate CSF

Name: THERESA BANGART

Status: ACTIVE

Service Address: 230 REDHAWK RD NOVATO, CA 94949-8002

Meter Number	Last Billed Date	Reader ID	Previous Reading Date	Current Reading Date	Current Reading Time	Previous Meter Reading	Current Meter Reading	Usage	Estimated Reading	Days Billed
43213022	11/22/2012	RIC	9/20/2012	11/9/2012	2:09:30 PM	20	82	62	N	50
43213022	9/27/2012	MIG	7/19/2012	9/20/2012	3:10:12 PM	17	20	3	N	63
43213022	7/26/2012	DAR	5/15/2012	7/19/2012	2:47:43 PM	14	17	3	N	65
43213022	5/24/2012	DAR	3/13/2012	5/15/2012	11:29:29 AM	10	14	4	N	63
43213022	3/22/2012	MIG	1/17/2012	3/13/2012	9:23:04 AM	7	10	3	N	56
43213022	1/26/2012	DAR	11/18/2011	1/17/2012	9:04:01 AM	3	7	4	N	60
43213022	11/23/2011	RIC	9/23/2011	11/18/2011	10:40:59 AM	0	3	3	N	56
88927681	11/23/2011		9/14/2011	9/23/2011		883	883	0	N	9
88927681	9/22/2011	DAR	7/20/2011	9/14/2011	8:49:02 AM	883	883	0	N	56
88927681	7/28/2011	RIC	5/17/2011	7/20/2011	11:11:28 AM	877	883	6	N	64
88927681	5/26/2011	MIG	3/17/2011	5/17/2011	3:06:42 PM	873	877	4	N	61
88927681	3/24/2011	RIC	1/18/2011	3/17/2011	9:20:55 AM	870	873	3	N	58
88927681	1/27/2011	DAR	11/16/2010	1/18/2011	2:02:07 PM	864	870	6	N	63
88927681	11/25/2010	MIG	9/14/2010	11/16/2010	3:08:48 PM	861	864	3	N	63
88927681	9/23/2010	DAR	7/13/2010	9/14/2010	2:25:57 PM	839	861	22	N	63
88927681	7/22/2010	MIG	5/18/2010	7/13/2010	10:58:53 AM	835	839	4	N	56
88927681	5/28/2010	DAR	3/17/2010	5/18/2010	1:56:47 PM	831	835	4	N	62
88927681	3/25/2010	RIC	1/25/2010	3/17/2010	8:35:08 AM	828	831	3	N	51
88927681	1/28/2010	DAR	11/18/2009	1/25/2010	11:17:53 AM	823	828	5	N	68
88927681	11/26/2009	MIG	9/12/2009	11/18/2009	3:58:00 PM	818	823	5	N	67
88927681	9/24/2009	DAR	7/8/2009	9/12/2009	3:36:59 PM	814	818	4	N	66
88927681	7/23/2009	MIG	5/5/2009	7/8/2009	10:46:09 AM	809	814	5	N	64
88927681	5/28/2009	RIC	3/5/2009	5/5/2009	11:07:55 AM	806	809	3	N	61
88927681	3/26/2009	DAR	1/5/2009	3/5/2009	9:02:41 AM	802	806	4	N	59
88927681	1/22/2009	RIC	11/6/2008	1/5/2009	3:53:49 PM	798	802	4	N	60
88927681	11/27/2008	MIG	9/8/2008	11/6/2008	2:24:31 PM	794	798	4	N	59
88927681	9/25/2008	DAR	7/10/2008	9/8/2008	9:14:12 AM	790	794	4	N	60
88927681	7/24/2008	MIG	5/12/2008	7/10/2008	11:02:17 AM	787	790	3	N	59
88927681	5/22/2008	DAR	3/13/2008	5/12/2008	9:00:46 AM	782	787	5	N	60
88927681	3/27/2008	RIC	1/14/2008	3/13/2008	10:30:34 AM	779	782	3	N	59

Meter Number	Last Billed Date	Reader ID	Previous Reading Date	Current Reading Date	Current Reading Time	Previous Meter Reading	Current Meter Reading	Usage	Estimated Reading	Days Billed
88927681	1/24/2008	DAR	11/12/2007	1/14/2008	8:46:28 AM	774	779	5	N	63
88927681	11/22/2007	DAR	9/14/2007	11/12/2007	8:34:42 AM	770	774	4	N	59
88927681	9/27/2007	MAR	7/16/2007	9/14/2007	3:08:11 PM	766	770	4	N	60
88927681	7/26/2007	RIC	5/17/2007	7/16/2007	12:13:13 PM	763	766	3	N	60
88927681	5/24/2007	DAR	3/19/2007	5/17/2007	3:12:43 PM	759	763	4	N	59
88927681	3/22/2007	RIC	1/18/2007	3/19/2007	3:09:32 PM	755	759	4	N	60
88927681	1/25/2007	DAR	11/17/2006	1/18/2007	10:17:21 AM	751	755	4	N	62
88927681	11/22/2006	RIC	9/21/2006	11/17/2006	3:13:33 PM	747	751	4	N	57
88927681	9/28/2006	MIG	7/20/2006	9/21/2006	2:47:10 PM	742	747	5	N	63
88927681	7/27/2006	RIC	5/18/2006	7/20/2006	10:14:36 AM	736	742	6	N	63
88927681	5/25/2006	RIC	3/17/2006	5/18/2006	10:12:08 AM	736	736	0	N	62
88927681	5/18/2006		3/17/2006	3/17/2006		738	736	-2	A	0
88927681	3/23/2006	KAT	1/19/2006	3/17/2006	3:37:24 PM	726	738	12	N	57
88927681	1/26/2006	RIC	11/18/2005	1/19/2006	4:24:05 PM	714	726	12	N	62
88927681	11/24/2005	RIC	9/14/2005	11/18/2005	10:34:13 AM	697	714	17	N	65
88927681	9/22/2005	MIG	7/21/2005	9/14/2005	4:19:52 PM	693	697	4	N	55
88927681	7/28/2005		5/24/2005	7/21/2005	11:52:32 AM	686	693	7	N	58
88927681	5/26/2005	DAR	3/21/2005	5/24/2005	9:16:11 AM	674	686	12	N	64
88927681	3/24/2005	RIC	1/22/2005	3/21/2005	1:58:43 PM	662	674	12	N	58
88927681	1/27/2005	DAR	11/18/2004	1/22/2005	12:32:30 PM	645	662	17	N	65
88927681	11/25/2004	RIC	9/16/2004	11/18/2004	12:40:50 PM	638	645	7	N	63
88927681	9/23/2004	DAR	7/15/2004	9/16/2004	10:54:32 AM	630	638	8	N	63
88927681	7/22/2004	IVA	5/21/2004	7/15/2004	11:14:12 AM	623	630	7	N	55
88927681	5/28/2004	RIC	3/19/2004	5/21/2004	10:31:49 AM	617	623	6	N	63
88927681	3/25/2004	RIC	1/22/2004	3/19/2004	11:05:59 AM	613	617	4	N	57
88927681	1/29/2004	RIC	11/18/2003	1/22/2004	3:13:17 PM	605	613	8	N	65

Billing History

Account: 1793102

Meter: 43213022

Name: THERESA BANGART

Status: ACTIVE

Service Address: 230 REDHAWK RD NOVATO, CA 94949-8002

Date Posted	Revenue	Description	Posted Amount	Payment Amount	Balance
12/3/2012	LA	BILL ADJUSTMENT	(\$148.39)		
11/22/2012	BAL	BALANCE			<u>\$298.83</u>
11/22/2012	RU01	WATER USAGE CHARGE	\$158.67		
11/22/2012	RU01	WATER USAGE CHARGE	\$115.16		
11/22/2012	MCNO	SERVICE CHARGE (Note A	\$25.00		
10/12/2012	PY01	PAYMENT		(\$36.58)	
9/27/2012	BAL	BALANCE			\$36.58
9/27/2012	RU01	WATER USAGE CHARGE	\$11.58		
9/27/2012	MCNO	SERVICE CHARGE (Note A	\$25.00		
8/14/2012	PY01	PAYMENT		(\$35.17)	
7/26/2012	BAL	BALANCE			\$35.17
7/26/2012	RU01	WATER USAGE CHARGE	\$2.67		
7/26/2012	RU01	WATER USAGE CHARGE	\$8.73		
7/26/2012	MCNO	SERVICE CHARGE (Note A	\$4.92		
7/26/2012	MCNO	SERVICE CHARGE (Note A	\$18.85		
6/11/2012	PY01	PAYMENT		(\$34.45)	
5/24/2012	BAL	BALANCE			\$34.45
5/24/2012	RU01	WATER USAGE CHARGE	\$14.45		
5/24/2012	MCNO	SERVICE CHARGE (Note A	\$20.00		
4/2/2012	PY01	PAYMENT		(\$30.84)	
3/22/2012	BAL	BALANCE			\$30.84
3/22/2012	RU01	WATER USAGE CHARGE	\$10.84		
3/22/2012	MCNO	SERVICE CHARGE (Note A	\$20.00		
2/7/2012	PY01	PAYMENT		(\$34.45)	
1/26/2012	BAL	BALANCE			\$34.45
1/26/2012	RU01	WATER USAGE CHARGE	\$14.45		
1/26/2012	MCNO	SERVICE CHARGE (Note A	\$20.00		
12/1/2011	PY01	PAYMENT		(\$30.84)	
11/23/2011	BAL	BALANCE			\$30.84
11/23/2011	RU01	WATER USAGE CHARGE	\$10.84		
11/23/2011	MCNO	SERVICE CHARGE (Note A	\$20.00		
10/3/2011	PY01	PAYMENT		(\$20.00)	
9/22/2011	BAL	BALANCE			\$20.00
9/22/2011	MCNO	SERVICE CHARGE (Note A	\$20.00		
8/10/2011	PY01	PAYMENT		(\$40.18)	
7/28/2011	BAL	BALANCE			\$40.18
7/28/2011	RU01	WATER USAGE CHARGE	\$4.47		
7/28/2011	RU01	WATER USAGE CHARGE	\$16.93		
7/28/2011	MCNO	SERVICE CHARGE (Note A	\$3.15		
7/28/2011	MCNO	SERVICE CHARGE (Note A	\$15.63		
6/7/2011	PY01	PAYMENT		(\$28.01)	
5/26/2011	BAL	BALANCE			\$28.01
5/26/2011	RU01	WATER USAGE CHARGE	\$13.61		
5/26/2011	MCNO	SERVICE CHARGE (Note A	\$14.40		
4/6/2011	PY01	PAYMENT		(\$24.61)	
3/24/2011	BAL	BALANCE			\$24.61
3/24/2011	RU01	WATER USAGE CHARGE	\$10.21		
3/24/2011	MCNO	SERVICE CHARGE (Note A	\$14.40		
2/9/2011	PY01	PAYMENT		(\$34.82)	
1/27/2011	BAL	BALANCE			\$34.82
1/27/2011	RU01	WATER USAGE CHARGE	\$20.42		

Date Posted	Revenue	Description	Posted Amount	Payment Amount	Balance
1/27/2011	MCNO	SERVICE CHARGE (Note A	\$14.40		
12/9/2010	PY01	PAYMENT		(\$24.61)	
11/25/2010	BAL	BALANCE			\$24.61
11/25/2010	RU01	WATER USAGE CHARGE	\$10.21		
11/25/2010	MCNO	SERVICE CHARGE (Note A	\$14.40		
11/2/2010	PY01	PAYMENT		(\$58.64)	
10/21/2010	LA	BILL ADJUSTMENT	(\$30.63)		
9/23/2010	BAL	BALANCE			<u>\$89.27</u>
9/23/2010	RU01	WATER USAGE CHARGE	\$74.87		
9/23/2010	MCNO	SERVICE CHARGE (Note A	\$14.40		
8/16/2010	PY01	PAYMENT		(\$27.48)	
7/22/2010	BAL	BALANCE			\$27.48
7/22/2010	RU01	WATER USAGE CHARGE	\$2.91		
7/22/2010	RU01	WATER USAGE CHARGE	\$10.45		
7/22/2010	MCNO	SERVICE CHARGE (Note A	\$3.06		
7/22/2010	MCNO	SERVICE CHARGE (Note A	\$11.06		
6/17/2010	PY01	PAYMENT		(\$25.71)	
5/28/2010	BAL	BALANCE			\$25.71
5/28/2010	RU01	WATER USAGE CHARGE	\$12.51		
5/28/2010	MCNO	SERVICE CHARGE (Note A	\$13.20		
4/12/2010	PY01	PAYMENT		(\$22.58)	
3/25/2010	BAL	BALANCE			\$22.58
3/25/2010	RU01	WATER USAGE CHARGE	\$9.38		
3/25/2010	MCNO	SERVICE CHARGE (Note A	\$13.20		
2/5/2010	PY01	PAYMENT		(\$28.83)	
1/28/2010	BAL	BALANCE			\$28.83
1/28/2010	RU01	WATER USAGE CHARGE	\$15.63		
1/28/2010	MCNO	SERVICE CHARGE (Note A	\$13.20		
12/8/2009	PY01	PAYMENT		(\$28.83)	
11/26/2009	BAL	BALANCE			\$28.83
11/26/2009	RU01	WATER USAGE CHARGE	\$15.63		
11/26/2009	MCNO	SERVICE CHARGE (Note A	\$13.20		
10/5/2009	PY01	PAYMENT		(\$25.71)	
9/24/2009	BAL	BALANCE			\$25.71
9/24/2009	RU01	WATER USAGE CHARGE	\$12.51		
9/24/2009	MCNO	SERVICE CHARGE (Note A	\$13.20		
8/4/2009	PY01	PAYMENT		(\$26.89)	
7/23/2009	BAL	BALANCE			\$26.89
7/23/2009	RU01	WATER USAGE CHARGE	\$5.30		
7/23/2009	RU01	WATER USAGE CHARGE	\$9.28		
7/23/2009	MCNO	SERVICE CHARGE (Note A	\$4.47		
7/23/2009	MCNO	SERVICE CHARGE (Note A	\$7.84		
6/10/2009	PY01	PAYMENT		(\$18.83)	
5/28/2009	BAL	BALANCE			\$18.83
5/28/2009	RU01	WATER USAGE CHARGE	\$7.83		
5/28/2009	MCNO	SERVICE CHARGE (Note A	\$11.00		
4/6/2009	PY01	PAYMENT		(\$21.44)	
3/26/2009	BAL	BALANCE			\$21.44
3/26/2009	RU01	WATER USAGE CHARGE	\$10.44		
3/26/2009	MCNO	SERVICE CHARGE (Note A	\$11.00		
2/4/2009	PY01	PAYMENT		(\$21.44)	
1/22/2009	BAL	BALANCE			\$21.44
1/22/2009	RU01	WATER USAGE CHARGE	\$10.44		
1/22/2009	MCNO	SERVICE CHARGE (Note A	\$11.00		
12/5/2008	PY01	PAYMENT		(\$21.44)	
11/27/2008	BAL	BALANCE			\$21.44

Date Posted	Revenue	Description	Posted Amount	Payment Amount	Balance
11/27/2008	RU01	WATER USAGE CHARGE	\$10.44		
11/27/2008	MCNO	SERVICE CHARGE (Note A	\$11.00		
10/7/2008	PY01	PAYMENT		(\$21.44)	
9/25/2008	BAL	BALANCE			\$21.44
9/25/2008	RU01	WATER USAGE CHARGE	\$10.44		
9/25/2008	MCNO	SERVICE CHARGE (Note A	\$11.00		
8/13/2008	PY01	PAYMENT		(\$17.05)	
7/24/2008	BAL	BALANCE			\$17.05
7/24/2008	RU01	WATER USAGE CHARGE	\$7.05		
7/24/2008	MCNO	SERVICE CHARGE (Note A	\$10.00		
6/4/2008	PY01	PAYMENT		(\$21.74)	
5/22/2008	BAL	BALANCE			\$21.74
5/22/2008	RU01	WATER USAGE CHARGE	\$11.74		
5/22/2008	MCNO	SERVICE CHARGE (Note A	\$10.00		
4/2/2008	PY01	PAYMENT		(\$17.05)	
3/27/2008	BAL	BALANCE			\$17.05
3/27/2008	RU01	WATER USAGE CHARGE	\$7.05		
3/27/2008	MCNO	SERVICE CHARGE (Note A	\$10.00		
2/13/2008	PY01	PAYMENT		(\$21.74)	
1/24/2008	BAL	BALANCE			\$21.74
1/24/2008	RU01	WATER USAGE CHARGE	\$11.74		
1/24/2008	MCNO	SERVICE CHARGE (Note A	\$10.00		
12/3/2007	PY01	PAYMENT		(\$19.39)	
11/22/2007	BAL	BALANCE			\$19.39
11/22/2007	RU01	WATER USAGE CHARGE	\$9.39		
11/22/2007	MCNO	SERVICE CHARGE (Note A	\$10.00		
10/5/2007	PY01	PAYMENT		(\$19.39)	
9/27/2007	BAL	BALANCE			\$19.39
9/27/2007	RU01	WATER USAGE CHARGE	\$9.39		
9/27/2007	MCNO	SERVICE CHARGE (Note A	\$10.00		
8/3/2007	PY01	PAYMENT		(\$17.05)	
7/26/2007	BAL	BALANCE			\$17.05
7/26/2007	RU01	WATER USAGE CHARGE	\$7.05		
7/26/2007	MCNO	SERVICE CHARGE (Note A	\$10.00		
6/4/2007	PY01	PAYMENT		(\$19.39)	
5/24/2007	BAL	BALANCE			\$19.39
5/24/2007	RU01	WATER USAGE CHARGE	\$9.39		
5/24/2007	MCNO	SERVICE CHARGE (Note A	\$10.00		
4/3/2007	PY01	PAYMENT		(\$19.39)	
3/22/2007	BAL	BALANCE			\$19.39
3/22/2007	RU01	WATER USAGE CHARGE	\$9.39		
3/22/2007	MCNO	SERVICE CHARGE (Note A	\$10.00		
2/2/2007	PY01	PAYMENT		(\$19.39)	
1/25/2007	BAL	BALANCE			\$19.39
1/25/2007	RU01	WATER USAGE CHARGE	\$9.39		
1/25/2007	MCNO	SERVICE CHARGE (Note A	\$10.00		
12/4/2006	PY01	PAYMENT		(\$19.40)	
11/22/2006	BAL	BALANCE			\$19.40
11/22/2006	RU01	WATER USAGE CHARGE	\$9.40		
11/22/2006	MCNO	SERVICE CHARGE (Note A	\$10.00		
10/26/2006	PY01	PAYMENT		(\$21.75)	
9/28/2006	BAL	BALANCE			\$21.75
9/28/2006	RU01	WATER USAGE CHARGE	\$11.75		
9/28/2006	MCNO	SERVICE CHARGE (Note A	\$10.00		
8/16/2006	PY01	PAYMENT		(\$23.80)	
7/27/2006	BAL	BALANCE			\$23.80

Date Posted	Revenue	Description	Posted Amount	Payment Amount	Balance
7/27/2006	RU01	WATER USAGE CHARGE	\$13.80		
7/27/2006	MCNO	SERVICE CHARGE (Note A	\$10.00		
6/6/2006	PY01	PAYMENT		(\$5.40)	
5/25/2006	BAL	BALANCE			\$5.40
5/25/2006	MCNO	SERVICE CHARGE (Note A	\$10.00		
5/18/2006	AP-RU01	WATER USAGE CHARGE	(\$4.60)		
4/4/2006	PY01	PAYMENT		(\$37.60)	
3/23/2006	BAL	BALANCE			\$37.60
3/23/2006	RU01	WATER USAGE CHARGE	\$27.60		
3/23/2006	MCNO	SERVICE CHARGE (Note A	\$10.00		
2/8/2006	PY01	PAYMENT		(\$37.60)	
1/26/2006	BAL	BALANCE			\$37.60
1/26/2006	RU01	WATER USAGE CHARGE	\$27.60		
1/26/2006	MCNO	SERVICE CHARGE (Note A	\$10.00		
12/8/2005	PY01	PAYMENT		(\$49.10)	
11/24/2005	BAL	BALANCE			\$49.10
11/24/2005	RU01	WATER USAGE CHARGE	\$39.10		
11/24/2005	MCNO	SERVICE CHARGE (Note A	\$10.00		
10/4/2005	PY01	PAYMENT		(\$19.20)	
9/22/2005	BAL	BALANCE			\$19.20
9/22/2005	RU01	WATER USAGE CHARGE	\$9.20		
9/22/2005	MCNO	SERVICE CHARGE (Note A	\$10.00		
8/9/2005	PY01	PAYMENT		(\$24.42)	
7/28/2005	BAL	BALANCE			\$24.42
7/28/2005	RU01	WATER USAGE CHARGE	\$14.42		
7/28/2005	MCNO	SERVICE CHARGE (Note A	\$10.00		
6/8/2005	PY01	PAYMENT		(\$34.72)	
5/26/2005	BAL	BALANCE			\$34.72
5/26/2005	RU01	WATER USAGE CHARGE	\$24.72		
5/26/2005	MCNO	SERVICE CHARGE (Note A	\$10.00		
4/6/2005	PY01	PAYMENT		(\$34.72)	
3/24/2005	BAL	BALANCE			\$34.72
3/24/2005	RU01	WATER USAGE CHARGE	\$24.72		
3/24/2005	MCNO	SERVICE CHARGE (Note A	\$10.00		
2/16/2005	PY01	PAYMENT		(\$45.02)	
1/27/2005	BAL	BALANCE			\$45.02
1/27/2005	RU01	WATER USAGE CHARGE	\$35.02		
1/27/2005	MCNO	SERVICE CHARGE (Note A	\$10.00		
12/7/2004	PY01	PAYMENT		(\$24.42)	
11/25/2004	BAL	BALANCE			\$24.42
11/25/2004	RU01	WATER USAGE CHARGE	\$14.42		
11/25/2004	MCNO	SERVICE CHARGE (Note A	\$10.00		
10/6/2004	PY01	PAYMENT		(\$26.48)	
9/23/2004	BAL	BALANCE			\$26.48
9/23/2004	RU01	WATER USAGE CHARGE	\$16.48		
9/23/2004	MCNO	SERVICE CHARGE (Note A	\$10.00		
8/3/2004	PY01	PAYMENT		(\$20.90)	
7/22/2004	BAL	BALANCE			\$20.90
7/22/2004	RU01	WATER USAGE CHARGE	\$11.90		
7/22/2004	MCNO	SERVICE CHARGE (Note A	\$9.00		
6/11/2004	PY01	PAYMENT		(\$19.20)	
5/28/2004	BAL	BALANCE			\$19.20
5/28/2004	RU01	WATER USAGE CHARGE	\$10.20		
5/28/2004	MCNO	SERVICE CHARGE (Note A	\$9.00		
4/7/2004	PY01	PAYMENT		(\$15.80)	
3/25/2004	BAL	BALANCE			\$15.80

Date Posted	Revenue	Description	Posted Amount	Payment Amount	Balance
3/25/2004	RU01	WATER USAGE CHARGE	\$6.80		
3/25/2004	MCNO	SERVICE CHARGE (Note A	\$9.00		
2/12/2004	PY01	PAYMENT		(\$22.60)	
1/29/2004	BAL	BALANCE			\$22.60
1/29/2004	RU01	WATER USAGE CHARGE	\$13.60		
1/29/2004	MCNO	SERVICE CHARGE (Note A	\$9.00		

MEMORANDUM

To: Board of Directors January 11, 2013

From: Drew McIntyre, Chief Engineer 
Carmela Chandrasekera, Associate Engineer 

Re: Recycled Water North/South Service Areas – On-Site Retrofit Construction Project
(Group 2) – Approve Bid Advertisement

R:\Folders by Job No\6000 jobs\6055\BOD memos\6055 Retrofit Group2 memo bid advertisement 1-11-2013.doc

RECOMMENDED ACTION: Board Authorize Bid Advertisement of the Recycled Water North / South Service Areas – On-Site Retrofit Construction Project (Group 2)

FINANCIAL IMPACT: \$315,000 (included in current Recycled Water North / South cost estimates)

Background

The Recycled Water North / South Service Areas On-site Retrofit Construction Project (Group 2) consists of on-site retrofits to convert seventeen (17) customer sites from current potable water use for irrigation to recycled water use (see Attachment 1 for a map of the sites). HydroScience Engineers and Russell D. Mitchell and Associates (RMA) have designed the retrofits per state regulations and NMWD standards for the Group 2 project. The District staff has also obtained California Department of Public Health approvals for these designs and is ready to move forward to the bid phase for the Group 2 project.

With completion of the Group 2 retrofit project, all sites identified in the respective North and South Service Area SRF Loan applications will be completed except for five sites (2- North and 3 South). These five sites have site specific issues that require more time to confirm their cost effectiveness. Once confirmed, it is anticipated that these future sites would be retrofitted at a later time, possibly using District forces.

The following project schedule identifies key dates including the proposed bid advertising date.

SCHEDULE

Advertise Project	January 25, 2013
Plans & Specs available	January 28, 2013
Pre-Bid Meeting	February 14, 2013
Bid Opening	February 26, 2013
Board Authorization of Award (tentative)	March 19, 2013
Notice of Award (tentative)	March 20, 2013
Notice to Proceed	April 1, 2013
Construction Complete	June 30, 2013

Project Description and Costs

The Group 2 Retrofit Construction project includes seventeen (17) sites; four (4) sites in the North Service Area and thirteen (13) sites in the South Service Area for retrofit.

The North Service Area sites include NOVA RO III (31 Pinheiro Circle), City of Novato small park/median (2 Elmwood Ct), Olive Gardens HOA (735 Olive Avenue) and City of Novato medians (7472 Redwood Blvd., 7588 Redwood Blvd., and 2 Ranch Drive).

South Area sites are: Meadow Park HOA (seven sites; 9 Kelly Drive, 37 Kelly Ct, 928 Bolling Circle, 930 Bolling Circle, 933 Bolling Circle, 20 and 80 Captain Nurse Circle), Hamilton Park HOA (1 Gann Way), Hamilton Marin Office Building (676 Hangar Ave), Hangar Avenue Office Buildings (10 Hamilton Landing), Novato Senior Village (410 South Palm Drive), 146 Alconbury Way and Lanham Village (60 Lovejoy Way).

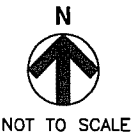
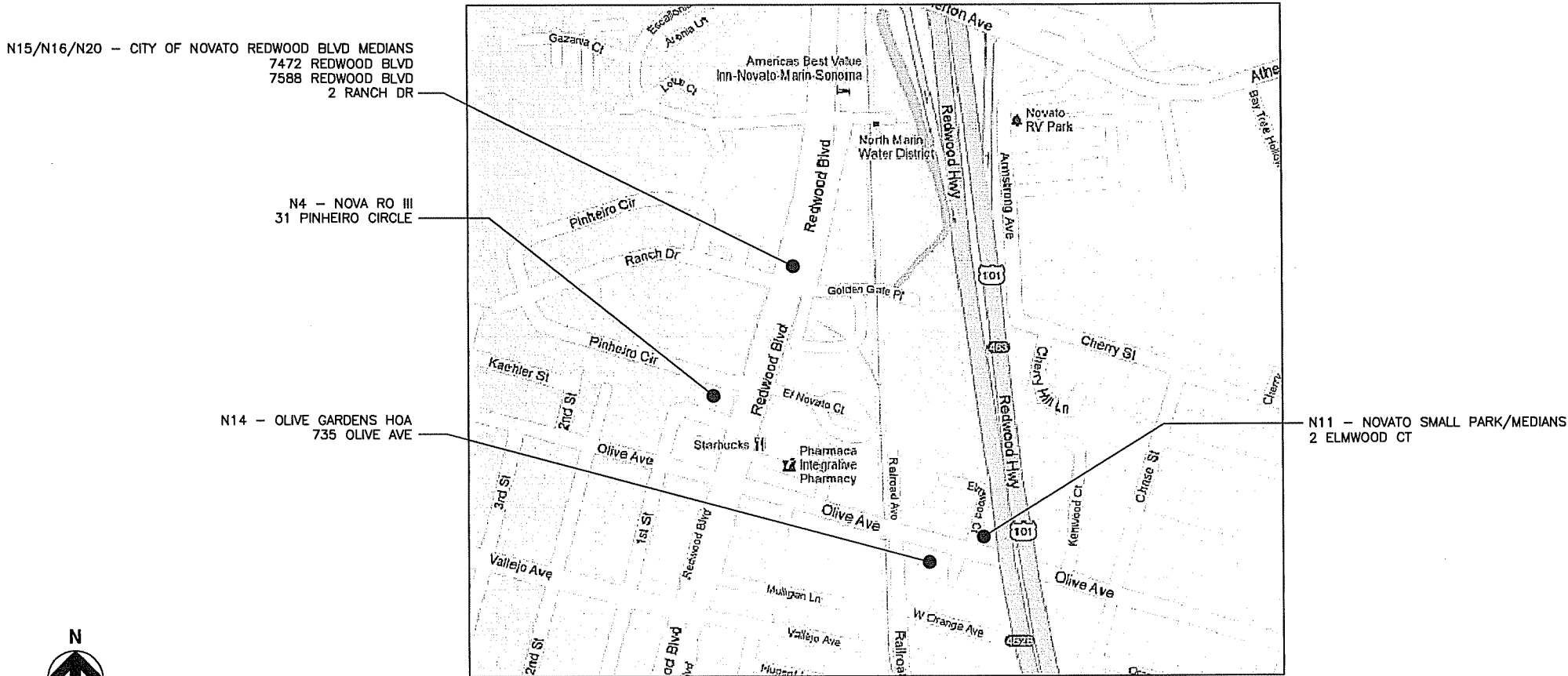
The contractors' work includes disconnecting the customer irrigation system from the potable water meter, installation of new piping from the recycled water meter to the irrigation system connection points, installation of backflow prevention devices, signage, markers and tagging that identify the potable and recycled water appurtenances and other tasks as specified in the design drawings.

The engineering construction cost estimate of Group 2 Retrofit Construction project is \$315,000 and will be District funded. This estimate will be updated again as soon as bids are received.

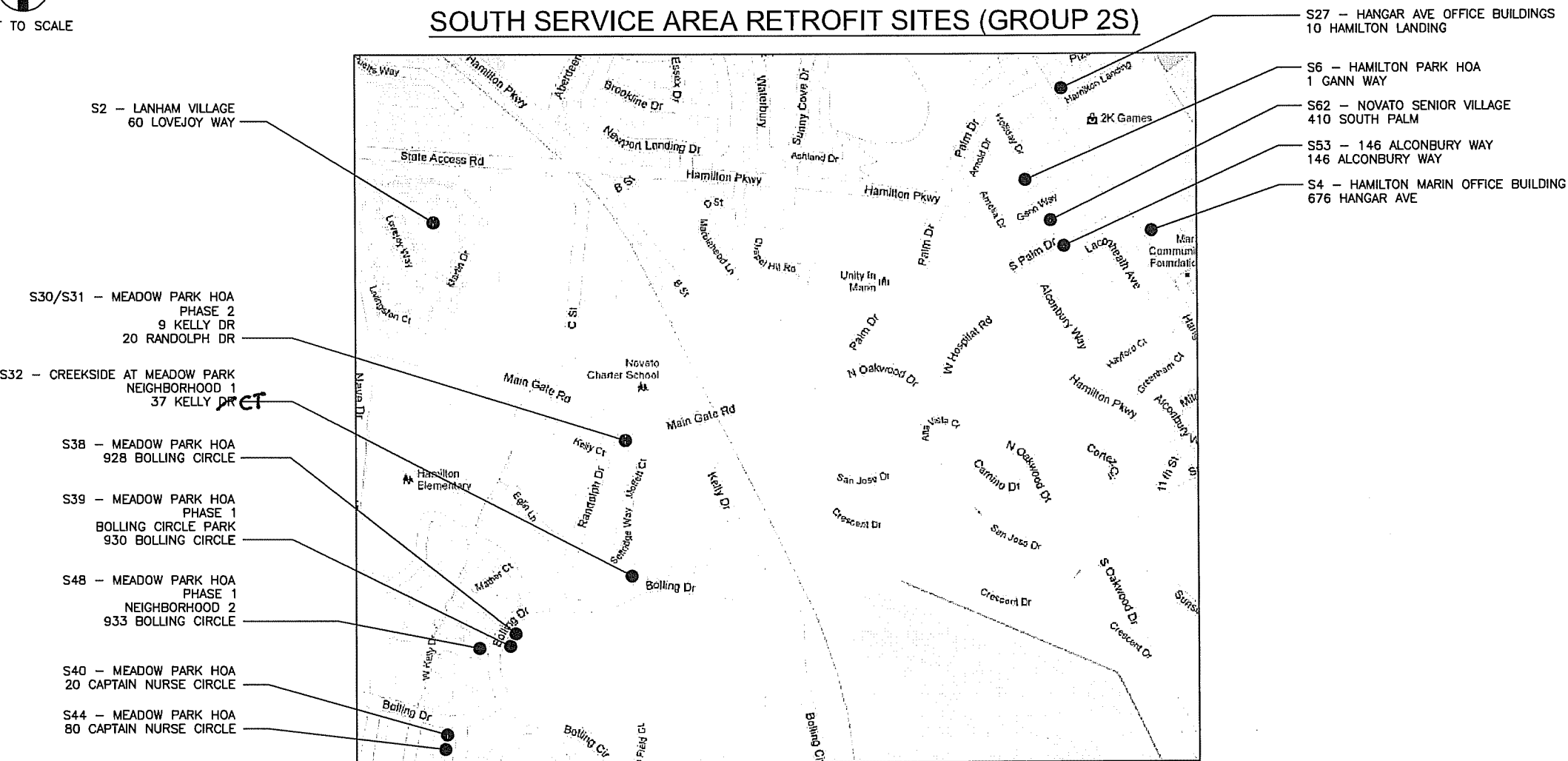
RECOMMENDATION

Board authorize bid advertisement of the Recycled Water North / South Service Areas – On-Site Retrofit Construction Project (Group 2).

NORTH SERVICE AREA RETROFIT SITES (GROUP 2)



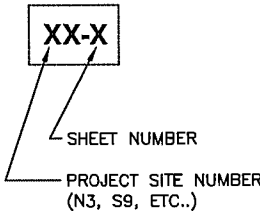
SOUTH SERVICE AREA RETROFIT SITES (GROUP 2S)





SECTION AND DETAIL NUMBERING SYSTEM:

- 1) SECTION CUT ON DWG N1
- 2) ON DWG N1 THIS SECTION IS IDENTIFIED AS
- 3) DETAILS ARE CROSS-REFERENCED IN A SIMILAR MANNER, EXCEPT THAT DETAILS ARE IDENTIFIED BY LETTER RATHER THAN NUMBER.

RETROFIT SITE SHEET NUMBERING SYSTEM:



RECYCLED WATER ONSITE RETROFIT CONSTRUCTION PROJECT									
NORTH SERVICE AREA (GROUP 2)									
SOUTH SERVICE AREA (GROUP 2S)									
 NORTH MARIN WATER DISTRICT					<i>Russell D. Mitchell Associates, Inc.</i> 2760 Camino Diablo Walnut Creek, CA 94597 tel 925.939.3985 ♦ fax 925.932.5671 www.nmairrigation.com				
	X/XX/XX	ISSUED FOR XXXX						XX	XX
NO.	DATE	REVISION						BY	APP
NORTH MARIN WATER DISTRICT NOVATO, CALIFORNIA									
GENERAL SITE PLAN AND DRAWING LIST									
DES	DR	CH	SCALE : AS NOTED						
CM	LB		DATE : JANUARY 15, 2013						
APPROVED: CHIEF ENGINEER			SHEET NO.	: 2 OF XX			SHEETS		
R.E. C40936			SERVICE AREA	JOB.NO. 5.6057.00			NO. RG2		

MEMORANDUM

To: Board of Directors
From: Drew McIntyre, Chief Engineer 
Subject: Approve: Change Order No. 5 - Environmental Science Associates (ESA)
for Permitting and Mitigation Monitoring Services (Recycled Water Expansion)
\\nmwdsrv1\engineering\Folders by Job No\7000 jobs\7127\ESA RW CEQA Work\Board Memos\7127 ESA Change Order No. 5 BOD MEMO 1-11.docx

January 11, 2013

RECOMMENDED ACTION: The Board authorize the General Manager to execute Change Order No. 5 to ESA to perform additional Recycled Water Expansion CEQA permitting and construction monitoring services in the amount of \$36,600

FINANCIAL IMPACT: \$36,600 increase (included in current \$7.7M Recycled Water South Service Area Cost Estimate)

Background

At the July 20, 2010 meeting, the Board was advised that the District was entering into an agreement with ESA to prepare an addendum to ESA's original North Bay Water Reuse Authority (NBWRA) Environmental Impact Report (EIR) for the Novato North Service Area State Revolving Fund (SRF) loan application. The amount of ESA's original contract for the North Service Area addendum was not to exceed \$20,000. At the December 7, 2010 meeting, the Board approved Change Order No. 1 to ESA to perform additional CEQA and permit related tasks for both the North and the South Service Area Recycled Water. With the approval of Change Order No. 1, \$5,000 of additional fees were added to the North Service Area for a total of estimated North Service Area costs of \$25,000 and \$30,000 was allocated for the South Service Area addendum preparation and permitting tasks. The total authorized ESA contract ceiling limit after Change Order No. 1 was \$55,000.

At the July 23, 2011 meeting, the Board approved Change Order No. 2 for \$35,000 to perform optional South Service Area permitting tasks not originally authorized by Change Order No. 1. Change Order No. 2 was prepared after the South Service Area project had progressed from a conceptual level to final detail design level. As a result, the permitting requirements were better defined and more extensive than what had been originally authorized by Change Order No. 1 in December 2010. At the December 20, 2011 meeting, the Board approved Change Order No. 3 for \$20,000 to perform additional permitting related services for the South Service Area. At the August 7, 2012 meeting, the Board authorized Change Order No.4 to ESA for South Area Phase 1a and 1b, construction monitoring services for an estimated cost of \$38,900. A tabulation of historical change orders is provided in Table 1.

Table 1

	Date	Description	Amount	Total
Original Contract	July 20, 2010	To prepare an addendum to ESA's original NBWRA EIR for the Novato North Service Area State Revolving Fund loan application.	\$20,000	\$20,000
Change Order No.				
1	December 7, 2010	To perform additional CEQA and permit related tasks for both the North and South Service Area Recycled Water	\$35,000	\$55,000
2	July 23, 2011	To perform optional So. Service Area permitting tasks not originally authorized by CO #1	\$35,000	\$90,000
3	December 20, 2011	Additional environmental analysis for the revised Reservoir Hill Tank water inlet pipeline alignment and tank overflow line	\$20,000	\$110,000
4	August 7, 2012	Recycled Water South Construction Monitoring Costs, Phases 1a, 1b and 2.	\$38,900	\$148,900
5	(NEW)	To perform post construction mitigation monitoring for Ph 1a and misc. support for PH 1b and On-site Retrofit work.	\$36,600	\$185,500
TOTAL				\$185,500

Change Order No. 5

ESA's scope of work including a tabulation of ESA's estimated expenditures for: (1) three year revegetation monitoring services for Phase 1a (\$32,725), (2) CA Fish and Game Stream Bed Alteration Agreement extension (\$1,620) and (3) miscellaneous onsite retrofit services (\$2,255) is provided in Attachment 1. Although the cost of Change Order No. 5's mitigation monitoring services is greater than the initial \$30,000 estimated, there are sufficient funds in the \$7.7M project to cover these costs. It is anticipated that this is the last change order required to complete the project's environmental requirements.

RECOMMENDATION

The Board authorize the General Manager to execute Change Order No. 5 to ESA to perform additional Recycled Water Expansion CEQA permitting and mitigation monitoring services in the amount of \$36,600.



1425 N. McDowell Boulevard
Suite 200
Petaluma, CA 94954
707.795.0900 phone
707.795.0902 fax

www.esassoc.com

December 28, 2012

Drew McIntyre
David Jackson
North Marin Water District
99 Rush Creek Place
Novato, CA 94945

**Subject: Proposal to Provide Mitigation Monitoring Program Services: North Marin Water District
North Bay Water Recycling Program (NBWRP) South Service Area Phase 1a; Onsite Retrofit
Project – Fireman’s Fund Campus**

Dear Drew and Dave:

This letter is intended to provide additional information for your review and consideration regarding Environmental Science Associates’ (ESA) scope of work for Mitigation Monitoring Program services for the North Bay Water Recycling Program Novato South Service Area (Hamilton Field) Project, Phase 1a, 1b, and 2. ESA presented this information as an “optional” task in the scope of work submitted to the District in August 2012. Under Change Order No. 4 (NMWD Job No. 56056.11), dated August 8, 2012, ESA was authorized to complete construction monitoring services for the above listed Phases; at that time, the District deferred authorization of the Mitigation Monitoring Program services to a more appropriate later date. Based on project status and our subsequent discussions, the timing is ripe for implementation of these services. As such, ESA is submitting this request to authorize this optional task to conduct Mitigation Monitoring Program services. As previously identified, Mitigation Monitoring Program services would be specific to Phase 1a, and include regulatory coordination, baseline monitoring, and three years of annual monitoring. ESA would like to refine our level of effort to accommodate other the following modified scope items that address work completed beyond the original scope of Phase 1a task line items: 1) revegetation planning, and 2) final site walk/recommendations.

ESA also respectfully submits for District review several tasks completed for the Onsite Retrofit Project at the Fireman’s Fund site. ESA provided “on-call” environmental services for this project under the remaining budget from the North Construction Monitoring Contract (NMWD Job No. 57127.00). Upon completion of this contract, ESA continued to respond to District requests for environmental services for design and pre-construction support, and contractor change order support, as described in additional detail in the enclosed scope. ESA is mindful of these incremental costs to the District, and as such, has removed the standard communication fee from the Mitigation Monitoring Program cost estimate to accommodate the proposed labor charges.

ESA appreciates the opportunity to continue to provide environmental services in support of North Marin Water District and NBWRA Member Agencies, and looks forward to the successful implementation of this project. If you have any questions, please contact either myself at 707-795-0904, or Katie Baker at (707) 795-0950.

Sincerely,

James E. O'Toole
Vice President, Deputy Water Practice Leader



NMWD
December 28, 2012
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Phase 1a

Task 1.5: Mitigation Monitoring Program – Long-term Vegetation Monitoring

This scope of work includes revegetation planning, final site review and recommendations, agency coordination, vegetation monitoring, and report preparation, to support compliance with RWQCB Water Quality Certification Special Condition No. 2 for restoration of temporary wetland impacts, and EIR/EIS Mitigation Measure 3.14.1 for upland habitat. The scope of tasks is based on information provided in the *Upland Restoration Plan* and *Wetland Mitigation and Monitoring Program* documents submitted to NMWD and RWQCB in March 2011. This scope assumes (1) no permanent wetland impacts occurred at stream crossings; (2) careful attention to weed control in the first year would be sufficient to manage noxious weeds; (3) mitigation requirements will be achieved in 3 years. ESA staff has extensive experience in conducting this scale of restoration program, and would ensure continuity in coordinating with NMWD and regulatory staff, understanding of permit and EIR/EIS conditions, and successful implementation of the Mitigation Monitoring Plan.

Subtask 1.5.1: Revegetation Planning (Modified Task)

In August 2012, NMWD/URS requested ESA's assistance with mapping post-construction disturbance areas for revegetation, including upland hydroseeding, upland scrub plantings, and wetland plantings. Areas to be revegetated via upland hydroseeding would be mapped and provided to the pipeline contractor Maggiora and Ghilotti, Inc., for execution according to their contracted responsibilities. Contract documents assumed a generic hydroseed mix of Marin County native upland species (Submittal #34, Hydroseed Mix). However the land owner operates a certified organic farm (designated as Farmland of Local Importance). As such, uplands revegetated via hydroseeding needed to meet stringent requirements within a 30-foot buffer zone of active and fallow fields in order to maintain organic certification. ESA visited the site with URS to identify adjacent Farmland of Local Importance and to map the extent of construction disturbance relative to important farmland areas. ESA and URS consulted with the farmer, Neil Carstensen, to identify the appropriate certified seed type, a certified supplier, and the specific areas and method of application. ESA provided URS with a set of maps depicting post-construction disturbance and upland hydroseeding areas, and identifying zones for no hydroseeding, generic hydroseeding, and certified organic hydroseeding.

Subtask 1.5.2: Final Site Walk and Recommendations (Modified Task)

On November 27, 2012, ESA staff surveyed the Phase 1a and Phase 1b project area. ESA prepared a technical memorandum to document observations and provided recommendations to inform final project reporting and restoration implementation relative to CEQA mitigation requirements and permitted environmental resources. Based on site conditions, ESA anticipates some additional coordination with the District and URS to address site restoration for Phase 1a.



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December 28, 2012
Page 3

Subtask 1.5.3: Regulatory Coordination

ESA assumes 4 hours for coordination with RWQCB to address issues or questions associated with the proposed Wetland Mitigation Monitoring Plan (MMP). ESA has established a working relationship with RWQCB staff on this project and will continue to engage RWQCB throughout the process.

Subtask 1.5.4: Year 0 Baseline Assessment

ESA assumes that the District will contract a separate qualified landscape firm with experience in restoration design and implementation to complete the planting. ESA is available to assist the District in identification of potential landscape firms. ESA's restoration monitor will assess post-construction vegetation conditions; results will be developed as part of the As-Built Report (MMP Section 2.6.1). Monitoring will be implemented in accordance with the MMP Section 2.5.2. Field assessment will include establishment of photo points, vegetation transects, and a written report. This scope includes 16 hours for field survey and 16 hours for results analysis and report preparation.

Subtask 1.5.5: Year 1 Annual Monitoring

ESA's restoration monitor will provide annual monitoring in accordance with the Mitigation and Monitoring Plan, Section 2.5.3. ESA will document wet (April or May) and dry (July or August) season conditions and assess vegetative cover. In accordance with the MMP, ESA will conduct quarterly field visits to assess invasive plant infestations (February, April/May, July/August, November) to determine if species are colonizing and affecting performance of planted native species. This scope estimates 68 hours for field survey and 36 hours for results analysis and report preparation. The report will be prepared in accordance with MMP Section 2.6.2 and will present status of performance goals established in MMP Section 2.4.

Subtask 1.5.6: Year 2 Annual Monitoring

During the second year following restoration, two 8-hour field surveys will be conducted in late spring (April or May). This scope estimates 24 hours for results analysis and report preparation. The report will be prepared in accordance with MMP Section 2.6.2 and will present status of performance goals established in MMP Section 2.4.

Subtask 1.5.7: Year 3 Annual Monitoring

During the second year following restoration, two 8-hour field surveys will be conducted in late spring (April or May). This scope estimates 24 hours for results analysis and final report preparation. The report will be prepared in accordance with MMP Section 2.6.2 and will present status of performance goals established in MMP Section 2.4.

Deliverables: Baseline Survey/As-Built Report; three annual monitoring reports.

Schedule: Two weeks following final restoration planting; and annual monitoring.



NMWD
December 28, 2012
Page 4

Phase 2

Task 2 Permitting Support – CDFG LSAA Extension

ESA prepared Request for Extension for the Lake and Streambed Alteration Agreement No. 1600-2011-0280-R3. The Extension was granted in December 2012. This scope provides for preparation of the request, coordination with CDFG, and the permit filing fees.

Deliverables: Request for Extension letter, form, and figures; Extension Agreement.
Schedule: Prior to existing LSAA expiration of December 31, 2012.

Onsite Retrofit Project, Fireman's Fund

Task 3 Modified Construction Support Services

Over the course of the NBWRA Program, ESA has consulted with the District on several matters for the Onsite Retrofit project at the Fireman's Fund site. ESA's Construction Monitoring scope for the North Service area, Segment 2, accommodated the majority of the work related to Fireman's Fund, including:

1. **Design Support:** ESA was consulted regarding potential wetland presence and associated permitting implications at the Fireman's Fund site. ESA reviewed the original wetland delineation (prepared by WSA) and conducted site reconnaissance to prepare a Technical Memorandum that characterized existing site conditions and permitting recommendations to support project design (August 2011)
2. **Pre-construction Support:** Based on the wetland constraints identified in the August 2011 Technical Memorandum, NMWD requested an ESA biologist stake in the field the boundary of wetlands prior to construction (July 2012).

ESA also assisted with **Construction Change Order Support:** At the onset of construction, the contractor (Ashlin Pacific) submitted a change request to NMWD to re-route the pipeline to avoid utilities in the roadway. NMWD consulted with ESA to determine whether this change was acceptable relative to environmental considerations. NMWD requested that ESA: 1) conduct site reconnaissance to confirm the revised alignment would not conflict with the wetlands identified in the WSA wetland delineation (described in the August 2011 Technical Memorandum), and 2) conduct a surface cultural resources survey.



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December 28, 2012
Page 5

ESA prepared a Technical Memorandum with an emphasis on separating the Onsite Retrofit Projects from the larger NBWRA Program to substantiate that since this pipeline was not addressed in the North Bay Water Recycling Program EIR/EIS, and the pipeline would be separately funded (i.e. no federal Title 16 funding), no additional Section 106 consultation under the Program was necessary. Upon discussion with NMWD, it was determined that a Notice of Exemption may be necessary for this pipeline. ESA prepared a technical memorandum that described ESA's field reconnaissance and provided the rationale for a Class 2(c) categorical exemption under CEQA, as well as a Notice of Exemption form to file the exemption. The District's process for this project did not end ultimately require a discretionary action, as such, the Technical Memorandum provided coverage to demonstrate that the District did its due diligence on considering the design changes.

Deliverables: Notice of Exemption; Technical Memorandum for CEQA Documentation.


Schedule: Prior to construction.

TABLE 1: NMWD South Service Area Mitigation Monitoring Program Modified Cost Estimate
ESA Labor Detail and Expense Summary

Task Number / Description	O'Toole		Lowe	Koening Archaeologist (Sr Assoc II)	Dvorak Biologist (Sr Assoc 1)	Baker	Jackel	Danielson	Steer	Pennington	Total	
	Dir I										Hours	Labor Price
Hourly Billing Rate	\$200	\$160	\$135	\$125	\$120	\$110	\$100	\$90	\$85			
1 Phase 1a												
1.5 Mitigation Monitoring Program		1		15.5	3.5				1		21	\$ 2,608
1.5.1 Revegetation Planning	10.5				14						25	\$ 3,780
1.5.2 Final Site Walk and Recommendations	4										4	\$ 800
1.5.3 Regulatory Coordination	2			28	2						32	\$ 4,140
1.5.4 Year 0 Baseline Monitoring	2			100	2						104	\$ 13,140
1.5.5 Year 1 Annual Monitoring	2			36	2						40	\$ 5,140
1.5.6 Year 2 Annual Monitoring	2			36	2						13	\$ 1,365
1.5.7 Year 3 Annual Monitoring	2				8				4.5		16	\$ 2,255
2 Phase 2 Permitting	4			5	6.5							
3 Onsite Retrofit Project - Fireman's Fund Site												
Total Hours	27	1	5	216	40	-	-	-	6	-	233	
Subtotals - Labor Costs	\$ 5,300	\$ 160	\$ 675	\$ 26,938	\$ 4,800	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 36,113
ESA Labor Costs												\$ 36,113
ESA Non-Labor Expenses												
Reimbursable Expenses (Mileage)												\$ 200
Permit Fees (CDFG LSAA Extension)												\$ 255
Subtotal ESA Non-Labor Expenses												\$ 455
TOTAL PROJECT COST												\$ 36,568

MEMORANDUM

To: Board of Directors January 11, 2013

From: Drew McIntyre, Chief Engineer
David Jackson, Associate Engineer 

Subject: Notice of Completion for Recycled Water Expansion South Service Area
Phase 1a Project (Maggiora and Ghilotti, Inc.)

R:\Folders by Job No\6000 jobs\6056\Board Memos\6056.11 Phase 1a Notice of Completion BOD memo.docx

RECOMMENDED ACTION: Authorize the General Manager to execute and file a Notice of Completion for the Recycled Water Expansion South Service Area Phase 1a project.

FINANCIAL IMPACT: None

Pursuant to and in conformance with contract requirements for the Recycled Water Expansion South Service Area Phase 1a project, the contractor (Maggiora and Ghilotti, Inc.) has fulfilled their obligations under the contract. Corrections of all work deficiencies and punch list items have been completed. All work performed by Maggiora and Ghilotti, Inc. (M&G) has been inspected by District staff, construction manager (URS Corp.), consultants (Miller Pacific Engineering and Environmental Science Associates), the County of Marin and the City of Novato. M&G's work was completed on October 30, 2012.

Per the Contract Documents, M&G has furnished written notice that the work is complete and that all subcontractors and equipment suppliers have been paid (**see Attachment A**). M&G has released the District of all claims. A Notice of Completion is provided as **Attachment B** which, if approved, will be filed with Marin County on January 17, 2013. Final payment (for monies held in retention) in the amount of \$66,685 will be processed for release on or about February 18, 2013 subject to absence of any claims filed during the 30-day notice period. The final payment amount includes \$4,000 which shall be held until proof of payment is received for Davis-Bacon Wage rate issues. M&G unintentionally underpaid fringe benefits during a portion of the contract and they are in the process of correcting the underpayments.

Project Cost Summary

The project cost summary as of October 1, 2012 is provided as **Attachment C**. The Board approved the award of the contract with M&G for \$884,488 with a contingency of \$44,224 (5% of contract value).

Additive change orders were executed for \$8,500, and included unforeseen underground obstructions and relocation of a fire hydrant. The deductive Change Order No. 5 (-\$12,200) eliminated the 6-inch lateral under the SMART Right of Way on CYO property, at the request of SMART.

The final Phase 1a expenditures of \$880,793 is \$3,695 less than the original contract amount (none of the contingency was required). These costs are primarily covered by the committed American Recovery and Reinvestment (ARRA) and WaterSMART grants and SRF loans.

RECOMMENDATION

Authorize the General Manager to execute and file a Notice of Completion for the Recycled Water Expansion South Service Area – Phase 1a project.

CONDITIONAL WAIVER
RELEASE AND CERTIFICATE OF FINAL PAYMENT

TO: North Marin Water District (District)

JOB: 5.6056.11
CONTRACT DATED: April 12, 2012

CONTRACTOR:

Name: Maggiora & Ghilotti Inc.
Address: 555 Dubois Street, San Rafael, CA 94901

DESCRIPTION OF PROJECT: The work of this project includes: installation of 195 LF 12" welded steel pipeline, 9,559 LF 12" PVC pipeline, and 120 LF 6" PVC pipeline, between the Las Gallinas Valley Sanitary District and Bolling Circle, Novato, total 9,874 LF recycled water line including all appurtenances thereto and all restorations.

DESCRIPTION OF SITE (LOCATION): From Las Gallinas Valley Sanitary District treatment plant north along the Miller Creek levee, then along the east alignment of the SMART right of way, crossing to Bolling Circle, Novato.

With reference to said contract, as amended, between the undersigned contractor and the District, the undersigned hereby certifies and represents that it has made full payment of all costs, charges and expenses incurred by it or on its behalf for work, labor, services, materials and equipment supplied to the foregoing site and/or used in connection with its work under said contract.

The undersigned further certifies that to its best knowledge and belief, each of its subcontractors and materialmen has made full payment of all costs, charges and expenses incurred by them or on their behalf for work, labor, services, materials and equipment supplied to the foregoing site and/or used by them in connection with the undersigned's work under said contract.

In consideration of the sum of **\$66,685.54**, less adjustment noted below, as final payment under the contract to be received hereafter within a reasonable time, the undersigned, upon receipt of such final payment, waives and releases and forever discharges the District and the site and property from all claims, stop notices and obligations of every nature arising out of or in connection with the performance of said contract by the undersigned and all amendments thereto except as set forth below.

1. There are outstanding labor wage-rate compliance issues that need to be resolved. Refer to URS Letter No. 02 to Maggiora and Ghilotti for the specifics of these compliance issues. An amount of \$4,000 will be withheld from the Final Payment. The balance of the withheld amount, subject to resolution of penalties, if any, or other such cost for resolution, will be released when all labor compliance items are satisfactorily complete.

(Note: If none, write "NONE" in space above. If the space above is left blank, it is interpreted that "NONE" is claimed. Any claims excepted must be described and the specific amount claimed must be set forth.)

Unless any claims, stop notices, and obligations are described and the specific amounts claimed, are described in the space above, contractor certifies that there are none.

As additional consideration for the final payment the contractor agrees to indemnify and hold harmless the District from and against all costs, losses, damages, claims, causes of action, judgments and expenses, including attorney's fees arising out of or in connection with claims against the District which claims arise out of the performance of the work under the contract and which may be asserted by the contractor or any of its suppliers, subcontractors of any tier or any of their representatives, officers, agents or employees except for those claims listed above.

The foregoing shall not relieve the undersigned of its obligations under the provisions of said contract, as amended, which by their nature survive completion of the work including, without limitation, warranties, guarantees and indemnities.

Executed this 10th day of JANUARY 20 12

Please attach appropriate
notarial certificate

Maggiora & Ghilotti, Inc.
(Name of Contractor)

By: _____

Title: Controller

ATTACHMENT A

Recording requested by:

NORTH MARIN WATER DISTRICT

When Recorded Mail To:

North Marin Water District
P. O. Box 146
Novato, CA 94948-0146

NORTH MARIN WATER DISTRICT
NOVATO, CALIFORNIA

NOTICE OF COMPLETION

To: Marin County Recorder Date: January 17, 2013
4186 Civic Center File No. 5 6056.11
San Rafael, CA 94913 Date of Final Completion: November 28, 2012

Owner: North Marin Water District
999 Rush Creek Place
Novato, CA 94947

OWNER'S ESTATE OR INTEREST:

Easement _____ Fee Title X Encroachment Permit _____
Other (describe) _____

CONTRACTOR:

Maggiora & Ghilotti Inc.
555 Dubois Street
San Rafael, CA 94901

TITLE OF PROJECT: Recycled Water Expansion – South Service Area Phase 1a

DESCRIPTION OF PROJECT: The work of this project includes: installation of 195 LF 12" welded steel pipeline, 9,559 LF 12" PVC pipeline, and 120 LF 6" PVC pipeline, between the Las Gallinas Valley Sanitary District and Bolling Circle, Novato, total 9,874 LF recycled water line including all appurtenances thereto and all restorations.

DESCRIPTION OF SITE (LOCATION): From Las Gallinas Valley Sanitary District treatment plant north along the Miller Creek levee, then along the east alignment of the SMART right of way, crossing to Bolling Circle, Novato.

Final payment will be made to the above contractor on or after 35 days from the recording date of this notice of completion, except where otherwise provided for by law.

The undersigned under penalty of perjury says that he is the General Manager of the North Marin Water District, the public agency authorizing the work or improvement referred to in the foregoing notice of completion; that he has executed such notice of completion on behalf of such public agency and likewise makes this verification on behalf of said public agency pursuant to authority granted by the District's Board of Directors; and that he has read said notice of completion and knows the contents thereof and that the facts therein stated are true.

General Manager

SIGNATURE MUST BE ACKNOWLEDGED BEFORE A NOTARY PUBLIC

Disposition:
Original: County Recorder
Copy: Contractor
Copy: Project File

NORTH MARIN WATER DISTRICT
WATER SYSTEM IMPROVEMENTS/SPECIAL PROJECTS
PROJECT SUMMARY
AS OF October 1, 2012

Job No.	Title:								
5.6056.00	Recycled Water Expansion - South Service Area								
Facility No.						Facility Type (Pipelines, Pump Stations, etc.)			
						Pipelines, Tank Improvements			
Description									
Provides about 192 AF/Yr of recycled water for Irrigation use. Construction of 5.4 miles of recycled water pipeline and the rehabilitation of the Reservoir Hill Water Storage Tank. Phase 1a - 12-inch pipe from Las Galinas Valley Sanitary District Treatment Plant to Bolling Circle (9,800 ft). Phase 1b - 12-inch and 8-inch pipes Bolling Circle, Randolph Drive, Main Gate Road, Palm Drive, North Hamilton Parkway, and the tank Inlet/Outlet line. (10,000 ft). Phase 2 - Extends distribution 12-inch and 8-inch lines in Main Gate Road, South Palm Drive, Hanger Ave, Captain Nurse Circle, Hamilton Parkway, State Access Road to Martin Drive(8,900 ft).									
Project Justification									
The recycled water expansion project is per NMWD Recycled Water Implementation Plan and is also part of NBWRA regional project Phase 1.									
	Baseline Cost Estimate	2010 Estimate(1)	Funding Est. Sept 2011	Jan 2012 Estimate	Oct 2012 Estimate		Start	Finish (Est.)	Finish (Actual)
1	Development/Admin	\$48,000	\$95,000	\$90,000	\$90,000	Project Dev.	Jul-10	Aug-11	Aug-11
2	Prelim Design		\$30,000	\$30,000	\$30,000	Prelim. Design	Sep-10	Sep-11	
3	Permitting and Fees	\$24,000	\$30,000	\$24,300	\$24,300		Jun-10	Dec-10	
4	Environmental Consultant	\$408,050	\$68,000	\$70,000	\$70,000		Jun-10	Dec-10	
5	Eng. Design - Nute (Pipelines)		\$585,000	\$585,000	\$585,000	Permitting	Jun-10	Apr-11	Jul-12
6	Eng. Design - CSW Stuber/Stroeh (Tank)		\$60,000	\$50,000	\$50,000	Final Design	Sep-10	Sep-11	Nov-11
7	Staff Cost During Construction		\$57,000	60000	\$70,000	Construction			
8	Construction Ph 1a	\$3,600,000	\$900,000	\$914,000	\$884,488	Phase 1a	Apr-12	Sep-12	
	Construction Ph 1b		\$2,408,700	\$2,540,000	\$2,665,000	Phase 1b	Feb-12	Nov-12	
	Construction Ph 2		\$1,168,000	\$1,168,000	\$1,441,750	Phase 2	Nov-12	Apr-13	
9	On-site Retrofits		\$911,000	\$820,000	\$943,000				
10	Eng. Servs. During Const.	\$720,100	\$30,000	\$30,000	\$30,000				
12	Const. Inspection/ Mat Testing		\$575,000	\$572,000	\$672,000				
13	Project Closeout		\$10,000	\$10,000	\$10,000	Project Closeout	Aug-13	Sep-13	
15	Project Subtotal	\$4,800,150	\$6,927,700	\$6,963,300	\$7,565,538				
16	Project Contingency	\$1,244,600	\$559,400	\$523,800	\$100,000				
	Total	\$6,044,750	\$7,487,100	\$7,487,100	\$7,665,538				
NOTES:									
(1) Did not include allowance for on-site retrofits, pipeline cost estimated at \$99/ft.									
(2) Tank Rehabilitation estimated at \$376k									
(3) 9-15-11: North Hamilton Parkway delayed due to cost creep.									
(4) revised to include all pipelines, except G3 and lowered contingency to 8%									
(5) 10-11 Revised phase costs to match no alternates (1b)									
(6) 1-12 Revised with Ph 1b bid									
(7) 10-12 Revised with Ph 1a and Ph 2 bids and expected contract CO for phases 1a and 1b									
(8) Current Estimated Increase over Sept 2011 Budget = \$178,438									

ATTACHMENT C

MEMORANDUM

To: Board of Directors

January 11, 2013

From: David L. Bentley, Auditor-Controller

Subj: Information – FY13/14 CalPERS Employer Rate

t:\ac\word\personnel\pers\fy14 rate.docx

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: \$1,032,000 in FY14 – a \$44,000 Increase from FY13

CalPERS notified the District that its fiscal year 2013-2014 (FY14) employer contribution rate will increase by 1.088% of payroll, to 20.035%, or about \$44,000. The FY14 employer rate increase significantly exceeds the 0.253% increase projected by CalPERS actuarial staff one year ago. The upward revision in the rate is due in large part to the reduction in the District's salary base, due to the 14% reduction in personnel since the peak in FY08.

The total District CalPERS contribution next fiscal year, including the employer-paid employee contribution¹, will be \$1,032,000². A CalPERS preliminary projection for the following fiscal year, FY15, shows that the District should anticipate a 21% employer rate, adding another \$40,000 to the annual obligation. The projected FY15 contribution is based on an estimated CalPERS investment return of 0% for the year ending June 30, 2012.

The District's funded ratio³ was 79.6% at June 30, 2011 (the most recent data available). The availability of a funded ratio specific to NMWD is a welcome addition to the CalPERS annual valuation report. NMWD's individual funded ratio had been unavailable since 2003 when the District was assigned by CalPERS to a "pooled risk group" of 165 agencies having less than 100 employees that participate in the 2.5% at 55 benefit plan.

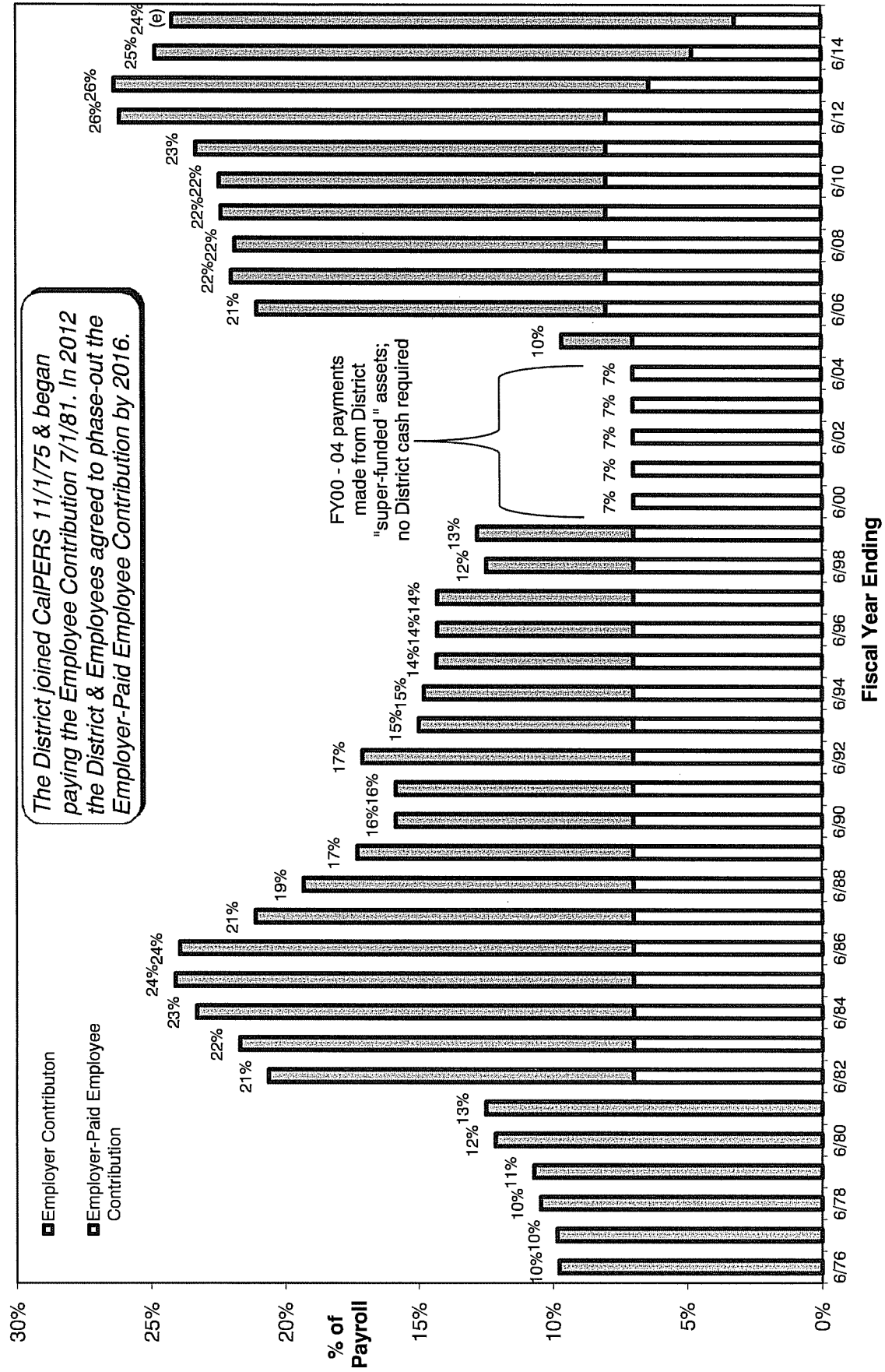
¹ The employer-paid employee contribution is 6.4% of payroll through September 30, 2013, then 4.8% for the balance of FY14, pursuant to the recently approved MOU with employees.

² Contribution amount is based on current payroll of \$4.06 million, adjusted for the 1.6% reduction in the employer-paid employee contribution and offsetting 1.6% salary increase effective October 1 of each fiscal year as per the MOU.

³ Funded ratio is calculated as the actuarial value of assets (wherein market gains and losses are amortized over time) divided by the accrued liability. Using the market value of assets at 6/30/11 yields a funded ratio of 71.3%. Fitch Ratings agency generally considers a funded ratio of 70% or above to be adequate and less than 60% to be weak. "Enhancing the Analysis of U.S. State and Local Government Pension Obligations," Feb. 17, 2011.

http://www.ncpers.org/Files/2011_enhancing_the_analysis_of_state_local_government_pension_obligations.pdf

History of North Marin Water District CalPERS Contribution



MEMORANDUM

To: Board of Directors

January 11, 2013

From: Chris DeGabriele, General Manager



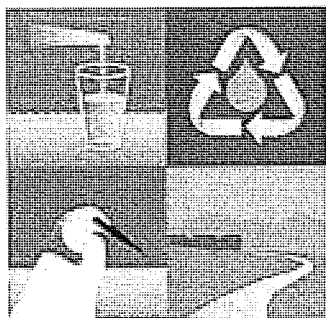
Subject: Bay Area Integrated Regional Water Management Plan Update

t:\gm\2012 misc\bay area irwmp denial memo.doc

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: None

At the November 20th Board meeting the Board was updated on the Bay Area Integrated Regional Water Management Plan (IRWMP). North Marin Water District had requested its Gallagher Well and Pipeline Project be included in the application for funding in the Proposition 84 Round 2 grant submittal. Information received from Bay Area IRWMP Coordinating Committee (attached) indicates that the Gallagher Well and Pipeline Project was not included in the Round 2 application.



**Coordinating Committee
San Francisco Bay Area
Integrated Regional Water Management Plan**
c/o San Francisco Public Utilities Commission
525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102

December 21, 2012

Dear Project Proponents,

As you are aware, the Bay Area Integrated Regional Water Management Plan (BAIRWMP) group has been soliciting and evaluating proposals for an upcoming Department of Water Resources (DWR) Proposition 84 Round 2 grant submittal, for which projects have been developed in accordance with the 2013 update of the Bay Area Plan. Approximately \$20 million is available to the region in this round.

For this process, 67 projects totaling approximately \$110 million were submitted for consideration by the BAIRWMP Coordinating Committee (CC), which designated a Project Selection Committee (PSC) to develop and score various conceptual options for packaging together a successful proposal.

The CC unanimously decided on December 17, 2012 to pursue the following projects for submission in a Round 2 application based on the analysis and recommendations of the PSC.

Project (alphabetical)	Amount
Bayfront Canal Flood Management & Habitat Project	\$1,135,000
Breuner Marsh Restoration and Access Project	\$750,000
Building Climate Change Resiliency Along the Bay with Green Infrastructure and Treated Wastewater	\$2,000,000
Conserving Our Watersheds	\$600,000
East Bay Municipal Utility District East Bayshore Recycled Water Project Phase 1A	\$1,000,000
Lagunitas Creek Watershed Sediment Reduction and Management Project	\$630,000
Milliken Creek Flood Damage Reduction	\$500,000
North Bay Water Reuse Program - Sonoma Valley Recycled Water Project - Phase 2	\$1,020,000
Pescadero Water Supply Project	\$700,000
Petaluma Flood Impact Reduction, Water & Habitat Quality, Recreation, Phase IV	\$825,000
Regional Groundwater Project (San Bruno-Daly City-San Francisco)	\$500,000
Regional Water Conservation (\$500,000 to Santa Clara Valley Water District)	\$2,700,000
Rheem Creek Restoration Project *	\$750,000
Roseview Heights Mutual Water Tanks & Main Upgrades	\$500,000
San Francisco International Airport Industrial Waste Treatment Plant and Reclaimed Water Facility	\$750,000
San Jose Green Infrastructure	\$2,000,000
Sausal Creek Restoration Project	\$500,000
San Francisco Public Utilities Commission Watershed Green Infrastructure	\$900,000
Students and Teachers Restoring a Watershed (STRAW)	\$500,000
Upper York Dam Removal - St. Helena	\$800,000
TOTAL (20 Projects) **	\$19,060,000

* Rheem Creek will not be included unless collaboration confirmed with East Contra Costa County Region. If the Rheem Creek Project is not included, another project from the East Subregion will take its place.

** The total is less than \$20 M to provide for administration and performance monitoring

Decision Process

The PSC pursued a process to evaluate seven options and select the combination of projects that would total less than \$20 million and best meet the following factors identified by the PSC:

Factors

- Must meet DWR criteria for grants to assure a successful grant proposal:
 - Benefit/ Cost analysis (ability to provide detail for analysis)
 - Match (25% match or Dis-Advantaged Community waiver)
 - Readiness to proceed
- Fair and equitable allocation of funds throughout the Region, Sub-regions, and Functional Areas
- Maintain stakeholder engagement throughout the Sub-regions and Functional Areas
- Efficient use of resources (related to total number of projects)

Options

The PSC anticipated the need to develop different options that could be evaluated against the factors above. The options included the following with the results noted in italics.

- A. Most Integrated/ DWR Criteria
Projects were rated based on level of integration (benefits to multiple IRWMP functional areas¹) as well as DWR criteria for Technical Justification and Benefit/ Cost Analysis (included consideration of Regional projects).
Issues - top ranked projects did not include any South Sub-region projects and only 1 Regional project
- B. Sub-regional Prioritization
Four sub-regions prioritized projects within their geographic areas based on long-term sub-regional targets.
Issues - too many projects to include in grant application and no regional projects
- C. Functional Area Emphasis
Four functional areas prioritized projects based on \$5 million allocations for each functional area
Issues – Sub-regional targets not met.
- D. Climate Change Emphasis
8 projects were identified and ranked that specifically focused on Climate Change
Issues - Functional Area and Sub-region allocations were unbalanced –not pursued further.

In evaluating the options above, the PSC developed the following screening rules:

Rules

- 1) Cap- No project or entity to receive more than \$2 million (Regional Conservation excepted since this is a program with multiple agencies involved) due to breadth and depth of submittals
- 2) Floor- No project less than \$500,000 included (original floor in project request)
- 3) Planning Limit- No more than 5% (\$1 million total) of full submittal
- 4) Proponent Ranking- Proponents with multiple submittals were asked to rank them and this information was considered in project selection
- 5) Combined Projects- If projects are separate under CEQA, or are not all within an option's priority funding range, they cannot be combined

¹ Bay Area IRWMP Functional Areas include: Water Supply and Quality; Wastewater and Recycling; Flood Protection and Stormwater; Habitat and Watersheds

E. Hybrid Options

- E-1: Modified Option B (Sub-region Priorities) to include regional projects (STRAW and Regional Conservation) and incorporate some results of Option A.
- E-2: Variation of E-1 that would allocate \$1 million for Planning/Assessment projects. *Dropped given number of implementation projects and DWR focus on capital outlay.*
- E-3: Modified Option A (Integration Option) to add funding for South and Regional projects and adjust amounts to stay below limit.

The PSC recommended Option E-1 to the Coordinating Committee as the option best meeting identified factors after reviewing common projects in all options.

A copy of the Options document prepared for the CC is attached. If you have questions about particular options or projects, please contact the appropriate IRWMP leads at:

<http://bairwmp.org/subregions/contacts>

We sincerely appreciate your participation in this process and regret that we could not accommodate more requests for funding. We value hearing about your experience in submitting and will look to incorporate feedback into future grant rounds. Please do not hesitate to contact us with comments and suggestions at Projects@bairwmp.org.

Sincerely,



Steven R. Ritchie
Assistant General Manager, Water
San Francisco Public Utilities Commission
Bay Area IRWMP Coordinating Committee Chair

Proposition 84 IRWM Implementation Grants, Round 2

Options for Composition of Bay Area Grant Proposal

Background

- Up to **\$20.086 million** is available for the Bay Area in Prop 84 IRWM Grant Round 2 (\$20M is max if DAC target for CA is met; if not, more like \$18-20M).
- Prop 50 funding - \$12M went to water conservation and recycling
- Prop 84 Round 1 – \$30M went to "Regional" Projects based on limited funds and time constraints to carry out sub-regional process.
 - \$19M of \$30M went to water conservation and recycling.
 - \$10M of \$30M went to Wetland Restoration, Green Infrastructure, Projects for Disadvantaged Communities, and fishery projects. \$1M for Admin efforts.
- **The allocation targets for each sub-region approved by the CC in 2008 will be tracked over P84 rounds to ensure geographic balance (N 25.02%, S 24.83%, E 28.65%, & W 21.50%).**

Options for Round 2

67 projects indicated interest by Oct 31 (2 dropped since), requesting \$110M. Each proponent with multiple projects was asked to prioritize similar type projects - approx 40 at Priority 1 requesting \$60M.

- A. Most Integrated (allocate 100% of grant via this method)
- a. Projects rated by number of functional areas that benefit and ability to respond well to DWR criteria and factors.

Project	Amount
Implementing "Slow It, Spread It, Sink It" in Sonoma, Napa and	\$750,000
Petaluma Flood Impact Reduction, Water & Habitat Quality,	\$1,012,275
San Francisco International Airport Industrial Waste Treatment	\$750,000
Building Climate Change Resiliency Along the Bay with Green	\$2,000,000
North Bay Water Reuse Program -- Sonoma Valley Recycled	\$1,500,000
Conserving Our Watersheds	\$600,000
Lagunitas Creek Watershed Sediment Reduction and	\$630,000
Breuner Marsh Restoration and Access Project	\$1,000,000
EBMUD East Bayshore RWP Phase 1A	\$2,000,000
Sears Point Restoration Project	\$2,000,000
Daly City Expansion Recycled Water Project	\$2,000,000
Corte Madera Creek Sediment Control & Dr. Water Reliability	\$900,000
SFPUC Eastside Watershed Green Infrastructure	\$2,000,000
Bay Point Marsh Restoration Project	\$1,000,000
Napa River Restoration: Oakville to Oak Knoll	\$1,000,000
Students and Teachers Restoring a Watershed (STRAW)	\$500,000
TOTAL (16 projects)	\$19,642,275

- B. Sub-regional prioritization – allocate 100% of grant by long term targets for sub-regions
a. N - \$5.03M, W - \$4.32M, E - \$5.0M, S - \$4.99M

County Level Summary	Amount
Solano County – 2 projects (Open space & watershed improve.)	\$820,000
Napa County – 2 projects (Napa River restoration)	\$1,347,000
Sonoma County – 2 projects (Petaluma flood mgt, slow/sink it)	\$1,187,000
Marin County – 2 projects (Lagunitas watershed)	\$1,646,000
San Francisco City & County – 3 projects (SFO recycle, GW, WGI)	\$2,160,000
San Mateo County – 3 projects (watershed, flood mgt, DAC)	\$2,160,000
Santa Clara County – 3 projects (Green Infr, RHMWC, Conserv.)	\$4,600,000
Alameda County – 3 projects (BCCR, I-80 P/L, Sausal Crk)	\$3,500,000
Contra Costa County – 2 projects (Bruener Marsh, Rheem Crk)	\$1,500,000
TOTAL (22 projects)	18,900,000

- C. Functional Area (FA) Emphasis – 100% of grant evenly prioritized by FAs (\$5M each)

Project	Amount
Building Climate Change Resiliency Along the Bay w/GI-WW*	\$2,100,000
EBMUD East Bayshore RWP Phase 1A	\$1,100,000
North Bay Water Reuse Program -- Sonoma Valley Recycled	\$1,075,000
Daly City Expansion Recycled Water Project	\$1,075,000
San Francisco International Airport Industrial Waste Treatment	\$750,000
Bay Area Regional Water Conservation	2,710,000
Rheem Creek Restoration Project	710,000
Roseview Heights Water Tanks	500,000
Regional Groundwater Project (D.City, S.Bruno)	580,000
Pescadero Water Supply Project	500,000
SFPUC Eastside Watershed Green Infrastructure	\$1,300,000
San Jose Green Alleys Demonstration Project	\$1,300,000
Petaluma Flood Impact Reduction, Water & Habitat Quality Ph.4	\$1,300,000
Building Climate Change Resiliency Along the Bay w/GI-WW*	\$1,100,000
Lagunitas Creek Watershed projects	\$630,000
Breuner Marsh Restoration Project	\$1,000,000
Napa River Restoration – Oakville to Oak Knoll	\$1,000,000
Sears Point Restoration Project	\$1,770,000
Students and Teachers Restoring a Watershed (STRAW)	\$500,000
TOTAL (18 projects)	\$20,000,000

* The \$2.1M grant request for "Building Climate Change Resiliency" is spread over two Functional Areas.

- D. Climate Change Emphasis

- a. Eight projects that are directly designed to address climate change.

Project	Amount
Building Climate Change Resiliency Along the Bay w/GI-WW*	\$2,083,935
Bay Area Sea Level Rise Adaptation Strategy	\$3,400,000
Students and Teachers Restoring a Watershed (STRAW)	\$600,000
Breuner Marsh Restoration Project	\$1,000,000
Hayward Marsh Restoration Project	\$5,000,000
Rheem Creek Conservation Project	\$750,000

Implementing "Slow It, Spread It, Sink It" in Sonoma, Napa and	\$750,000
Sears Point Restoration Project	\$2,000,000
TOTAL (8 Projects)	\$15,583,935

E. Hybrids

- a. Option E1 – Start w/ Option B, reduce south to \$3M (w/ \$500k Conserv), add STRAW (\$500k), \$2.2M Regional Conservation.

Project	Amount
Petaluma Flood Impact Reduction, Water & Habitat Quality,	\$825,000
San Francisco International Airport Industrial Waste Treatment	\$750,000
Building Climate Change Resiliency Along the Bay with Green	\$2,000,000
North Bay Water Reuse Program -- Sonoma Valley Recycled	\$1,020,000
Conserving Our Watersheds	\$600,000
Lagunitas Creek Watershed Sediment Reduction and	\$630,000
Upper York Dam Removal - St. Helena	\$800,000
Milliken Creek Flood Damage Reduction	\$500,000
Breuner Marsh Restoration and Access Project	\$750,000
EBMUD East Bayshore RWP Phase 1A	\$1,000,000
Rheem Creek Restoration Project	\$750,000
Sausal Creek Restoration Project	\$500,000
Pescadero Water Supply Project	\$700,000
Regional Groundwater Project (San Bruno-Daly City-SF)	\$500,000
SFPUC Watershed Green Infrastructure	\$900,000
Bayfront Canal Flood Management & Habitat Project (?)	\$1,135,000
Roseview Heights Mutual WC Tanks & Main Upgrades	\$500,000
San Jose Green Infrastructure	\$2,000,000
Students and Teachers Restoring a Watershed (STRAW)	\$500,000
Regional Water Conservation (w/\$500k to SCVWD)	\$2,700,000
TOTAL (20 Projects)	\$19,060,000

- b. E2 – Same as E1 except that \$1M of Regional amt is for planning. Not pursued.

{Continued next pg.}

- c. E3 – Start with Option A, include South at \$3M, add Conservation, Pescadero and adjust some amts to stay under the grant max.

Project	Amount
Petaluma Flood Impact Reduction, Water & Habitat Quality,	\$825,000
San Francisco International Airport Industrial Waste Treatment	\$750,000
Building Climate Change Resiliency Along the Bay with Green	\$2,000,000
North Bay Water Reuse Program -- Sonoma Valley Recycled	\$1,100,000
Conserving Our Watersheds	\$600,000
Lagunitas Creek Watershed Sediment Reduction and	\$630,000
Breuner Marsh Restoration and Access Project	\$1,000,000
EBMUD East Bayshore RWP Phase 1A	\$1,100,000
Sears Point Restoration Project	\$1,000,000
Daly City Expansion Recycled Water Project	\$1,100,000
Corte Madera Creek Sediment Control & Dr. Water Reliability	\$600,000
SFPUC Watershed Green Infrastructure	\$1,500,000
Bay Point Marsh Restoration Project	\$1,000,000
Napa Habitat Project	\$1,000,000
Roseview Heights Mutual WC Tanks & Main Upgrades	\$500,000
San Jose Green Infrastructure	\$2,000,000
Students and Teachers Restoring a Watershed (STRAW)	\$500,000
Pescadero Water Supply Project	\$700,000
Bay Area Regional Water Conservation	2,000,000
TOTAL (19 projects)	\$19,905,000

Factors to Consider

- Fair and equitable allocation of funds throughout Region, Sub-regions, and Functional Areas
- Maintain stakeholder engagement throughout Sub-regions and Functional Areas
- Efficient use of resources
- Must meet DWR criteria for grant to assure a successful grant proposal:
 - Benefit/ Cost analysis (ability to provide detail for analysis)
 - Match (25% match or DAC waiver)
 - Readiness to proceed

MEMORANDUM

To: Board of Directors

January 11, 2013

From: Drew McIntyre, Chief Engineer 

Subject: North Bay Water Reuse Authority Board Meeting – November 19, 2012

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RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: None

Agenda attached.

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

6. Report from the Program Manager.

A Memorandum of Understanding (MOU) Subcommittee has been established to begin preparing modifications to the Second Amended MOU which expires November 3, 2013. The MOU Subcommittee (of which is NMWD is a participant) will focus on the primary issues:

- MOU Terms for Phase 1
- Incorporation of new members for Phase 2 participation
- Voting requirements for Phase 1 and Phase 2
- Implementation of an initiation fee.

It should be noted that the Phase 2 new member outreach effort has been completed with MMWD and the City of Petaluma confirming participation in the final Phase 2 scoping study.

8. Phase 2 Issues. (NMWD is not a Phase 2 participant)

Five additional agencies participated in the Phase 2 project definition scoping study. They were Marin County, MMWD, City of Petaluma, City of Sonoma and City of American Canyon. As mentioned previously, of these five additional agencies only two, MMWD and City of Petaluma, have decided to move forward and join NBWRA as a Phase 2 participant.

9. Revised FY2012/13 Budget.

At the August 20, 2012 NBWRA Board meeting, the FY2012/13 budget was approved with the understanding that the NBWRA Board would consider a revised FY2012/13 budget at the November meeting that would include costs for the 18-month Phase 2 scoping study. At the November 12, 2012 meeting the NBWRA Board approved said revised FY2012/13 budget including the following:

• Phase 1 support:	\$195,000
• Phase 2 Scoping Study and Workshops:	\$416,710
• Joint Use Costs:	<u>\$477,000</u>
Total: \$1,088,710	

Note that the above Phase 2 scoping study workshop costs of \$416,710 is spread over two fiscal years. The approved revised budget resulted in an increase of approximately \$40,000 per year for each of the agencies participating in Phase 2. As a result of the revised budget, NMWD's share will decrease from \$102,541 to \$94,969.

10. Approval of the Administrative Agency to Contract with Weir Technical Services for Program Management Services.

Historically, program management services were provided by RMC Water and Environmental who subcontracted services with Weir Technical Services. The agreement with RMC ended December 31, 2012. In April 2012, a Request for Qualifications (RFQ) for program management services was issued in an effort to reduce costs. Two proposals were received and the NBWRA Technical Advisory Committee selected Weir Technical Services to directly perform program management services moving forward (from January 1, 2013 thru June 30, 2014.)

11. Authorization to Apply for 2013/14 WaterSmart Construction Grant.

NBWRA submits applications for WaterSmart funding on an annual basis for member agencies requesting said funds. Attachment 2 contains a November 19, 2012 memo describing plans for submitting a WaterSmart Grant for FY 2013/14. The memo includes a summary of funds received to date and future requested WaterSmart funding. The attached memo shows that two agencies, Napa Sanitation District and Sonoma Valley County Sanitation District (SVCSD), will be named for the FY2013/14 WaterSmart grant application process for total requested grant funds of approximately \$2.7 million. Note that the current schedule shows that NMWD (Central Service Area), Sonoma Valley Community Services District and Novato Sanitary District will be requesting FY 2015/16 WaterSmart grant funds totaling approximately \$2.4 million (of which NMWD's allocation would be approximately \$1.5 million).

12. American Recovery and Reinvestment Act (ARRA) Update.

As stated in previous updates, NMWD's Novato Central Service Area project is scheduled to start design in 2016 and complete construction in 2019.

13. Federal Funding Update.

NBWRA representatives who attended the November 27-30, 2012 Washington DC trip are listed as follows:

- Napa County Supervisor and 2012 NBWRA Chair Keith Caldwell
- Sonoma County Supervisor and 2012 NBWRA Vice Chair David Rabitz
- Novato Sanitary District Board Member and NBWRA Past Chair Bill Long
- Grant Davis and Renee Weber (with SCWA)
- Ginger Bryant (Bryant and Associates)

The next planned trip to Washington DC will be in late February or early March 2013.

14. State Funding Update (Bay Area Integrated Regional Water Management Update Plan Prop 84 Round 2)

As stated in the meeting minutes, NBWRA's North Bay Water Reuse program was ranked #1 and received 618 points out a maximum of 735. The only NBWRA project submitted was SVCSD's Phase 2 Sonoma Valley Recycled Water Project for \$1,020,000. At a December 17, 2012 IRWMP Coordinating Committee Meeting the above SVCSD project was approved for submission as part of the Prop 84 Round 2 application process.

**North Bay Water Reuse Authority
Board of Directors Meeting
November 19, 2012**

1. Call to Order

Chair Caldwell called the meeting to order at 9:37 a.m. on Monday, November 19, 2012 at the Novato Sanitary District Boardroom, 500 Davidson Street, Novato, CA 94945.

2. Roll Call

PRESENT: Keith Caldwell, Chair, Napa County
David Rabbitt, Vice-Chair, Sonoma County Water Agency
Megan Clark, Las Gallinas Valley Sanitary District
Pam Jeane, Sonoma Valley County Sanitation District
Bill Long, Novato Sanitary District
John Schoonover, North Marin Water District
Jill Techel, Napa Sanitation District

ABSENT: None

Chair Caldwell led the group in the Pledge of Allegiance.

OTHERS

PRESENT: Chuck Weir, Program Manager	RMC
Make Ban	Marin Municipal Water District
Kevin Booker	Sonoma County Water Agency
Ginger Bryant	Bryant & Associates
Tim Healy	Napa Sanitation District
Beverly James	Novato Sanitary District
Andria Loutsch	CDM Smith
Susan McGuire	Las Gallinas Valley Sanitary District
Drew McIntyre	North Marin Water District
Mark Millan	Data Instincts
Phillip Miller	Napa County
Monica Oakley	RMC
Pilar Oñate-Quintana	The Oñate Group
Jim O'Toole	ESA
Michael Savage	Brown & Caldwell
Rem Scherzinger	City of Petaluma
Jeff Tucker	Napa Sanitation District
Renee Webber	Sonoma County Water Agency

3. Public Comment

No members of the public addressed the Board

4. Introductions

Introductions were waived as all attendees were acquainted.

5. Board Meeting Minutes of August 20, 2012

5.a Phase 1 Meeting Minutes

5.b Phase 2 Meeting Minutes

A motion by Director Schoonover, Seconded by Director Techel to approve the Phase 1 and Phase 2 meeting minutes from August 20, 2012 was approved, with Director Clark abstaining.

6. Report from the Program Manager

6.a Consultant Progress Reports

The Program Manager noted that this month's report included the October 2012 Progress Reports from the consultant team. It was noted that since all consultant agreements were not approved until recently that some reports covered multiple months.

7. Consultant Cost Tracking through October 31, 2012

The Board reviewed the summary of consultant costs through the period ending October 31, 2012. The Program Manager noted that the costs for CDM Smith from July through October were through an agreement from a prior fiscal year and were primarily related to American Reinvestment and Recovery Act (ARRA) expenses. Future reports will show these expenses in a note and only costs from agreements for FY2012/13 will be shown in the summary.

8. Phase 2 Issues

8.a Final Report – Phase 2 Project Definition Scoping Study Report

The Board reviewed the Executive Summary from the subject report and noted that the next step in the Phase 2 process is to consider the Final Phase 2 Scoping Study.

8.b Proposed Final Phase 2 Scoping Study

A PowerPoint presentation was provided by Ginger Bryant, Mike Savage, and Andria Loutsch. The presentation detailed the development of the final scope, cost, member agency participation, and plans for regular workshops for the Final Phase 2 Scoping Study. The study will take eighteen months and be funded over a two fiscal year period. Board discussion included identification of land use issues and addressing sea-level rise and related issues at storage sites.

9. Revised FY2012/13 Budget and Cost Allocations

The Program Manager described a proposed modification in the FY2012/13 Budget to include the Final Phase 2 Scoping Study at a cost of \$416,710 to be funded by the seven participating agencies over two fiscal years. A motion by Director Long, seconded by Director Schoonover to approve the Revised FY2012/13 Budget and Cost Allocations was unanimously approved.

10. Approval of the Administrative Agency to Contract with Weir Technical Services for Program Management Services

The Program Manager described the Request for Qualifications (RFQ) and selection process for program management services that was conducted by the Technical Advisory Committee (TAC). A motion by Director Techel, seconded by Director Long for approval of the Administrative

Agency to contract with Weir Technical Services for Program Management Services was unanimously approved.

11. Authorization to Apply for the 2013/14 WaterSMART Construction Grant

Ginger Bryant described the funding received to date from all sources, including ARRA and WaterSMART and the process for applying for funds for 2013/14. The application is due December 12, 2012. A motion by Director Clark, seconded by Director Rabbitt to apply for the 2013/14 WaterSMART Construction Grant was unanimously approved.

12. American Recovery and Reinvestment Act and Title XVI Projects and Schedule Updates

The Board reviewed the ARRA projects and schedule as updated by Andria Loutsch, CDM Smith.

13. Federal Funding Update

Ginger Bryant discussed plans for a proposed trip to Washington D.C. November 27-30, 2012. She also discussed efforts to increase funding levels for USBR WaterSMART Grants and meetings scheduled with federal agencies and House and Senate members.

14. State Funding Update

Pilar Oñate-Quintana, updated the Board on the recent election, planned outreach efforts, and the Water Bond. The Board also was pleased to note that NBWRA's draft project ranking for the Bay Area's Integrated Regional Water Management Plan was ranked first out of 318 projects.

15. EIR/EIS Issues Update

Jim O'Toole updated the Board on the status of Phase 1 construction projects and the environmental reporting required by the terms of the EIR/EIS.

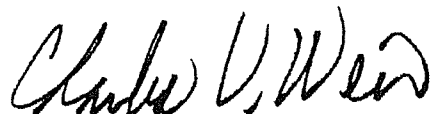
16. Outreach Program Update

Mark Millan updated the Board on outreach efforts.

17. Adjournment

Chair Caldwell thanked everyone for their services during his year as Chair. He also wished everyone Happy Holidays. There being no further business, Chair Caldwell adjourned the meeting at 10:30 a.m.

Minutes approved by the Board on _____ 2013.

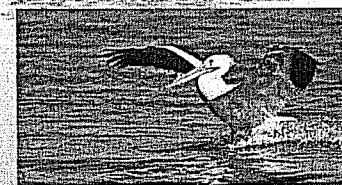


Charles V. Weir
Program Manager



NORTH BAY WATER REUSE PROGRAM

Water Supply Reliability through Regional Reuse



Date: November 19, 2012

To: NBWRA Board of Directors

From: Ginger Bryant and Andria Loutsch

Subject: Phase 1 Project Construction Grant – WaterSMART 2013/14

Background

Design and construction costs for Phase 1 of the North Bay Water Reuse Program (Program) were estimated be \$104,000,000. In Public Law 111-11, the US Bureau of Reclamation (Reclamation) was authorized to contribute \$25,000,000 in federal assistance toward Phase 1 Program costs.

The table below shows the distribution of the \$25,000,000 in federal assistance between NBWRA member agencies and the federal funds received to date from two sources: American Recovery and Reinvestment Act (ARRA) and the WaterSMART Title XVI grant program Reclamation administers to fund authorized projects. Through 2012, approximately 51% of the NBWRA's federal authorization for Phase 1 projects has been secured.

North Bay Water Reuse Program Phase 1 Federal Funding Status and Summary - November 2012

Member Agency	Phase 1 Federal Funding - Per 2010 MOU	Total Federal Funding 2010-2012 (ARRA & WaterSMART)*	% of MOU Allocation	2013 WaterSMART Grant (Pending)**	Remaining Phase 1 Funding	2014 WaterSMART Grant***	2015 WaterSMART Grant***	2016 WaterSMART Grant***
LGVSD	\$1,222,473	\$1,222,473	100%					
NMWD - South, Central, North	\$4,689,504	\$3,169,499	68%		\$ 1,520,005			\$ 1,520,005
Novato SD	\$1,679,893	\$1,371,500	82%		\$ 308,393			\$ 308,393
Napa SD	\$9,440,996	\$3,562,500	38%	\$ 3,700,000	\$ 2,178,496	\$ 2,178,496		
SCWA - SVCSD	\$7,967,134	\$3,564,250	45%	\$ 300,000	\$ 4,102,884	\$ 1,500,000	\$ 2,000,000	\$ 602,884
Total	\$25,000,000	\$12,890,222	51%	\$ 4,000,000	\$ 8,109,778	\$ 3,678,496	\$ 2,000,000	\$ 2,431,282
Obligated funding with projects scheduled for completion by 2016*								
Approximate level of effort - final still to be determined**								
Estimates for Planning Purposes - 2019 Tentative Completion for Phase 1***								

Future funding is expected through the WaterSMART Program. This year's WaterSMART grant application (2013) is shown for approximately \$4,000,000 and will be shared between the Napa and Sonoma County members. Future grant years are shown for context and estimated completion of the Phase 1 projects.

Discussion and Recommendation

The 2013 WaterSMART grant application is due December 12, 2012 and notification of the award is anticipated in April 2013. The NBWRA WaterSMART application will address funds for recycled water distribution systems in both Sonoma and Napa Counties.

We recommend approving submittal of the 2013 WaterSMART grant application for Phase 1 project construction funds.

MEMORANDUM

To: Board of Directors
From: Drew McIntyre, Chief Engineer 
Subject: CalTrans Marin Sonoma Narrows (MSN)/NMWD AEEP Reach E Aqueduct Construction Phase Update No. 1 (Outsourcing Inspection Services)
R:\Folders by Job No\7000 jobs\7118\Reach E\BOD Memos\7118 Reach E Update No 1 11-11-13.doc

January 11, 2013

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: \$450,000 (approximately \$2.16 million reduction from last report)

Background

The Aqueduct Energy Efficiency Project (AEEP) has been divided into five pipeline reaches. A map of the pipeline reaches and corresponding CalTrans MSN segment B project numbers is provided in Attachment 1. The pipeline reaches are labeled from north to south beginning at the Kastania Pump Station (labeled as Reach A) and ending near Olompali State Park (labeled as Reach E). Two reaches, Reach B and E, need to be relocated as part of the respective CalTrans MSN B3 and B1 projects. As such, the bulk of the construction costs for AEEP Reach B and E segments are borne by CalTrans. The three other reaches of the AEEP (A, C and D) are new pipelines to close gaps between the CalTrans MSN relocation segments and will be constructed as part of the AEEP and 100% funded by NMWD. An updated summary of the CalTrans MSN/AEEP is provided in Table 1 below:

Table 1

CALTRANS MSN/AEE PROJECT SUMMARY				
PROJECT	ACTIVITY	BID ADVERTISE DATE	CONSTRUCTION CONTRACT MANAGEMENT	AQUEDUCT WORK
MSN B1	Reach E	April, 2012	CT	Fall 2013- Spring 2014 Spring 2013 – Fall 2013
MSN B2	Temporary Bypass	April, 2012	CT	Fall 2013- Spring 2014
MSN B2	Reach A	TBD	NMWD	TBD
MSN B3	Reaches B, C, D	January, 2013 May 2013	NMWD	TBD

MSN B1/AEEP Reach E

The above mentioned project background was originally presented to the Board at the April 3, 2012 meeting where the Board authorized the General Manager to execute a Cooperative Agreement (Co-op) and Utility Agreement with CalTrans for the MSN B1/AEEP Reach E. Bids for

the above referenced project were opened on August 14, 2012 and CalTrans awarded a contract to Ghilotti Construction Company (GCC) in September 2012. According to the terms of the Cooperative Agreement, the District's out-of-pocket AEEP betterment (i.e., pipe diameter upsizing) expenses are determined solely on post-bid unit prices provided by GCC. A summary of construction costs for the MSN B1/AEEP Reach E project is provided in Table 2.

Table 2

MSN B1/AEEP REACH E TOTAL CONSTRUCTION COSTS				
<i>Construction Costs (Contractor)</i>	<i>Pre- Bid</i>	<i>Post-Bid</i>	<i>Over/Under</i>	<i>Responsible Party</i>
MSN Waterline Relocation	\$4,458,000	\$4,558,095	\$100,095	Caltrans
AEEP Reach E Betterments	\$2,430,000	\$365,333	(\$2,064,667)	NMWD
<i>Subtotal</i>	\$6,888,000	\$4,923,428	(\$1,964,572)	
<i>Support Costs</i>				
Credit to Caltrans for Construction Management Services	\$120,000	\$22,651	(\$97,349)	NMWD
Waterline Inspection/Design Services During Construction	\$575,000	\$492,343	(\$82,657)	Caltrans
<i>Subtotal</i>	\$695,000	\$514,994	(\$180,006)	
Total Project Cost	\$7,583,000	\$5,438,422	(\$2,144,578)	

Table 2 shows that the District's responsibility for betterment costs (originally estimated at \$2,430,000, including 30% contingency) have been significantly reduced and are now estimated at \$365,331 (including 10% contingency). Note that CalTrans' costs have increased slightly from \$4,458,000 to \$4,558,095 (a modest 2% construction cost increase). Construction support costs, which are a percentage of construction costs, have decreased accordingly. Overall total project costs for the combined MSN B1/AEEP decreased from \$7,583,000 to approximately \$5,438,000 (at a savings of \$2,145,000 or 28%).

A summary of NMWD responsible costs is provided in Table 3. Table 3 identifies that NMWD costs which were originally estimated at \$2.6 million have been reduced to approximately \$450,000 after award of the contract to GCC (resulting in a savings of approximately \$2.16 million).

Table 3

NMWD COST SUMMARY			
<i>Description</i>	<i>Pre- Bid</i>	<i>Post-Bid</i>	<i>Over/Under</i>
AEEP Reach E Betterments	\$2,430,000	\$365,333	(\$2,064,667)
Depreciation	\$62,000	\$62,000	\$0
Construction Support Credit To Caltrans	\$120,000	\$22,651	(\$97,349)
	\$2,612,000	\$449,984	(\$2,162,016)

An abbreviated construction schedule for GCC is provided in Table 4.

Table 4

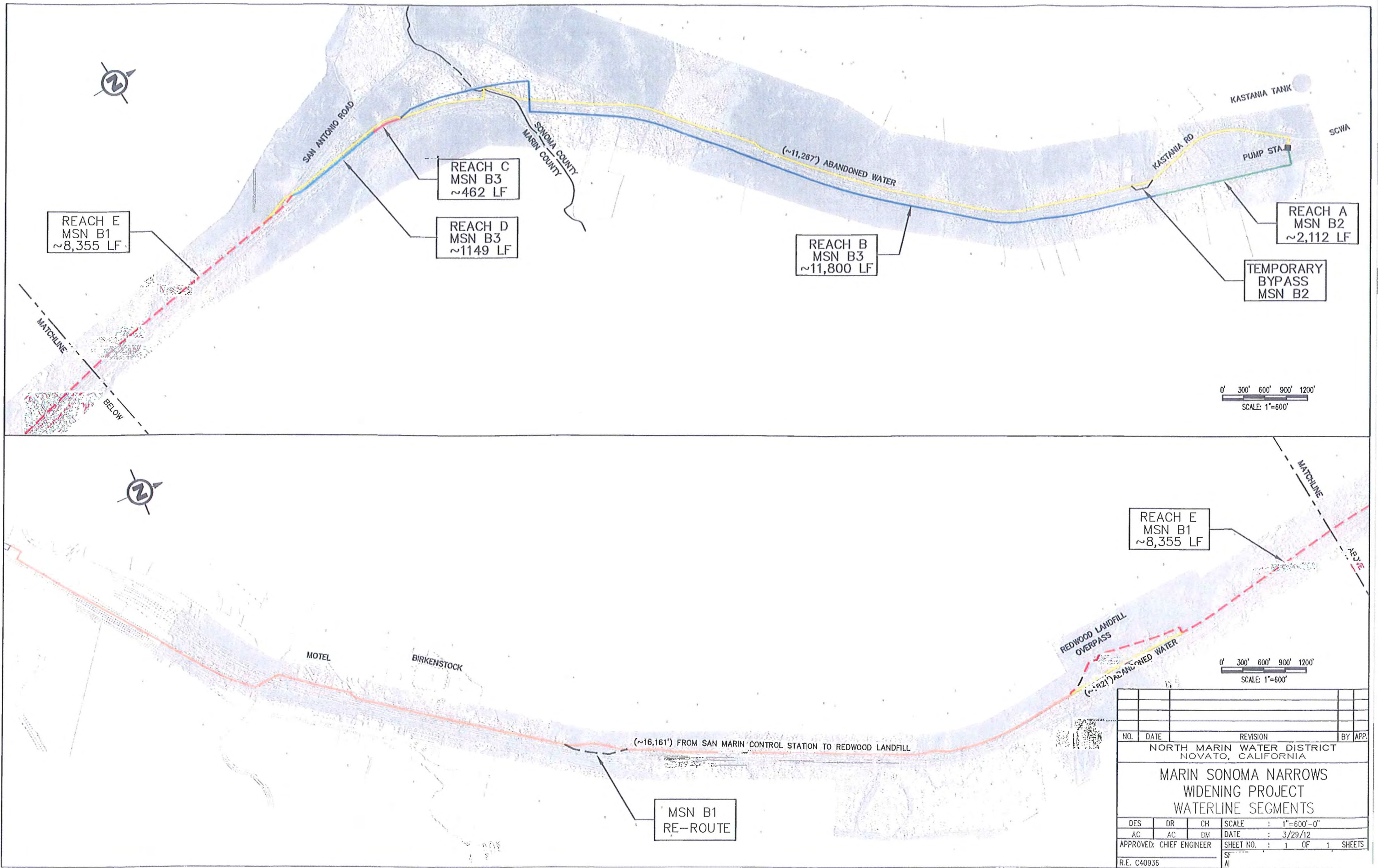
CONSTRUCTION SCHEDULE	
<i>Description</i>	<i>Date</i>
CalTrans/GCC Contract Award	September 2012
CalTrans Notice to Proceed to GCC	October 2012
Aqueduct Submittal Review Phase	December – February 2013
Aqueduct Construction Work (tentative)	May – October 2013
Total Project Completion	May 2015

Aqueduct Construction Inspection

Per the Co-op Agreement, CalTrans will pay approximately 96% of the estimated construction phase inspection and design engineering services associated with the aqueduct relocation and betterment. To ensure optimum quality control over aqueduct installation, the Co-op agreement has been negotiated to require CalTrans to compensate NMWD for providing a pipeline inspector to the CalTrans' Resident Engineer inspection team. Accordingly, CalTrans is reimbursing NMWD for construction phase costs up to \$492,343 (see Table 2 above).

District staff does not have the resources available in-house to provide full time onsite inspection services during the above mentioned construction period. As such, staff will be moving forward with issuance of a Request for Proposal (RFP) for pipeline inspection services related to this project. It is anticipated that the RFP selection process will take approximately two months after which staff will return to the Board with the recommended consultant.

Mar 30, 2012 - 7:57am W:\03\MS\Presentation\Sonoma Narrows\Water Line MSN.dwg User: ACANTILLER



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MEMORANDUM

To: Board of Directors

January 11, 2013

From: Robert Clark Operations / Maintenance Superintendent *RC*

Subj: Students and Teachers Restoring a Watershed (STRAW) Project at Stafford Lake
x:\maint supl2013\bod\strwa 12-7.doc

RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None at this time

For the tenth year a STRAW Project was completed on the Stafford Lake Watershed. STRAW's restoration day at Stafford Lake in December 2012 addressed potential erosion that drains from the Solar Array Field on the east side of the lake. The installation of grass, shrubs, trees, and erosion waddles within the slope of the field will help prevent erosion and sediments, prevent solar project runoff from channeling and provide additional wild life habitat.

PRBO Conservation Science (Point Reyes Bird Observatory) is the STRAW. They provide teachers and students with the scientific, educational and technical resources to prepare them for hands-on, outdoor watershed studies, including ecological restoration of riparian and wetland habitats. Participants included 12, 5th grade students and 6 adult volunteers from Good Sheppard School in Novato, along with five PRBO staff.



Students and Volunteer



Site Map of Stafford Lake Park

The STRAW project included installation of straw waddles and plants below the Solar Arrays at the fence line. The objective was to revegetate with native species, control erosion and screen site from golf course while maintaining access to facilities. (5lbs of fescue seeds, 2 bails of rice straw, 250 feet of 8" waddle, 26 Coyote brush, 12 Toyon, 16 Coffeeberry, 10 Coast live Oak).



North View



East View

- At the base of the solar field the 8" rice straw waddles were place just above the fence line.
- Just below fence alternating plantings of Coyote brush and Coffeeberry were planted eight feet apart.
- Clusters of Coffeeberry, Coyote brush and Toyon were planted along three sides of the inverter area.
- The live oak trees were planted in the flat area at the base of the hillside.
- Rice straw and grass seed were use to cover various bare ground throughout the site.

**NOTICE OF MEETING OF
NORTH BAY WATERSHED ASSOCIATION**

Notice is hereby given that a meeting of the North Bay Watershed Association will be held as follows:

Date: Friday, January 4, 2013
Time: 9:30 a.m. – 11:30 a.m.
Location: Marin Community Foundation
5 Hamilton Landing
Suite 200, Redwood Room
Novato, CA 94949

AGENDA

<u>Item</u>	<u>Recommendation</u>
1. Call to Order (Jack Gibson, Chair)	
2. Public Comment	
3. Approval of the Agenda (1 min.)	Approve
4. Approval of Minutes	Approve
5. Treasurer's Report (1 min.)	Accept
6. The Relationship between Water and Land Use (45 min) Guest Speaker: Jennifer Krebs, SFEP	Information
7. Estimating Economic Benefits of Environmental Projects (30 min.) Handbook for Benefit-Cost Assessments – ECONorthwest Harry Seraydarian	Information
8. Items of Interest	
9. Items for Next Agenda	

Next Meeting Information:

Next Meeting: February 1, 2013
Conference Room 2
Petaluma (Lucchesi) Community Center
320 N. McDowell Boulevard
Petaluma, CA 94954

NORTH BAY WATERSHED ASSOCIATION

Minutes for the meeting of the North Bay Watershed Association (NBWA) Board of Directors.

Date: December 7, 2012
Time: 9:30 a.m.
Location: Petaluma (Lucchesi) Community Center
320 N. McDowell Boulevard
Conference Room 2
Petaluma, CA 94954

Directors Present: Directors present included:

<u>Board Member</u>	<u>Agency/Organization</u>	<u>Board Member</u>	<u>Agency/Organization</u>
Judy Arnold	County of Marin	Rick Fraites	North Marin Water District
Steve Barbose	City of Sonoma and Sonoma Valley County Sanitation District	Jack Gibson	Marin Municipal Water District
Megan Clark	Las Gallinas Valley Sanitary District	Kathy Hartzell	Central Marin Sanitation Agency
Mike DiGiorgio	Novato Sanitary District	Pamela Tuft	City of Petaluma

Directors present represented 9 out of the 16 agencies signatory to the Association MOU.

Board Actions:

1. **Call to Order.** Jack Gibson, Chair, called the meeting to order at 9:39 a.m.
2. **Public Comment.** None.
3. **Approval of the Agenda.** (See Handout) The Board unanimously approved the agenda.
4. **Approval of the Minutes of the Board Meeting held November 2, 2012.** (See Handout) The Minutes of the Board Meeting held on November 2, 2012 were unanimously approved.
5. **Treasurer's Report.** (See Handout) The Treasurer's Report was accepted as presented by Harry Seraydarian.
6. **Historical Ecology and Resilient Landscapes.** Robin Grossinger, SFEI, presented a PowerPoint beginning with the history of SFEI, which was formed in 1993 to foster a comprehensive, coordinated Regional Monitoring and Research Strategy to assess the health of the San Francisco Estuary. Robin explained that SFEI administers a JPA with the Aquatic Science Center (ASC), set up to provide impartial environmental synthesis for the region, and that the ASC just received a \$250,000 grant for a Marin County Flood Control Project. Robin then described his program, Resilient Landscapes, by defining what is meant by resilience – how a system responds to events (e.g., floods, drought, fire, climate change, changes in hydrology, etc.) and copes with the changes without diminishing options for the future. Robin provided a visual to illustrate the narrowing of the range of variation (comparing 1800 to 2000) that could lead to species reduction or extinction. He then noted the concepts that are important for resilience: complexity, diversity, heterogeneity, connectivity, refugia, scale, and functionality that would determine the watershed's ability to recover. Robin then used a map to indicate the historic ecology studies completed by SFEI and described how they are done and how they can be used to develop landscape – level resilient restoration strategies. Robin presented the Napa River as an example and showcased a new book, Napa Valley Historical Ecology Atlas (Exploring a Hidden Landscape of Transformation and Resilience), which is a culmination of historical research on the Napa Valley, looking back to the 1800's and moving on to the present. Robin explained the "Nodes Concept" as being important for Napa County restoration planning, which involves aiming for specific larger spots for restoration to get real improvements in function and resilience. Robin also let the group know that the Delta Project was finished in time to influence how people think about restoration. He highlighted the effort to look at functional landscape units that illustrate how different processes occur in different parts of the Delta: habitat types (proportion, size, position), connectivity, complexity, temporal variability, and physical setting. Robin announced that a report has just been made available: Sacramento-San Joaquin Delta Historical Ecology Investigation: Exploring Pattern and Process. For an interactive map, go to science.kqed.org/quest/delta-map/ and the final report/GIS is also available on: www.sfei.org/DeltaHEStudy. Robin then described a new concept of Re-Oaking. Robin noted that oak groves were a fundamental part of the landscape in the 1800's and can provide a number of potential benefits to communities such as: needed shade, carbon offsets, improved habitat quality for species, increased nutrient/water retention for creek and bay health, etc. Robin presented Flood Control – 2.0-Rebuilding Habitat and Shoreline Resilience through a New Generation of Flood Control Channel Design and Management and described the proposal funded by EPA for \$3 million (½ grant ½ local

match) which includes an implementation project on Novato Creek (MMFCWCD). Robin noted the Novato Creek project overlaps with USACE efforts. Robin presented the "aspirations" of Flood Control 2.0: increase flood capacity through reconnection to tidal marshlands, maximize delivery of fluvial sediment to tidal marshes, reduce need for maintenance dredging, improve tidal marsh habitats and functions, restore other bay habitats, direct unavoidable dredged sediment to environmental re-use, improve channel and marsh water quality, reduce regulatory conflicts, and reduce economic costs. Robin noted that all reports are available at: www.sfei.org/HEP. The Board had several questions. Is the Army Corps at the table in these conversations? (Sometimes, need to get them involved more consistently.) Is it possible to get Army Corps maps? (Yes.) Is there discussion about getting sediment to create wetlands in the Bay? (Yes, SFEI working with BCDC and the Regional Board on a database to get a sense of where sediment is and where it needs to go.)

7. **San Pablo Plan Update.** Jaime O'Halloran, USACE, presented a PowerPoint on the San Pablo Bay Watershed Restoration Program and began by explaining the study authorities: Water Resources and Development Act of 1996 Section 503, which authorizes the Secretary to provide... technical planning and design assistance... in the San Pablo Bay Watershed and the Water Resources and Development Act of 2007 Section 5053, which provides that the Secretary may participate in critical restoration projects... in the following sub-watersheds...: (A) The tidal areas of the Petaluma River, Napa-Sonoma Marsh; (B) The shoreline of West Contra Costa County, (C) Novato Creek; (D) Suisun Marsh; and (E) Gallinas-Miller Creek. Jaime emphasized that Section 5053 authorizes: planning, design, and construction with a \$40 million limit. Jaime then described the San Pablo Bay Watershed Restoration Framework Program Final Report (a partnership effort with the Bay Institute & non-federal partner, the Coastal Conservancy), which takes a watershed approach – <http://online2.cdm.com/sanpablo/program/SanPabloReport.pdf>. Jaime listed the Watershed Study Goals: rehabilitate natural processes within the San Pablo Bay watershed system; protect existing high quality habitat throughout the watershed; restore degraded habitat to high quality ecological and hydrologic function; sustain a healthy community of native species; improve and maintain water quality and in-stream flow; prevent the establishment of new non-native species, and curb the expansion of existing non-native species. Jaime gave examples of projects supported by the program which included hydrologic modeling on Gallinas Creek. Jaime stated that program outreach was conducted and USACE received project proposals from stakeholders throughout five counties. Jaime outlined fiscal year 2012 activities and explained why Lower Novato Creek Watershed was chosen for funding. Jaime provided a map of the Novato Creek study area and highlighted what will be included in the initial evaluation of study area (preliminary draft complete): vegetation and habitat mapping; demographic and land use analysis; problems, opportunities, objectives, and constraints. A feasibility-level study (pending Marin County hydraulic and hydrologic results – January?) will follow. She noted that to finalize the Watershed Report (target end of FY13) and bring the project before Congress, another non-federal partner in addition to Coastal Conservancy is needed. Jaime then presented USACE efforts on sea level rise including: USACE Scenario Based Planning – <http://140.194.76.129/publications/eng-circulars/>; and Global Sea Level Rise Scenarios for the United States National Climate Assessment, December 2012 – <http://www.cpo.noaa.gov/reports/sealevel/>. Jaime concluded with a short description of the USACE Planning Modernization efforts. The Board had several questions. What is the specific area of the Lower Novato Creek Project? (Near Highway 37-see map in presentation.) Is the project being coordinated with the Hamilton Restoration Project? (No plans to connect them because study area does not include Hamilton.) How do local groups work with USACE on issues not addressed by counties? (Can contact Jaime at Jaime.L.O'Halloran@usace.army.mil and she will let you know which planner is involved or can check website.)

8. **San Rafael Membership.** Harry Seraydarian presented a PowerPoint to discuss the City of San Rafael's letter terminating membership in NBWA effective January 7, 2013. The City of San Rafael is in arrears for 2011/2012 dues and has not paid 2012/2013 dues. Harry reviewed MOU requirements for terminating membership, the Administrative Steering Committee's role; and presented options: (1) asking City of San Rafael to reconsider, or (2) accept termination and collect dues owed, or (3) adjust the NBWA 2012/2013 budget. The Administrative Steering Committee has been convened for a meeting on December 19 at 10:00 a.m. at the Marin Municipal Water District to decide how to handle this issue.

9. **Items of Interest.** None.

10. **Items for Next Agenda.**

- * The Relationship between Water and Land Use by Jennifer Krebs, San Francisco Estuary Partnership
- * EcoNorthwest Handbook for Benefit Cost Analysis consistent with DWR Guidelines by Harry Seraydarian

Jack Gibson, Chair, adjourned the meeting at 11:15 a.m.

Submitted By: Elizabeth O. Preim-Rohtla

NEXT MEETING INFORMATION:

January 4 – Marin Community Foundation, 5 Hamilton Landing, Suite 200, Novato, CA 94949

February 1 – Petaluma (Lucchesi) Community Ctr., 320 N. McDowell Blvd., Petaluma, CA 94954-Conf. Rm. 2

The Marin Community Foundation - Map and Directions

Marin Community Foundation

5 Hamilton Landing
Suite 200
Novato, CA 94949

main phone: 415.464.2500

fax: 415.464.2555

Come through the courtyard between the two buildings (Hanger 5 and Hanger 6) and enter through the automatic door in the center of Hanger 5. There is an elevator or stairs to the second level. Our meeting room is called "The Redwood Room"

Going north:

a) Going north on Highway 101, take the Hamilton Field/Nave Dr. Exit. Veer right at the end of the exit ramp and follow Nave Drive going north, parallel to 101. Take a right at Main Gate Road, which leads into Hamilton. (At Crescent, Main Gate Road becomes Palm Drive.)

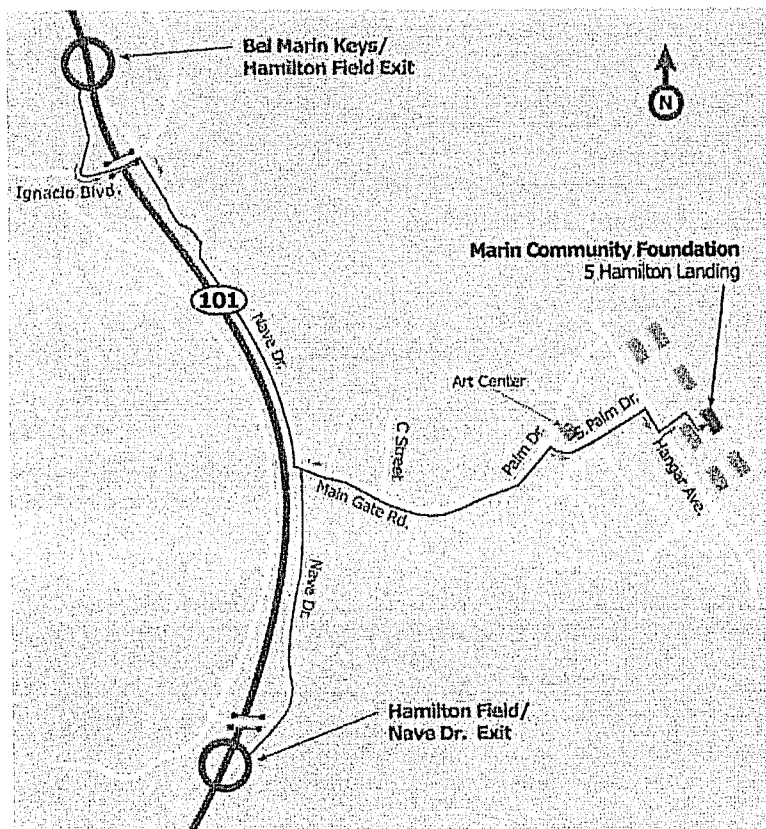
b) Continue until you reach the Arts Center, then bear right onto South Palm Drive. Take South Palm Drive to the end, turn right onto Hangar Avenue, and take an immediate left into the parking lot. MCF is in Hangar 5, at 5 Hamilton Landing. The entrance is down the pathway between Hangar 5 and Hangar 6.

Going south:

Going south on Highway 101, take the Bel Marin Keys/Hamilton Field Exit. At the end of the exit ramp, take a right onto Ignacio Blvd. After crossing the freeway, take an immediate right onto Nave Drive. Take a left onto Main Gate Road, which leads into Hamilton. (At Crescent, Main Gate Road becomes Palm Drive.) Then follow directions "b" above.

From the east bay:

Cross the Richmond-San Rafael Bridge and continue on 580 until it merges onto 101 North. Then follow the directions for "going north."



NBWA
Watershed Council Meeting Summary
December 13, 2012 – 4:00 p.m. – 6:00 p.m.
Novato Sanitary District
500 Davidson Street
Novato, CA 94945

I. Introductions.

Introductions began at 4:10 p.m. and Harry Seraydarian, NBWA Executive Director, reviewed the agenda.

II. BAIRWMP Update/North Bay Sub-Region. Harry used a PowerPoint presentation to provide an update on the Bay Area Round 2 IRWMP process www.bairwmp.org. Harry first summarized the ranking results for the 315 projects submitted for the BAIRWMP Plan Update and noted that the North Sub-Region had 16 projects in the top 50 projects in Tier 1 and 20 out of 55 in Tier 2. Harry then outlined the approach to Prop 84 Round 2 funding. He described what was required of project proponents who submitted for Round 2: implementation in 2014-2016; matching funds of 25%; ability to define physical benefits and documentation for a benefit/cost analysis; cash for a consultant to prepare application; and a request between \$.5m and \$5m. Harry noted that proponents with multiple submittals were asked to prioritize their projects. Harry then described the conceptual options presented at the Bay Area Coordinating Committee meeting on November 26: Most Integrated; Sub-Regional; Functional Area Emphasis; Climate Change; and Hybrids. Harry then presented the factors used in evaluating options: fair and equitable allocation of funds throughout region, sub-regions, and functional areas; maintain stakeholder engagement throughout sub-regions and functional areas; efficient use of resources; and must meet DWR criteria for grant to assure a successful grant proposal (benefit/cost analysis (ability to provide detail for analysis); match (25% match or DAC waiver); and readiness to proceed). Harry then provided a summary of the results of each initial option and the problems with each: Most Integrated (which included ranking based on ability to meet DWR requirements) – no South Bay projects; Sub Region – too many projects with some too small or low scoring; Functional Area – limited funds to south and some projects and amounts not clearly defined. Harry described the North Bay process in more detail including the suggestions to each county. Harry also noted the other factors that came into play: DWR considers projects separate if separate entity or separate under CEQA – therefore combining projects on Lagunitas Creek or in Solano has no benefit with grant application and Project Screening Committee (PSC) decided proponents cannot combine a lower scoring project (affects Solano LT). Harry noted the climate change option was developed but dropped given the distribution of projects. Harry then presented the hybrid options that were developed to address problems. These included: E-1 – based on sub-region process but adjustments made to reduce number of projects and add in conservation and STRAW as regional projects; E-2 (same as E-1 but \$1m for planning) – dropped given number of implementation projects; and E-3 based on most integrated approach with adjustments for regional projects. Harry identified the projects under consideration for the North Bay in the hybrid options and noted the differences. Harry ended with next steps – the PSC had decided that afternoon to recommend the hybrid options and identify the common projects for the Bay Area Coordinating Committee on December 17 so the consultant could proceed with those projects.

III. BAIRWMP - North Bay Project Dialogue.

- * Participants engaged in lively dialogue about the BAIRWMP Round 2 Process.

Action – Participants can send comments about the Round 2 process to Harry who will share them with Bay Area Project Screening Committee

IV. Wrap Up.


- * Will hold another Watershed Council Meeting in March, 2013
Possible topics:
 - * Regional Curves Project
 - * NOAA Coastal Prediction Project – Improving Quantitative Precipitation Information
 - * North Bay TMDL Progress Report

Meeting adjourned at 5:30 p.m.

Participants:

Betsy Bikle – Mill Valley Stream Keepers
Chris Choo – Marin County, Dept. of Public Works
Caitlin Cornwall – Sonoma Ecology Center
Lisa Godfrey – CA Land Stewardship Institute, Fish Friendly Farming/Napa Green
Trathen Heckman – Daily Acts
Doug Moore – West Yost Assoc.
Carl Morrison – Morrison & Associates, Inc.
Nancy Scolari – Marin RCD
Susan Stompe – Marin Conservation League
Rick Thomasser – Napa County
Harry Seraydarian – NBWA Executive Director

MEMORANDUM

To: Board of Directors
From: Chris DeGabriele, General Manager 
Subject: Technical Advisory Committee – Monday, January 7, 2013
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January 11, 2013

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: None

Agenda and accompanying information attached.

3. Recap from December 3, 2012 TAC Meeting and Approval of Minutes

The Minutes were unanimously approved as mailed.

4. TAC Budget Subcommittee Status

The TAC was informed that Darrin Jenkins from the City of Rohnert Park will be the Budget Subcommittee Chair. The first Budget subcommittee meeting is scheduled for January 16th and another is scheduled for January 23rd to review the preliminary SCWA FY 2013/14 Budget.

5. Sonoma-Marin Saving Water Partnership Annual Report FY 2011/12

Carrie Pollard from SCWA provided a presentation on the subject Annual Report. Copies of the report were available for distributions. Copies have been provided for the NMWD Board, sent to Novato City Council Members and Marin County Board of Supervisors. SCWA will send the report to the State Water Resources Control Board, Department of Water Resources and Elected Officials in Sacramento and Washington.

6. Water Supply Strategies Action Plan Update 2013

Jay Jasperse from SCWA made brief oral presentation indicating that the Draft 2013 Water Supply Strategies Action Plan Update has been distributed to TAC members. Comments are requested by January 18th. The WAC will receive a presentation on the 2013 Update at their February 4th meeting, and then the SCWA Board will receive the update.

7. Potential Projects for Further Evaluation

The TAC reviewed my memo and the brief white paper on Potential Regional, Subregional and Local Water Supply Projects for further evaluation. The TAC unanimously adopted the

seven projects listed in the white paper and will recommend to the WAC at their February meeting that TAC and agency staff identify available funding to engage consultants and conduct an in-depth analysis of these water supply sources.

8. Biological Opinion Status Update

Pam Jeanne from SCWA provided a brief oral update including a recap of the Public Policy Facilitating Committee meeting held on December 20th. Grant Davis indicated that the U.S. Army Corps of Engineers budget for fiscal year 2014 includes \$6M in additional Operations and Maintenance Funding for Biological Opinion efforts on the Russian River. He expects to report back at the February 4th WAC meeting on the status of the corps budget requests and expects that SCWA will lobby legislatures and agency officials in Washington at the end of February coincident with the Association of California Water Agencies, Washington D.C. Conference.

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



TECHNICAL ADVISORY COMMITTEE

MONDAY, JANUARY 7, 2013

9:00AM

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

1. Check In
2. Public Comment
3. Recap from December 3, 2012 TAC Meeting and Approval of Minutes
4. TAC Budget Subcommittee Status
5. Sonoma Marin Saving Water Partnership Annual Report FY 2011/12
6. Water Supply Strategies Action Plan Update 2012
7. Potential Projects for Further Evaluation
8. Biological Opinion Status Update
9. Items for next agenda
10. Check Out

Draft Minutes of Technical Advisory Committee
35 Stony Point Road, Santa Rosa, California
December 3, 2012

Attendees: Glen Wright, City of Santa Rosa
Linda Reed, City of Santa Rosa
Linda Hall, City of Santa Rosa
Toni Bertolero, City of Sonoma
Milenka Bates, City of Sonoma
Remleh Scherzinger, City of Petaluma
Darrin Jenkins, City of Rohnert Park
Krishna Kumar, Valley of the Moon Water District
Chris DeGabriele, North Marin Water District
Mike Ban, Marin Municipal Water District
Carrie Pollard, SCWA
Spencer Bader, SCWA
Jay Jasperse, SCWA
Pam Jeanne, SCWA
Mike Thompson, SCWA

Public Attendees: Richard Dowd, City of Santa Rosa BPU
David Keller, FOER
Dietrich Stroeh
Bob Anderson, United Wine Growers
Colleen Fernald

1. Check-in
Chair Chris DeGabriele called the meeting to order at 9:06a.m.
2. Public Comment
None
3. Elect TAC Vice Chair
Chair DeGabriele asked for nominations for the Vice Chair. Glen Wright, City of Santa Rosa, was nominated by Darrin Jenkins, City of Rohnert Park, as the TAC Vice Chair, seconded by Toni Bertolero, City of Sonoma; unanimously elected.
4. LRT2 Recommendation for FY 2013/14
The draft memo was emailed to the members. Sonoma has a well project they want to fund in 2013. Rohnert Park and Cotati have requested funding. Santa Rosa and Marin Municipal will have future projects. Charging \$10 an acre foot per year would enable funding of the program going forward. Moved by Glen Wright, Santa Rosa, to increase the funding, Krishna Kumar seconded: unanimously passed.
5. Sonoma Marin Saving Water Partnership Annual Report FY 2011/12
Carrie Pollard made the PowerPoint presentation of the Sonoma Marin Saving Water Partnership Annual Report for FY 2011/12. The report will be posted on SavingWater.org.

Colleen Fernald commented on water supply and treatment of contaminants. She inquired about impact studies on the environment.

6. Water Supply Strategies Action Plan Update

Jay Jasperse, SCWA, presented the Water Supply Strategies Action Plan Update. The plan was emailed to the group last week. The first plan approval was in 2010, with the first update in 2011, with this report being the second update. Comments are asked to be submitted by December 14.

7. Biological Opinion Status Update

Pam Jeanne, SCWA, reviewed the Biological Opinion Status November 2012 Update which was emailed to the members. Questions and comments followed from the committee.

8. Items for Next Agenda

January 7 TAC

Sonoma Marin Saving Water Partnership Annual Report FY 2011/12
Biological Opinion Status Update

9. Check Out

Next WAC/TAC meeting is February 4
Next TAC meeting is January 7

Chair Chris DeGabriele adjourned the meeting at 9:49a.m.

2011/2012 Sonoma-Marín Saving Water Partnership Annual Report

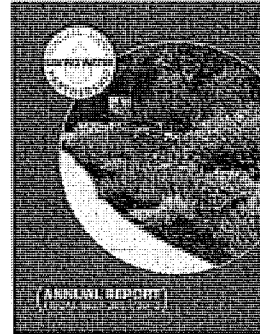


Carrie Pollard
Principal Programs Specialist
carrie.pollard@scwa.ca.gov



www.sonomacountywater.org

Putting It Together

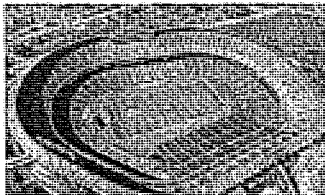


- Data Request
- Data Review/
Quality Control
- Report Design
and Layout
- Feedback and
Review

Highlights

- 340,607 square feet of lawn removed through turf conversion programs

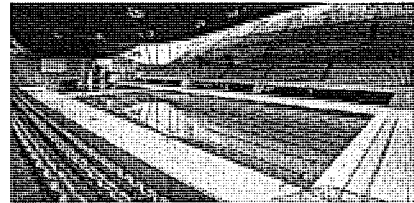
Enough to cover nearly six professional football fields



Highlights

- 23,696,000 gallons of water per year saved through sustained reduction programs

Enough to fill nearly 36 Olympic swimming pools



Highlights

- 5,801 students received direct instruction from Water Education Program staff

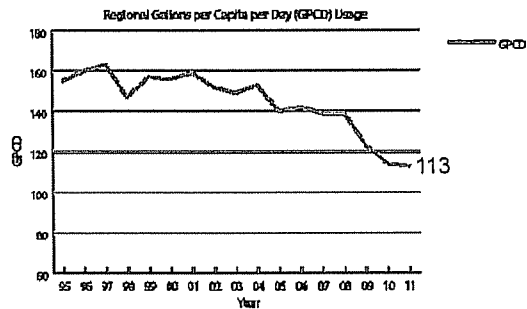


Expenditures

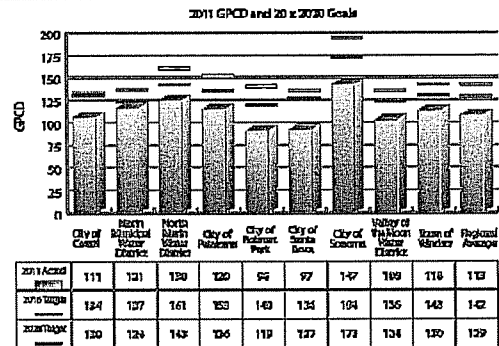
Program Expenditures (in thousands of dollars)

	City of Cotati	Marin Northwest Water District	Marin North Water District	City of Petaluma	City of Belmont Park	City of Corte Madera	City of Sausalito	Valley Cotton Woods Water District	Town of Windsor	Sonoma County Water Agency	Regional Total
FY 09-10	\$74	\$2,200	\$478	\$500	\$19	\$1,400	\$160	\$200	\$500	\$1,500	\$7,701
FY10-11	\$107	\$1,600	\$566	\$552	\$17	\$1,231	\$187	\$120	\$150	\$1,579	\$6,259
FY11-12	\$116	\$1,000	\$523	\$600	\$21	\$1,000	\$117	\$72	\$143	\$1,203	\$5,704
Historical											

Regional GPCD



20 x 2020 Goals



Next Steps

- Distribution
 - Print
 - Websites: Partnership and Partner sites
www.savingwaterpartnership.org
- Outreach/Education
 - State Board
 - General Public
 - Elected Officials

Comments



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Principal Programs Specialist
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www.sonomacountywater.org

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2013 WATER SUPPLY STRATEGIES ACTION PLAN

EXECUTIVE SUMMARY

In September 2010, following a 16-month process of community involvement, the Sonoma County Water Agency Board of Directors approved nine Water Supply Strategies developed to increase water supply system reliability, resiliency and efficiency in the face of limited resources, regulatory constraints and climate change uncertainties.

Under Board direction, the 2010 Water Supply Strategies Action Plan described how each strategy was being carried out through specific activities and projects, identified involved parties and provided the state and budget information for each activity or project. The Board recognized that the plan is a living document and requested regular updates. The first update was provided in 2011.

The Water Agency is pleased to report that many activities identified in the 2011 Action Plan were successfully completed. The 2013 Action Plan identifies new activities initiated to support the strategies and also activities that are continuing or have been reprioritized.

As in prior plans, the 2013 Action Plan recognizes the importance of specific stakeholder and general community involvement in successfully carrying out the strategies. Stakeholders who are working with the Water Agency on implementation of a particular action item are specifically mentioned as Involved Parties. Where community involvement is occurring or anticipated during all or part of the process, "community groups" are indicated as Involved Parties. In addition, many Action Plan activities will be reviewed or approved at Water Advisory Committee, Flood Control Zone, Agency Board of Directors and other public meetings. Members of the general public will have the opportunity to review and comment on the activities at all such forums.

Major accomplishments and changes from the 2011 Action Plan are summarized below and in the attached spreadsheet.

Actions Successfully Completed

The last year was marked by major accomplishments in implementation of the Russian River Biological Opinion: The Dry Creek Habitat Enhancement Feasibility Study was completed. Two additional tributary enhancement projects were constructed, meaning that four of five required projects required are now complete.

The Dry Creek Habitat Enhancement is the guiding document for one of the major mandates of the Biological Opinion: Enhancing six miles of habitat. The study identified nine miles of potential habitat improvements, including constructed log jams, backwaters, side channels, riffles, boulder clusters, bank stabilization and vegetation management. Using the study as a guide, Water Agency staff is reaching out to landowners for the second and third miles of habitat enhancement. (The first-mile demonstration project is already underway – see below.)

In 2012, two important projects were completed on tributaries to Dry Creek, making it easier for coho and steelhead to migrate to historic spawning grounds. Both the Crane Creek restoration project and the Grape Creek bridge fish passage project were accomplished in partnership with Sotoyome Resource Conservation District and private landowners. These projects will remain in the action plan, as they will be monitored to see how fish are faring with the improvements.

The Water Agency completed other projects and activities of note over the last year, including securing rights to clean energy generated at Warm Springs Dam (hydropower) and the county landfill (methane) and construction of a

new recycled water storage pond at the Sonoma Valley County Sanitation District plant.

Significant Progress

Significant progress was made on several 2011 Action Plan items that will continue to be listed in the 2013 Action Plan, including:

- The first phase of the Dry Creek Habitat Enhancement Demonstration Project was completed at Quivira Vineyards and Winery. The second phase (involving several landowners) will be constructed in summer 2013.
- Following the Board's approval of a Lagoon Management Plan in 2011, monitoring continues of water quality, fish, invertebrates, seals and other pinnipeds in the estuary between May 15 and October 15.
- An Independent Science Review Panel was created, with the goal of providing science-based information on the interaction of groundwater and tributary flows in the upper Russian River.
- Utilizing a \$1.6 million grant that helped construct the new Sonoma Valley County Sanitation District recycled water storage pond, design and right-of-way acquisition is nearly completed on a recycled water pipeline that will help restore the Napa Salt Marsh.
- The Water Agency and Water Contractors continued funding the Sonoma-Marin Saving Water Partnership and its comprehensive public outreach campaign.
- Environmental analysis and modeling are well underway for the Fish Flow project.
- Climate change modeling, including the Hydrometeorology Test Bed, continues.
- Progress is ongoing in completing Sonoma Valley groundwater management projects. Monitoring wells were installed, groundwater levels are being monitored and public outreach conducted.
- Santa Rosa Plain groundwater management activities continued, with the creation of a Basin Advisory Panel, which recommended to the Water Agency Board that a Groundwater Management Plan be initiated.
- The state-required California Statewide Groundwater Elevation Monitoring program continued in designated basins, with water levels measured and reported.
- Several hazard and operational reliability projects are ongoing, including the earthquake fault crossing mitigation at Rogers Creek, the Russian River and Mark West Creek; liquefaction mitigation for Collectors Three and Five, isolation valve replacement; and installation of flow monitors.

Reprioritization

Several items listed in the 2013 Action Plan have been reprioritized, based on changed conditions, funding opportunities or loss, or other circumstances. Projects falling into this category include:

- **Dry Creek Habitat Enhancement Miles 2 & 3.** Using the final Feasibility Study, Water Agency staff is working with Dry Creek landowners to assess interest in participating in the second and third miles of habitat enhancement. This item has been moved from Near Term to immediate, to meet the 2016-2017 construction deadline.
- **Water supply reliability analysis.** This analysis of reliability in the upper Russian River has been moved from Near Term to Immediate.
- **Potter Valley Project relicensing.** PG&E's Potter Valley Project will be considered for relicensing in 2022. Water Agency staff will begin preliminary activities, including analysis of technical operations and review of hydrologic and fishery data and studies.
- **Climate change adaptation.** This item has been moved from Near Term to Immediate, and outreach and information gathering has been added to the task of developing actions to improve reliability in face of climate change.
- **Energy items.** In the 2011 plan, an item was added to assist interested Water Contractors in joining PWRPA. Unfortunately, PWRPA doesn't allow wheeling of power to contractors, and this item has been removed from the Action Plan.

New Actions

Several items were added to the 2013 plan to reflect new Water Agency initiatives, areas of focus or funding opportunities, including:

- **Mirabel enhanced fish barrier passage facilities.** We added to the Action Plan the Water Agency's efforts to comply with the Biological Opinion by constructing enhanced fish barrier passage facilities, including new screens at intake, fish ladder and viewing gallery. The Water Agency received grant funding to design new screen, fish ladder and viewing gallery. The design is now 90 percent complete; an environmental document has been released; an application has been submitted for a construction grant; and construction is slated for 2014.
- **Outreach and information gathering on climate change adaptation.** Information must be gathered from federal, state and local agencies and NGOs to determine the status of various climate change adaptation activities. This information will support the development of reliability actions.
- **New operation reliability projects.** Several reliability projects were added, including Santa Rosa Aqueduct cathodic protection, Mirabel surge protection, Kawana to Sonoma booster upgrade, Sonoma booster pump upgrade, and improvements to the Wohler-Santa Rosa pipeline at the Santa Rosa Creek crossing.
- **Sonoma County Efficiency Financing.** This new financing tool for local government (including water districts, cities, special districts and school districts) can lead to increased water-use and energy efficiencies at an affordable price.

For more information, please refer to the attached spreadsheet, which summarizes the changes to all 2011 Immediate Actions. The 2013 Update provides additional information and details on all actions. These documents can be found online at www.sonomacountywater.water-supply-strategy.

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Water Supply Strategy One

ENSURE ADEQUATE SUMMERTIME WATER FLOW THROUGH DRY CREEK VALLEY

Immediate Action One:

Habitat enhancement, as required by the Biological Opinion, to increase capability of Dry Creek to accommodate summer flows while protecting coho and steelhead.

A. Project: Demonstration project

Build Mile One of Dry Creek habitat enhancement by 2014.

STATUS: The design is complete. Landowner right of way process is underway. Construction has begun with a completed backwater segment at the northern end of the project. The majority of construction on Mile One is slated for summer 2013.

Involved Parties (A and B):

- Dry Creek property owners, NMFS, US Army Corps of Engineers (USACE), CDFG, Water Contractors, community groups

B. Project: Development of success measures

Develop criteria for measuring success of Dry Creek habitat enhancement program.

STATUS: A facilitated process to develop and implement specific success criteria is ongoing, and anticipated to be complete in early 2013. The process includes the Water Agency, NMFS, USACE and CDFG.

Involved Parties:

- NMFS, USACE, CDFG

C. Project: Construct Miles Two and Three of Dry Creek Habitat enhancement by 2017 *NEW!*

Using results of completed feasibility study, complete construction of miles 2 and 3 by 2017.

Reach out to landowners whose property has been identified as having high potential of success for habitat improvements.

STATUS: Outreach has begun to property owners.

Involved Parties:

- Dry Creek property owners, NMFS, CDFG, USACE

Immediate Action Two:

Reduce peak demands that affect Warm Springs Dam releases (also see Strategy 8)

A. Project: New reuse

Pursue reuse projects involving Water Agency including Windsor (Airport Service Area) and Sonoma Valley (Sonoma Valley County Sanitation District -- SCVSD).

STATUS: Windsor and the Water Agency are working on market analysis and lifecycle cost assessment as a follow-up to completed feasibility study of recycled water project. In Sonoma Valley, the sanitation district designed and constructed a pipeline and storage facilities, partially funded through a Bureau of Reclamation grant. The district is seeking additional funding for new pipeline extensions.

Involved Parties:

- Windsor (in Airport area). In Sonoma Valley: City of Sonoma, North Bay Water Reuse Authority, SVCSD, Valley of the Moon Water District, community groups

B. Project: Storage - Groundwater Banking Feasibility Study

Develop Phase 1 regional study and Phase 2 site-specific work plans to implement pilot studies for

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each Water Contractor.

STATUS: The study is in progress and expected to be completed in winter 2013.

Involved Parties:

- Cotati, Rohnert Park, Windsor, Sonoma, VOMWD, community groups

C. Project: Retrofit/conservation

- High Efficiency Fixture direct install program
- AB715 and SB407 mandate high efficiency toilets and fixture retrofit on resale
- Water management grant funding tied to water conservation Best Management Practices
- Implement regional programs through the Sonoma Marin Saving Water Partnership
- Implement regional programs that target outdoor water use
- Encourage water use efficiency through outreach and education

STATUS: The Sonoma Marin Saving Water Partnership continued the outreach campaign featuring people who've saved water by running prominent ads in local papers; our Eco Friendly Garden Tour boasted over 600 attendees; and the Direct Install Program was re-started in six of the eight Water Agency sanitation service areas.

Involved Parties:

- For state-mandated efforts and implementation of the Saving Water Partnership, all Water Contractors, community groups

D: Project: Leak detection

Conduct research in development of advanced analytics tool to evaluate the system flow and pressure monitoring data to help detect leaks in transmission and distribution systems.

STATUS: The pressure management component of the project was completed in August 2012. IBM developed a web-based application tool for balancing pressures and minimizing pressure spikes. The VOMWD has incorporated the pressure recommendations into its operational decision making, and has found significant benefits (including a reduction in pipe breaks). A demonstration of the tool's ability to predict leak locations is ongoing.

Involved Parties:

- VOMWD and IBM

Immediate Action Three:

Implement five tributary restoration projects, as required by Biological Opinion, with goal of enhancing coho and steelhead habitat.

A. Project: Grape Creek and Crane Creek restoration projects

STATUS: Construction is complete for these two projects. First year monitoring occurred summer 2011 in Grape Creek, with juvenile coho found upstream of and in restored areas. Sotoyome Resource Conservation District is managing the Crane Creek project. Monitoring is underway.

B. Project: Grape Creek, Willow Creek and Wallace Creek fish passage projects

STATUS: Both the Grape Creek and Willow Creek fish passage projects are complete. Monitoring has begun. Design for Wallace Creek project is complete, but right-of-way issues have delayed construction and project will likely be abandoned, and a new project identified.

Involved Parties (A and B):

- Private landowners, Sotoyome RCD, Sonoma County DTPW, NMFS, CDFG, community groups

Immediate Action Four:

Identify and secure federal, state, and grant funding for implementation of Biological

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Opinion.

A. Project: Seek federal and state funding

Water Agency representatives in Washington, D.C. and Sacramento are pursuing funding for studies and projects required by the Biological Opinion.

STATUS: State grant application submitted for funding of fish screen/ladder/viewing gallery. Federal activities have been focused on USACE authority and funding for Dry Creek habitat enhancement projects. USACE received funding for a pilot enhancement project immediately below WSD.

Involved Parties:

- NMFS, USACE, CDFG, Water Contractors, community groups

B. Project: Proactively work with Water Contractors to ensure their timely assistance in funding efforts and report activities at WAC meetings.

STATUS: Biannual discussions on legislative activities will be scheduled for WAC and TAC meetings.

Involved Parties:

- Water Contractors

Near Term Action One:

Develop contingency plan for funding and construction of Dry Creek bypass pipeline if, contrary to expectations, habitat enhancement efforts fail.

A. Project: Bypass pipeline contingency planning

STATUS: To be determined during budget discussions after completion of habitat enhancement studies and pipeline feasibility study.

Involved Parties:

- NMFS, USACE, CDFG, Water Contractors

Near Term Action Two:

Conduct engineering and water quality analysis for Dry Creek bypass pipeline.

A. Project: Conduct bypass pipeline engineering and water quality analysis

STATUS: A study to develop and implement a plan to evaluate sediment issues at potential outlet sites (if pipeline construction is necessary) will be conducted within three years.

Involved Parties:

- NMFS, USACE, CDFG, Water Contractors

Long Term Action One:

Construct fourth, fifth and sixth miles of Dry Creek habitat enhancement, per Biological Opinion.

A. Project: Habitat enhancement

STATUS: To be completed by 2021 if first three miles restored and found successful by NMFS/CDFG in 2018.

Involved Parties:

- Dry Creek property owners, NMFS, USACE, CDFG, community groups

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Long Term Action Two:

If habitat enhancement efforts are unsuccessful, build Dry Creek bypass pipeline.

A. Project: Conduct necessary financial and environmental studies and identify timing of projects

STATUS: To be determined.

B. Project: Construct bypass pipeline

STATUS: To be determined.

Involved Parties (A and B):

- NMFS, USACE, CDFG, Water Contractors, community groups

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Water Supply Strategy Two

IMPROVE MANAGEMENT OF RUSSIAN RIVER SYSTEM TO PROTECT FISHERIES AND MEET WATER DEMANDS

Immediate Action One:

Modify Decision 1610 minimum instream flow requirements as required by Biological Opinion and make technical adjustments to existing water rights.

A. Project: Decision 1610 changes

Petition for changes to Decision 1610 instream flow requirements, as required by Biological Opinion, and develop petitions for water rights technical adjustments.

STATUS: State Water Resources Control Board (SWRCB) issued notice of Water Agency's 2009 petition, with comment period closing in May 2010. Water Agency received 384 protests to the petition.

Negotiations are ongoing, but protests are not expected to be resolved until after release of Final EIR for the Fish Flow Project (see C below).

Involved Parties:

- SWRCB, Water Contractors, USACE, NMFS, CDFG, community groups

B. Project: Modeling and development of new hydrologic index

Conduct modeling for Fish Flow Project EIR using new ResSim model, updated demand profile, unimpaired flows and Biological Opinion-specified summer flows. Develop new hydrologic index with assistance from the USACE's Hydrologic Engineering Center (HEC) and the Hydrologic Index Technical Advisory Group (HITAG), comprised of representatives from state and federal agencies.

STATUS: Development of new hydrologic index and minimum instream flow alternatives is in progress. Climate change modeling scheduled for winter 2013.

Involved Parties:

- USGS, NOAA, USACE, DWR, SWRCB

C. Project: Fish Flow Project Environmental Impact Report (EIR)

Prepare EIR for modified Decision 1610 minimum instream flow requirements and technical water rights

Adjustments, including new hydrologic index.

STATUS: Notice of Preparation was released in September 2010. Draft EIR anticipated to be released in 2013.

Involved Parties:

- Water Contractors, SWRCB, USACE, NMFS, CDFG, community groups

D. Project: Submit annual interim change petitions

STATUS: As per Biological Opinion, since 2010 the Water Agency has submitted petitions to SWRCB to reduce minimum flows. These petitions were approved, required monitoring and reporting was conducted and subsequent orders implemented. The Water Agency plans to submit another petition to the SWRCB in 2013.

Involved Parties:

- SWRCB, Water Contractors, NMFS, CDFG, Russian River water users, community groups

Immediate Action Two:

A. Project: Estuary Adaptive Management

Biological Opinion requires modification of the Water Agency's Russian River estuary program, including managing the estuary as a summer lagoon for steelhead rearing habitat between May 15

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and October 15, and breaching the sandbar that closes the mouth of river as needed to minimize flood risk the remainder of the year.

STATUS: The Final EIR was certified and the project approved in August 2011. A lawsuit challenging the adequacy of the EIR was settled in September 2012.

Involved Parties:

- NMFS, CDFG, community groups

Immediate Action Three:

Work with interested parties to form an independent science review panel to evaluate existing data and develop a conceptual model regarding the hydrologic system upstream of the confluence of Dry Creek and the Russian River

A. Project: Formation of science panel

Participate in the formation of an interdisciplinary, independent science review panel for the upper Russian River system. Purpose of panel is to describe how system (groundwater, surface water) works and identify data gaps.

STATUS: Funding was approved in spring 2012; the panel was formed in August 2012; a kickoff meeting and tour was held in October 2012; and a science forum is planned for January 2013.

Involved Parties:

- Grape growers and other stakeholder and community groups.

Immediate Action Four:

Support enhanced weather forecasting for frost protection and irrigation by agriculture.

A. Project: Demonstration Project

Provide funding and support to NOAA to develop improved temperature forecast modeling tools. Focus will be on Alexander Valley, with goal of improving forecasts of frost and hot spells. Study will downscale and correct models and integrate weather station data provided by the Winegrape Commission and other parties. (Coordinate with Strategy 3, Immediate Action 2 if possible.)

STATUS: Project being implemented. Trial testing began in spring 2012. Water Agency and NOAA are installing radar designed to identify the height of inversion layers.

Involved Parties:

- NOAA, grape growers and Sonoma County Winegrape Commission

Immediate Action Five:

Enhance operations at Lake Mendocino to increase water supply.

A. Project: Corps operations

Enter into Memorandum of Agreement (MOA) with USACE to evaluate potential options for modified reservoir operations.

STATUS: Water Agency and USACE entered into a MOA to evaluate reoperation of Coyote Valley Dam to provide improved water supply reliability. Preliminary work has been conducted and the study is anticipated to begin in spring 2013.

Involved Parties:

- USACE, plus NOAA and National Weather Service for data collection and modeling

B. Project: Local users

Develop comprehensive water use agreement with Mendocino County water districts.

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STATUS: Discussion ongoing.

Involved Parties:

- Mendocino County Russian River water users, SWRCB, community groups

Immediate Action Six:

Prepare reports on Water Agency's water rights.

A. Project: Reports

Prepare annual water rights reports, detailing total water use including local supplies, water conservation savings and recycled water for offset of Russian River supplies.

STATUS: Water Agency submitted its annual water rights permit progress and licensee reports for Water Year 2011 to the SWRCB on June 29, 2012.

Involved Parties:

Water Contractors, SWRCB, other Russian River water users under contract to the Water Agency

Immediate Action Seven:

Conduct water supply reliability analysis of the upper Russian River. Evaluate existing information regarding demand/use; gather new information from users; update demand analysis; model possible future scenarios; and evaluate impacts on reliability of Lake Mendocino

A. Project: Water Supply Reliability Analysis

Implement technical work need for studies, monitoring and modeling activities described above.

STATUS: Outreach to stakeholders has begun.

Involved Parties:

- Mendocino County Russian River Flood Control and Water Conservation Improvement District, municipalities and water districts north of Dry Creek confluence, grape growers, SWRCB, other Russian River water users, community groups

Immediate Action Eight: *NEW!*

Construct new fish screens at Mirabel, in compliance with Biological Opinion.

A. Project: Build enhanced fish barrier passage facilities at intake for infiltration ponds

Design and construct enhanced fish barrier passage facilities, including new screens at intake, fish ladder and viewing gallery at inflatable dam.

STATUS: Grant funding was received to design new screen, fish ladder and viewing gallery. Design is 90 percent complete; environmental document has been released; application has been submitted for a construction grant; and construction is slated for 2014.

Involved Parties:

CDFG, NOAA, Water Contractors

Immediate Action Nine

A. Project: Prepare for Potter Valley Project (PVP) re-licensing proceeding

PG&E's FERC license will expire in 2022. The relicensing process will likely begin in the next several years. The Water Agency and its customers must prepare to participate in the relicensing to ensure their interests and those of the Russian River ecosystem and water users are incorporated into future operation of the PVP.

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STATUS: During 2012/13, begin preliminary activities, including analysis of technical operations and review of hydrologic and fishery data and studies.

Involved Parties:

- FERC, PG&E, NMFS, USACE, Round Valley Tribes, Water Contractors, Russian River water users, community groups

Near Term Action One:

Implement water management in Dry Creek per agreement with Dry Creek property owners.

A. Project: Variety of Actions

Implement actions related to water management programs, studies, and monitoring activities specified in Dry Creek water management agreement.

STATUS: Awaiting land owner sign ups from Dry Creek Agricultural Water Users, Inc. Also need federal approval. Project moved from Immediate to Near Term. Focus has shifted to Dry Creek activities required by the Biological Opinion.

Involved Parties:

- Dry Creek Agricultural Water Users, Inc., Secretary of Army

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Water Supply Strategy Three

PLAN FOR THE IMPACT OF CLIMATE CHANGE ON WATER SUPPLY & FLOOD PROTECTION

Immediate Action One:

Conduct climate change modeling for Russian River and Sonoma Valley watersheds.

A. Project: Develop Model

Develop predictive model for Sonoma Valley and Russian River watersheds that downscales large climate models to local watershed scale. Model will provide hydrology input to Water Agency's model (ResSim) and to Sonoma Valley and Santa Rosa Plain groundwater models.

STATUS: Study is underway and anticipated to be complete in 2013.

Involved Parties:

- U.S. Geological Survey (USGS)

Immediate Action Two:

Support development of Hydrometeorology Test bed (HMT) for the Russian River basin.

A. Project: Support federal partners

This demonstration project will enhance precipitation monitoring and forecasting through data collected from privately owned Doppler radar stations and will deploy additional on-the-ground weather stations. It will also improve temperature forecasting in Alexander Valley by improving NOAA's models.

STATUS: NOAA and the Water Agency are working on the demonstration program.

Involved Parties:

- NOAA, USACE, USGS, National Weather Service

Immediate Action Three:

Develop Adaptation Measures

A. Project: Outreach and information gathering *NEW!*

Gather information to determine the status of various climate change adaptation activities by federal, state and local agencies and NGOs. Identify areas for collaboration and leveraging resources. These activities will support Project B (below).

STATUS: Activities began in spring 2012.

B. Develop reliability actions

Once climate change predictive modeling is complete, develop actions to increase reliability of water supply, reservoir and river management, conjunctive use, and saline water management.

STATUS: To be determined.

Involved Parties:

- USACE, Regional Climate Protection Authority, Water Contractors, community groups

Long Term Action One:

Update climate change analysis.

A. Project: To be determined

Based on advances in scientific understanding of climate processes and predictive modeling.

Involved Parties:

- USGS

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Water Supply Strategy Four

IDENTIFY AND IMPLEMENT PROJECTS THAT INTEGRATE STORMWATER RECHARGE AND FLOOD CONTROL

Immediate Action One:

Identify projects within Water Agency Flood Control Zones that reduce flooding and increase groundwater recharge.

A. Project: Scoping and Feasibility Studies

Conduct scoping and feasibility study for flood control/water supply projects for Zones 1A, 2A, and 3A.

STATUS: Scoping studies are completed. Stakeholder meetings were held in Sonoma Creek, Petaluma River, and Laguna Mark-West watersheds and project concepts are in development. Feasibility Studies will be prepared for top ranked project concepts in each watershed.

Involved Parties:

- Flood Zone advisory committees, Sonoma County Agricultural Preservation and Open Space District (Open Space District), resource conservation districts (RCD), cities in Zones 1A, 2A, and 3A, Sonoma Land Trust, agricultural organizations, property owners, community groups

B. Project: Seek funding

Apply for state, federal, and private grants to fund studies and potential projects.

STATUS: Received \$1 million from Proposition 84 funds for Copeland Creek project. The Sonoma Valley projects have been listed and received top tier priority in the SF Bay Integrated Regional Watershed Management Plan.

Involved Parties:

- North Bay Watershed Association, Sonoma Valley Basin Advisory Panel, SF Bay IRWMP, North Coast IRWMP, Sonoma Ecology Center, Southern Sonoma RCD, cities, Open Space District, other community groups

Near Term Action One:

Initiate efforts to obtain property rights for project sites identified in immediate actions.

Obtain funding for such projects.

A. Project implementation

Implement projects identified in feasibility study described above.

STATUS: To be initiated once study is completed and funding identified.

Involved Parties:

- Property owners, RCDs, cities, community groups

Long Term Action One:

Design and construct multipurpose stormwater detention facilities.

A. Project:

Specific projects will be constructed dependent on completion of above steps.

Involved Parties:

- Property owners, RCDs, cities, Flood Zone committees, community groups

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Water Supply Strategy Five

BUILD PARTNERSHIPS WITH STAKEHOLDERS TO FACILITATE INFORMATION-BASED WATER SUPPLY PLANNING

Immediate Action One:

Develop non-regulatory AB 3030/SB1938 management plans that emphasize local control. Emphasize development of diversified water supply “portfolios” for each basin. Continue with Sonoma Valley program and initiate program in Santa Rosa Plain.

A. Project: Sonoma Valley

Implement Sonoma Valley groundwater management plan.

STATUS: In progress. Activities undertaken in 2011/12 include public recognition of conservation efforts, water quality sampling of recently installed monitoring wells, basinwide groundwater level monitoring, initial preparation of a salt and nutrient management plan, and public outreach. During FY12/13, the Basin Advisory Panel will conduct a 5-year update of the plan.

Involved Parties:

- Basin Advisory Panel, private well owners, community groups, City of Sonoma, Valley of the Moon Water District, other water purveyors

B. Project: Santa Rosa Plain

Develop groundwater management plan for the Santa Rosa Plain

STATUS: A Basin Advisory Panel convened in December 2011, has met monthly and has developed a charter and governance structure, defined groundwater management plan boundaries, developed draft goals and objectives and conducted constituent briefings. In October 2012, the Water Agency Board approved a resolution of intention to prepare a groundwater management plan.

Involved Parties:

- Private well owners, community groups, cities, Water Contractors, DWR, other water purveyors

Immediate Action Two:

Pursue funding opportunities enhanced by developed management plans. Ranking for state funding enhanced if groundwater management plans are in place.

A. Project: Funding

STATUS: Ongoing effort. Sonoma Valley has received three grants to date, in addition to direct DWR funding and technical support. The SVCSD recently obtained Proposition 84 funding for a salt and nutrient management planning study. Santa Rosa Plain stakeholder process has received DWR state funding for facilitator services in addition to a Proposition 84 grant to fund development of a groundwater plan. Santa Rosa Plain groundwater management process is included in North Coast IRWMP. An application for a Local Groundwater Assistance Grant was submitted to DWR for the construction of addition groundwater monitoring wells and collection of new hydrogeologic data in Sonoma Valley.

Involved Parties:

- State agencies, legislators, North Coast and San Francisco Bay IRWMP, DWR

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Immediate Action Three:

Work with interested parties to form an independent science review panel to evaluate existing data and develop a conceptual model regarding the hydrologic system upstream of the confluence of Dry Creek and the Russian River

A. Project: Formation of science panel

See Strategy 2, Immediate Action 3, Formation of Science Panel

Involved Parties:

- Grape growers, other stakeholders and community groups

Immediate Action Four:

Ensure Water Agency and Sonoma County compliance with the California Statewide Groundwater Elevation Monitoring (CASGEM) program.

A. Project: Preliminary activities - program development

Implement first year of required monitoring for 13 designated basins in county's 14 basins. (The Water Agency is responsible for two basins and through an agreement with the County is monitoring the 11 basins under County responsibility. The City of Petaluma is responsible for the Petaluma Valley basin.)

STATUS: The Water Agency is working with the RCDs and others to conduct outreach, collect groundwater levels, and report data from the 13 basins to the state. Semi-annual water level measurements have been collected since fall 2011, and will be an ongoing activity.

Involved Parties:

- Sonoma County, cities, RCDs, community groups

Near Term Action One:

Implement water management in Dry Creek per agreement with Dry Creek property owners.

A. Project: Variety of Actions (See strategy 2, Near Term Action 1)

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Water Supply Strategy Six

IMPLEMENT PROJECTS TO IMPROVE TRANSMISSION SYSTEM RELIABILITY

Immediate Action One:

In consultation with Water Contractors, develop plan to provide consistent funding for natural hazard and operational reliability capital projects.

Projects with full or partial funding in 2011/12:

A. Project: Rodgers Creek Fault crossing mitigation

STATUS: FEMA obligated funds in October 2010 and construction was awarded in September 2012. The project is anticipated to be complete in 2013.

B. Project: Collector 3 and 5 liquefaction mitigation

STATUS: In FY 2011/12 consultant began a feasibility study to evaluate potential project alternatives. Geotechnical field investigations were completed and a Letter of Intent for FEMA funding was submitted in 2011. The risks of the conceptual designs outweighed the benefits, and so funding applications were delayed. The concepts have been revised and the Water Agency will submit a new Letter of Interest in 2013.

C. Project: Isolation valves

STATUS: The project received preliminary selection for FEMA funding. Preliminary CEQA work began in 2011/12. FEMA recently initiated NEPA review. In 2012/13 the Water Agency will prepare the CEQA documents and support NEPA review, as needed.

D. Project: Flow monitoring – Automated Meter Infrastructure

STATUS: Three base stations and 70 transmitters have been installed. The Water Agency owns 2 additional base stations but they have not been deployed yet. The current goal is to determine the range of each base station by deploying as many transmitters as possible and noting which locations are unable to communicate. This phase should be complete in winter 2013.

E. Project: Russian River crossing

STATUS: The Russian River crossing project has received preliminary selection for FEMA funding. In FY 2011/12, the anticipated FEMA initiation of NEPA review did not occur. Preliminary designs and geotechnical field investigations are complete. CEQA and detailed design have begun. In FY 2012/13, the Water Agency will continue with design work, CEQA documentation and support FEMA's NEPA review, as needed.

F. Project: River Diversion System liquefaction mitigation

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STATUS: In FY 2011/12, the consultant began the feasibility study to evaluate potential project alternatives. The geotechnical investigation is complete. The status of the feasibility study will depend on a similar feasibility study on Collectors 3 & 5.

G. Project: Mark West Creek crossing

STATUS: The project has received preliminary selection for FEMA funding. In 2011/12, the Water Agency responded to FEMA requests for information and awaited FEMA's initiation of NEPA review. In 2012/13, the project scope will be further developed; design and CEQA consultants will be engaged; it's expected that FEMA will initiate NEPA review; and NEPA review will be supported by Water Agency, as needed.

H. Project: Collector 6 liquefaction mitigation

STATUS: In 2012/14, a consultant initiated a feasibility study to evaluate potential project alternatives and the geotechnical investigation was completed. The completion of the feasibility study is pending the outcome of a similar study for Collectors 3 & 5.

I. Project: Cotati Reservoir 3 Recoat

STATUS: The condition assessment was completed in 2011/12. In 2012/13, coating repairs will begin. Partial recoating and spot repairs should allow complete tank recoating to be deferred for several years.

J. Project: Petaluma Aqueduct Cathodic Protection Upgrade

STATUS: In 2011/12, the design progressed to 90 percent. In 2012/13, the design will be completed, right of way will be acquired and the project will be advertised for construction.

K. Project: Santa Rosa Aqueduct Cathodic Protection Upgrade *NEW!*

STATUS: Design to begin in 2012/13.

L. Project: Mirabel Surge Protection *NEW!*

STATUS: Design will be initiated in 2012/13.

M. Project: Kawana to Sonoma Booster Station pipeline *NEW!*

STATUS: An alignment study is underway.

N. Project: Upgrade Sonoma Booster Pump Station *NEW!*

STATUS: In 2012/13, design will be initiated.

O. Project: Santa Rosa Creek Crossing (Santa Rosa Aqueduct) *NEW!*

STATUS: Design will be initiated in 2012/13.

Projects identified as needed but not yet active:

A. Project: Emergency Wells

B. Project: Bennett Valley Fault crossing (Sonoma Aqueduct)

C. Project: Petaluma River crossing (Petaluma Aqueduct)

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- D. Project: Sonoma Creek crossing (Lawndale/Madrone)
- E. Project: Sonoma Creek crossing (Verano Ave)
- F. Project: Calabasas Creek crossing
- G. Project: Kastania Reservoir Recoat
- H. Project: Wohler-Santa Rosa Pipeline **NEW!**
- I. Project: Mirabel Infiltration Ponds rehabilitation **NEW!**
- J. Project: Systemwide in-line meter replacements **NEW!**
- K. Project: Ralphine Tanks flow-through conversion **NEW!**

STATUS:

- Green Projects: Partially or fully funded in FY 2012/2013
- Blue Projects: Have not yet been funded

Involved Parties Green/Blue Projects: Varies according to project

Immediate Action Two:

Continue to pursue state and federal funding for natural hazard reliability projects.

A. Project: Seek Funding

Advocate for funding in Sacramento and Washington, D.C. Effort will be enhanced with regional implementation plan that demonstrates local stakeholder commitment.

STATUS: Ongoing.

Involved Parties:

- Water Contractors, state/federal agencies, community groups

Immediate Action Three:

Work with Water Contractors to reduce peak demand on transmission system via conservation, groundwater banking, local supply, and recycled water.

A. Project:

See Strategies 1, 4, 5, 8 and 9.

Involved Parties:

- Water Contractors, community groups

Immediate Action Four:

Continue research on natural filtration capacity of Russian River alluvial materials.

A. Project: Research on pathogen removal

Continue applied research partnership with USGS to evaluate pathogen removal mechanisms by alluvial materials.

STATUS: Ongoing. Recent Water Agency staff-written and -published results were presented at the American Geophysics Union Conference and the Canadian Water Network water quality conference.

Involved Parties:

- Water Contractors, USGS, California Department of Public Health (CDPH), U.S. Environmental Protection Agency (EPA)

B. Project: Research on surface water/groundwater interaction

Continue studies and modeling of surface water/groundwater interactions in collaboration with

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Lawrence Berkeley National Laboratory (LBNL), USGS and other research institutions to better understand flow mechanics and natural filtration processes as they relate to production and water quality at the Water Agency's riverbank filtration facilities.

STATUS: Ongoing. Recent work presented by Water Agency staff at Geologic Society of America Conference, Groundwater Resource Association of California conference and in published proceedings.

Involved Parties:

- Water Contractors, LBNL, CDPH, EPA

Immediate Action Five:

Continue planning new transmission system projects to increase reliability of existing system.

A. Project: Planning

Develop scope, cost, energy requests, and schedule of transmission system projects required to meet the Water Agency's portion of UWMP-identified projected demands through the Urban Water Management planning horizon. Projects identified using Water Agency's transmission system hydraulic model.

STATUS: Ongoing activity.

Involved Parties:

- Water Contractors

Immediate Action Six:

Evaluate condition of Water Agency's transmission system, especially portions experiencing elevated velocities.

A. Project: Study – Petaluma Aqueduct, Santa Rosa Aqueduct and Oakmont Pipeline

Evaluate the technologies used to assess Water Agency pipelines. Areas targeted for a pilot study to evaluate current and emerging technologies include an eastern segment of the Santa Rosa Aqueduct, a southern portion of the Petaluma Aqueduct and a northern section of the Oakmont Pipeline. If successful, this technology could be used to evaluate the overall transmission system. STATUS: Forensic and petrographic analyses have been conducted from locations throughout the system, with analysis expected in winter 2013. The pilot study of assessment technologies is expected to start in spring 2013.

Involved Parties:

- Water Contractors

B. Project: Leak detection (See Strategy 1, Immediate Action 2, Project D)

Immediate Action Seven:

Five year update and renewal of Local Hazard Mitigation Plan

A. Project: Update Local Hazard Mitigation Plan

STATUS: In 2011/12 the Water Agency executed agreements with consultants. The update of the LHMP has begun and will be completed in January 2013.

Involved Parties:

- Water Contractors, County of Sonoma

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Immediate Action Eight:

Create Mirabel Dam emergency response plan for dam failure or damage

A. Project: Prepare contingency plan

Develop short-term emergency response and long-term replacement plan for inflatable dam.

STATUS: Project was postponed to incorporate information developed during fish screen/fish ladder replacement project. In 2012/13, a consultant will be engaged and the response plan development initiated.

Involved Parties:

- Water Contractors

Immediate Action Nine:

Increase emergency preparedness and response

A. Project: Update emergency response plan

Revise and update the Water Agency's planned response to floods, earthquakes, and other disasters to reflect changes in facilities, responsibilities, and supporting documents. Implement annual review and revision process.

STATUS: Updates are 75 % complete. Final plan revisions anticipated in Winter 2012/13.

Involved Parties:

- Internal Water Agency activity

B. Project: Increase emergency preparedness drills and exercises to improve readiness

Schedule and perform an increased number of emergency drills and exercises internally and in collaboration with Water Contractors and other local agencies to improve response and recovery activities and to identify areas of improvements to Emergency Response Plan.

STATUS: Trainings conducted in 2012. Additional collaborative and internal exercises are scheduled during FY12/13.

Involved Parties:

- Internal Water Agency activity
- Water Contractors and other local agencies
- County of Sonoma

Near Term Action One:

Evaluate performance of collector wells

A. Project: Evaluate Collector Wells 1 and 2

Analyze operational performance of Water Agency's oldest collector wells and, if needed, develop a plan to increase reliability of these facilities.

Involved Parties:

- Water Contractors

Long Term Action One:

Develop emergency response capabilities for collaboration platform (Strategy 9).

STATUS: To be determined

Water Supply Strategy Seven

■ IMPROVE THE ENERGY EFFICIENCY OF THE WATER TRANSMISSION SYSTEM AND INCREASE RENEWABLE POWER USE

Immediate Action One:

Implement Water Agency's energy policy, including achieving "Carbon Free Water"

A. Project: Develop and implement Water Agency renewable energy generation projects

1. Implement Farms to Fuels project.

STATUS: In development.

Involved Parties:

- Private developer OHR Biostar, LLC, PG&E, PWRPA, community groups
2. Explore other locally available renewable energy potential including solar, wind, wave, geo-thermal, solid waste, pyrolysis and biomass.

STATUS: Ongoing.

Involved Parties:

- PWRA, North Coast IRWMP, PRMD, Open Space District, community groups

B. Project: Develop and implement Water Agency energy efficiency projects

1. Implement Sonoma County Efficiency Financing (SCEF) program to audit Water Agency pumping operations, wastewater treatment operations, and facilities for inefficiencies.

STATUS: Initiated in 2012, with anticipated project beginning in summer 2013 if recommendations are acceptable.

Involved Parties:

- Energy Service Company, SCEF

Immediate Action Two:

Implement Water Agency's Energy Policy regarding development of programs and projects of regional benefit

A. Project: Community Choice Aggregation

In April 2012, the Water Agency Board authorized preparation of an Implementation Plan for Community Choice Aggregation (now known as Sonoma Clean Power) to provide details about start-up costs, financing, and level of participation; directed Water Agency staff to hold workshops for local city and town councils; directed staff to pursue the creation of a Joint Powers Authority to govern the entity; and directed staff to investigate possible sources of start-up funding for Sonoma Clean Power.

STATUS: In development.

Involved Parties:

- RCPA, County of Sonoma, local municipalities, other public and private entities and organizations, community groups

B. Project: Renewable Energy Secure Communities (RESCO)

Implement RESCO project to develop renewable energy portfolio for Sonoma County, including piloting organic waste digestion combined heat and power (CHP), wind, geothermal heat pumps using recycled water, and electric vehicle charging stations to run on renewables.

STATUS: In development. Expected completion 2013.

Involved Parties:

- RCPA, CPC, Los Alamos National Laboratory (LANL), Local Power Inc., community groups

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C. Project: Sonoma County Efficiency Financing (SCEF) *NEW!*

Implement SCEF, a program which bundles large energy efficiency projects for local governments and non-profits, and provides cost-effective financing.

STATUS: The Water Agency is working with multiple school districts, local governments and hospitals to encourage participation; standard contract documents have been drafted (which include guaranteed efficiency savings agreements, program participation agreements and payment installment agreements); and a short list of energy service companies have been identified through an RFQ process.

Involved Parties:

- School districts, County of Sonoma, cities, NGOs

D. Project: Emissions Reporting

Voluntarily report carbon emissions to The Climate Registry to verify carbon free status.

STATUS: Ongoing.

Involved Parties:

- Internal Activity, The Climate Registry

E. Project: Register Renewable Energy Credits with Western Renewable Energy Generation Information System (WREGIS)

STATUS: Ongoing

Involved Parties:

- WREGIS

F. Project: Solar

Develop Sonoma County Airport project.

STATUS: The airport project in development, with CEQA underway. A developer has been selected to finance, design, build, own, operate and maintain a PV facility.

Involved Parties:

- PG&E, PWRPA, Sonoma County Charles Schulz Airport, private solar developer

Immediate Action Three:

Pursue state and federal funding for energy efficiency and renewable energy projects.

A. Project: Implement projects funded by State and federal grants

Implement projects funded from the following grants:

- CEC Public Interest Energy Research (PIER) grant for RESCO project (\$1.0 million, April 2011)
- CEC Energy and Water Use Efficiency Grant for Collector No. 6 (\$50,000, March 2011)
- CEC State Energy Program (SEP) Municipal Energy Financing Program for North Coast Property Assessed Clean Energy (PACE) programs (\$2.5 million, February 2010)
- Metropolitan Transportation Commission (MTC) grant from the federal Surface Transportation Program (STP) for the Local Government EV Project (\$2.8 million, November 2010)

STATUS: While many grants have been received, the funded projects must be completed and the Water Agency continues to pursue grant funding.

Involved Parties:

- LANL, Climate Protection Campaign, Regional Climate Protection Authority, Local Power Inc., BioStar Systems, LLC, Sonoma County Transit, Metropolitan Water District of Southern

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California, County of Sonoma, Sonoma County Transportation Authority, North Coast Energy Services, Inc., Alameda County, community groups

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Water Supply Strategy Eight

IMPLEMENT PROJECTS THAT IMPROVE INTEGRATION OF WATER MANAGEMENT

Immediate Action One:

Conduct long-term financial analysis to support evaluation and development of water supply, conservation, demand management, and recycled water projects and programs.

A. Project: Financial planning

Use rate model to evaluate cost-benefit and feasibility of alternative Water Agency projects
STATUS: Model has been refined, is functional and is being used to support ongoing planning activities with Water Contractors. The model evaluates wholesale Water Agency rates (not retail rates of Water Contractors). Water Agency staff and TAC members presented the results of these activities to the WAC in spring 2012. Water Agency staff will continue using model to support the budget process and long-term water supply planning.

Involved Parties:

- Water Contractors

Immediate Action Two:

Develop countywide guidance manual and support the development of individual Water Smart Development (WSD) standards by each land use jurisdiction in Sonoma County, with the goal of managing stormwater quantity and quality and reducing potable water required by new development. Guidance manual will also partially address requirements of stormwater permit jointly held by Water Agency, Sonoma County, and Santa Rosa.

A. Project: Countywide manual

Complete countywide manual with a comprehensive water balance approach that includes three primary WSD components: conservation, reuse and stormwater management.

STATUS: Draft countywide guidance manual circulated for review by stakeholders and comments received. The final version is expected to be released in 2013.

B. Project: Local jurisdiction plans

Support the development, as requested, by local land use jurisdictions that specify goals for reduced potable water requirements via WSD measures for new development (consistent with local policies and programs).

STATUS: Outreach with Sonoma County land use planning entities initiated.

Involved Parties (A and B):

- PRMD, Sonoma County cities, building community, Regional Water Quality Control Boards, SWRCB, community groups

Immediate Action Three:

Consult with Water Contractors to evaluate feasibility of base demand system instead of continued peak summer demand system.

A. Project: Assess feasibility

Specific project will depend on outcome of implementation of peak reduction measures (Strategy 1, Immediate Action 2) such as conservation, reuse, local supplies and groundwater banking. Financial implications of base demand system will be evaluated as part of long-term financial modeling (Immediate Action 2) and rate study (Immediate Action 4).

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STATUS: Ongoing discussion with Water Contractors as part of the Urban Water Management and financial planning processes.

Involved Parties:

- Water Contractors

Immediate Action Four:

Evaluate alternative revenue models such as seasonal rates and fixed versus variable costs.

A. Project: Evaluate alternative rate strategies

STATUS: A consultant was retained in August 2012, and the study is in progress.

Involved Parties:

- Water Contractors

Immediate Action Five:

Compare actual gross demand, conservation, and source of water use (per the information completed in Strategy 2, Immediate Action 8) with the UWMP projection to ensure projections represent actual conditions.

A. Project: Data comparison.

STATUS: This is an ongoing process that began in Water Year 2011/2012.

Involved Parties:

- Water Contractors, land use planning entities

Immediate Action Six:

Work with water contractors to evaluate local and sub-regional projects that could be combined with regional Water Agency projects to increase overall water supply reliability in the most cost-effective manner.

A. Project: Conduct assessment of local and sub-regional projects in conjunction with Water Agency projects

STATUS: This assessment began in fall 2012. It is anticipated that this effort will part of an ongoing water supply planning process.

Involved Parties:

- Water Contractors

Long Term Action One:

Negotiate and develop new Restructured Agreement for water supply to reflect current conditions and identify future transmission system improvements.

A. Project: Identify changes

Development of term sheet for proposed changes to Restructured Agreement for Water Supply to better reflect current and anticipated future conditions.

STATUS: To be determined.

Involved Parties:

- Water Contractors, community groups

B. Project: Negotiate new agreement

STATUS: To be determined.

Involved Parties:

DRAFT

- Water Contractors, community groups

Water Supply Strategy Nine

IMPROVE INTERNAL AND EXTERNAL PROCESSES, DATA EXCHANGE AND ANALYSIS
TO PROMOTE ORGANIZATIONAL EFFICIENCY

Immediate Action One:

Develop systems using advance technology to improve the interoperability and transparency of data between the Water Agency and Contractors, with the goal of improving operations and planning.

A. Project: Demonstration project - collaboration platform

The initial pilot project integrated monitoring capabilities of SCADA systems for Cotati, Santa Rosa, Rohnert Park and Water Agency to improve communications, increase water and power efficiencies. The platform also integrated monitoring data from other resource agencies, including USGS, NOAA Weather Service and USACE.

STATUS: The start-up phase of the project was completed in summer 2012, demonstrating proof of concept. The Water Agency is continuing to work with IBM on potential future tasks that may include integrating into the platform: SCADA information from additional Water Contractors; display of automated turnout metering; improved display capabilities; and cloud-based web hosting.

Immediate Action Two:

Pursue ISO certification.

A. Project: Pursue ISO 9000 and 14000 certification

ISO 9001 and 14001 will assure a program of constant improvement in the Water Agency's quality of work and environmental management.

STATUS: Ongoing efforts underway to achieve certification.

Involved Parties:

- Internal activity

Immediate Action Three:

Update method of allocating water during shortages

A. Project: Update the Water Agency's existing annual Water Shortage Allocation and develop a new allocation model for summer months when diversions from the Russian River may be constrained due to reduced flows or water availability.

Many assumptions and inputs in the existing allocation model should be updated. In addition, the Contractors have requested the Water Agency develop a methodology to apportion water during peak demand periods when their water demands exceed the Agency's allowable diversions.

STATUS: The TAC and Water Agency are working with a consultant to develop an allocation model.

Involved Parties:

- Contractors

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Near Term Action One:

Extend demonstration project including Automated Meter Infrastructure to other Water Contractors.

A. Project: Extension of demonstration project

STATUS: Design is part of demonstration project; extension of project will depend on Water Contractors' willingness to participate and availability of funding.

Involved Parties:

- Water Contractors

10 Year Summary of Planned Water Supply & Reliability Projects

Entity	Project	Status	Initiated	Estimated Completion	Water Supply?	Reliability?	Notes	Potential Constraints
Water Agency	South Transmission Section 1 (Cotati to Elv)		2020	2022				CEQA and Financial
Water Agency	South Transmission Section 2 (Elv to Kastania)		2020	2022				CEQA and Financial
Water Agency	Kawana - Ralphine-Sonoma BST Pipeline		2023	2025				CEQA and Financial
Water Agency	Petition to Increase Annual Diversion Limit		2020	2027				CEQA
Water Agency	Mirabel West Wells		2028	2030				CEQA and Financial
Rohnert Park	Groundwater Wells Replacement and Upgrade		2013	2035				Funding
Rohnert Park	Groundwater Banking		2011	2020				Feasibility
Rohnert Park	Recycled Water System Expansion		2012	2030				Timing of Development
Windsor	Off River Wells Water Supply Phase 1	Feasibility	2014	2016	Yes	Yes		Funding
Windsor	Off River Wells Water Supply Phase 2	Conceptual	2014	2020	Yes	Yes		Funding
Windsor	Recycled Water Expansion	Conceptual	2011	2020	Yes	Yes		Funding
Santa Rosa	Phase 1 West Recycled Water Project	Feasibility	2020	2025	Yes			Financial
North Marin	Recycled Water Expansion North & South	Design/Construction	2011	2015	Yes	Yes		Financing
North Marin	Recycled Water Expansion Central	Feasibility	2015	2025	Yes	Yes		Financing
North Marin	Aqueduct Energy Efficiency Project	Design/Construction	2011	2015	Yes	Yes		Financing/CalTrans
North Marin	Stafford Lake Solar Project	Design/Construction	2010	2012		Yes	COMPLETED	CSI Reinstatement
North Marin	Novato Local Water Supply Enhancement Study	Conceptual	2012	2014	Yes	Yes		TBD
North Marin	Well 4	Conceptual	2011	2015	Yes	Yes		None
Cotati	Thomas Page Recycled Water Project	Design/Construction	2011	2013	Yes	Yes		None
Cotati	Sunflower Park Recycled Water Project	Design/Construction	2012	2014	Yes	Yes		None
Cotati	Groundwater Banking Project	Conceptual	2010	2015	Yes	Yes		Feasibility
Marin Municipal	Peacock Gap Recycled Water Project	Feasibility	2009	2018				CEQA and Financial
Marin Municipal	33 San Pablo Recycled Water Project		2008	2012				None
Marin Municipal	Nicasio to Kent Pipeline	Design/Construction	2011	2019	Yes			CEQA and Financial
Petaluma	Recycled Water Area A			2015				None listed
Petaluma	Recycled Water Area C			TBD				None listed
Petaluma	Recycled Water Area E			TBD				None listed
Petaluma	SDC Conjunctive Use			TBD				Agreement
City of Sonoma	Groundwater Well #8		2011	2013	Yes	Yes		Siting
City of Sonoma	Groundwater Banking		2011	2014	Yes	Yes		Feasibility
City of Sonoma	SCWA Russian River Water Rights Diversion Increase		2015	2035	Yes	Yes		Environ.
City of Sonoma	Groundwater Well #9 (replacement of existing well)		2014	2018	Yes	Yes		
City of Sonoma	Groundwater Well #10 (replacement of existing well)		2016	2020	Yes	Yes		
City of Sonoma	Sonoma Valley Recycled Water Project		2011	2013	Yes	Yes		Agreement
VOMWD	SDC Conjunctive Use		2011	2020	Yes	Yes		Feasibility
VOMWD	Groundwater Banking		2011	2035	Yes	Yes		Feasibility
VOMWD	Recycled Water		2011	2035	Yes	Yes		Environ.
VOMWD	SCWA Russian River Water Rights Diversion Increase		2015	2035	Yes	Yes		

Summary of Changes to 2011 Water Supply Strategies Action Plan (Includes New Actions Added to 2013 Plan)

Strategy 1 - Address Dry Creek Summer Flows

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
<u>Immediate Action 1</u> - Habitat enhancement, as required by the Biological Opinion, to increase capability of Dry Creek to accommodate summer flows while protecting coho and steelhead	A. Feasibility Study	X				Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Demonstration Project (New Action Item A)		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	C. Development of success measures (New Action Item B)		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	C. Construct Miles 2 & 3		X	X		Moved from Near Term to Immediate. Landowner outreach is underway for project.
<u>Immediate Action 2</u> - Reduce peak demands that affect Warm Springs Dam releases	A. New Reuse		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Groundwater Banking Feasibility Study		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	C. Retrofit/Conservation		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	D. Leak Detection		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	A. Grape Creek Restoration Project Monitoring	X	X			Construction completed. Ongoing monitoring for three more years.
<u>Immediate Action 3</u> - Implement Dry Creek tributary restoration projects, as required by Biological Opinion, with goal of enhancing coho and steelhead habitat	B. Grape Creek and Wallace Creek Fish Passage Projects	X	X	X		Grape Creek completed. Monitoring ongoing. Wallace Creek removed due to right-of-way issues.
	C. Crane Creek Restoration Project	X	X			Construction completed. Ongoing monitoring.
	A. Seek federal and state funding		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 4</u> - Identify and secure federal, state, and grant funding for implementation of the Biological Opinion	B. Proactively work with Water Contractors to ensure their timely assistance in funding efforts and report activities at WAC meetings					
	A. Habitat enhancement		X	X		Moved from Near Term to Immediate. Landowner outreach is underway for project.
<u>NEW Immediate Action</u> -Construct 2nd and 3rd miles of Dry Creek habitat enhancement						

Summary of Changes to 2011 Water Supply Strategies Action Plan (Includes New Actions Added to 2013 Plan)

Strategy 2 - Modify Operation of Russian River System

2011 Plan: Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes for New 2013 Action Plan
<u>Immediate Action 1</u> - Modify Decision 1610 minimum instream flow requirements as required by Biological Opinion and make technical adjustments to existing water rights.	A. D1610 changes		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Modeling/hydrologic index		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	C. Environmental Impact Report (EIR)		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	D. Submit Annual Interim Change Petitions		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 2</u> - Estuary Adaptive Management	A. Estuary adaptive management		X			Management project approved, EIR certified. Lawsuit settled on EIR. Monitoring & activities will continue.
<u>Immediate Action 3</u> - Work with interested parties to form an independent science panel to evaluate existing data and develop a conceptual model regarding the hydrologic system upstream of the confluence of Dry Creek and the Russian River.	A. Continue support of science panel		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 4</u> - Support enhanced weather forecasting for frost protection and irrigation by agriculture	A. Demonstration Project		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 5</u> - Enhance operations at Lake Mendocino to increase water supply	A. Corps operations		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Local Users		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 6</u> - Prepare reports on Water Agency's water rights	A. Reports		X			Updated status and progress. Ongoing activities will occur in the upcoming year.
<u>Immediate Action 7 (REMOVED)</u> - Continue to monitor FERC final order and FERC modeling/NEPA	A. Support MCWPC request that FERC obtain information from PG&E regarding unintended water supply			X		FERC took no action (for two years). Removing this from project list.
<u>NEW Immediate Action 7</u> - Conduct water supply reliability analysis of the upper Russian River	A. Water supply reliability analysis			X	X	Moved from Near Term actions. Outreach has begun and is ongoing.
<u>NEW Immediate Action 8</u> - Construct new fish screen at Mirabel, in compliance with Biological Opinion	A. Build new screen				X	Design is complete. Funding has been sought for construction, which should be started in 2014.
<u>NEW Immediate Action 9</u> - Prepare for Potter Valley Project re-licensing proceeding	A. During 2012/13, begin preliminary activities, including analysis of technical operations and review of hydrologic and fishery data and studies.			X	X	Moved from Near Term actions.

Summary of Changes to 2011 Water Supply Strategies Action Plan (Includes New Actions Added to 2013 Plan)

Strategy 3 - Evaluate Potential Climate Change Impacts on Water Supply & Flood Protection

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
Immediate Action 1 - Continue climate change modeling for Russian River and Sonoma Valley watersheds.	A. Develop model		X			Updated status and progress. Ongoing activities to occur in upcoming year.
Immediate Action 2 - Support development of Hydrometeorology Test bed (HMT) for the Russian River basin	A. Support federal partners		X			Updated status and progress. Ongoing activities to occur in upcoming year.
Immediate Action 3 - Develop adaptation measures	A. Outreach and information gathering				X	Moved from Near Term. Outreach on information and collaboration initiated.
	B. Develop reliability actions			X		Moved from Near Term. Next steps dependent on Project A.

Strategy 4 - Pursue Combined Water Supply & Flood Control Projections

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
Identify projects within Water Agency Flood Control Zones that reduce flooding and increase groundwater recharge	A. Scoping & feasibility studies		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Seek funding		X			Updated status and progress. Ongoing activities to occur in upcoming year.

Strategy 5 - Work With Stakeholders to Promote Sound, Information-Based Water Supply Planning Programs

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
Immediate Action 1 - Develop non-regulatory AB 3030/SB1938 management plans that emphasize local control. Emphasize development of diversified water supply "portfolios" for each contractor. Continue with Sonoma Valley program and initiate program in Santa Rosa Plain	A. Implement Sonoma Valley Groundwater Management Plan		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Santa Rosa Plain planning		X			Updated status and progress. Ongoing activities to occur in upcoming year.
Immediate Action 2 - Pursue funding opportunities enhanced by developed management plans. Ranking for state funding enhanced if groundwater management plans are in place	A. Funding		X			Updated status and progress and funding received. Ongoing activities to occur in upcoming year.
Immediate Action 3 - Continue support of Independent Science Review Panel	A. Support science panel		X			Updated status and progress. Ongoing activities to occur in upcoming year.
Immediate Action 4 - Ensure Water Agency and Sonoma County are in compliance with CASGEM	A. CASGEM preliminary activities - program development		X			Updated status and progress. Ongoing activities to occur in upcoming year.

Summary of Changes to 2011 Water Supply Strategies Action Plan (Includes New Actions Added to 2013 Plan)

Strategy 6 - Improve Transmission System Reliability

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
Immediate Action 1 - In consultation with Water Contractors, develop plan to provide consistent funding for natural hazard and operational reliability capital projects	A. Rogers Creek Fault Crossing Mitigation		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Collector 3 and 5 Liquefaction Mitigation		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	C. Isolation valves		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	D. Automated Meter Infrastructure		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	E. Russian River crossing		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	F. River Diversion System liquefaction mitigation		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	G. Mark West Crossing		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	H. Collector 6 liquefaction mitigation		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	J. Cotati Reservoir 3 recoat		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	K. Petaluma Aqueduct cathodic protection		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	K-O. New Projects Added to 2012 Plan: Santa Rosa Aqueduct cathodic protection; Mirabel surge protection; Kawana to Sonoma booster; Sonoma booster pump upgrade; Wohler-Santa Rosa pipeline; Santa Rosa Creek crossing				X	New projects added to the 2012 Plan
Immediate Action 2 - Continue to pursue state and federal funding for natural hazard reliability projects	A. Seek Funding		X			Updated status and progress. Ongoing activities to occur in upcoming year.
Immediate Action 3 - Work with Water Contractors to reduce peak demand on transmission system via conservation, groundwater banking, local supply, and recycled water	See Strategies 1, 4, 5, 8 and 9		X			Updated status and progress. Ongoing activities to occur in upcoming year.
Immediate Action 4 - Continue research on natural filtration capacity of Russian River	A. Research on pathogen removal		X			Updated status and progress. Ongoing activities
	B. Research on Surface Water/Groundwater Interaction		X			Updated status and progress. Ongoing activities

<u>Immediate Action 5</u> - Continue planning new transmission system projects to increase reliability of existing system	A. Planning		X		Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 6</u> - Evaluate condition of Water Agency's transmission system, especially portions experiencing elevated velocities	A. Pilot-scale assessment study of Petaluma Aqueduct, Santa Rosa Aqueduct and Oakmont Pipeline		X		Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Leak detection proof of concept study		X		Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 7</u> - Five year update and renewal of Local Hazard Mitigation Plan	A. Update plan		X		Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 8</u> - Create emergency response plan for Mirabel dam failure or damage	A. Prepare contingency plan		X		Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 9</u> - Update of emergency response plan	A. Update plan		X		Updated status and progress. Ongoing activities to occur in upcoming year.

Summary of Changes to 2011 Water Supply Strategies Action Plan (Includes New Actions Added to 2013 Plan)

Strategy 7 - Take Advantage of Energy and Water Synergies

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
Immediate Action 1 - Implement Water Agency's new Energy Policy	A. (1) Implement Farms to Fuels project (2) Obtain rights to Warm Springs Dam hydropower and Sonoma County landfill (3) Exploration of other locally available renewable energy	X	X	X		Farms to Fuel project is under development; rights to claim hydropower and landfill energy has been completed and removed from WSSAP; exploration of other local renewables and energy efficiency project are ongoing.
	B. Develop & implement Water Agency energy efficiency projects		X			
Immediate Action 2 - Development of projects with local and regional significance	A. (1) Conduct feasibility study of Community Choice Aggregation and work with local partners (2) Implement Renewable Energy Secure Communities (RESOCO) project to develop (3) Assist Water Contractors, who are interested, in becoming PWRPA members to obtain less expensive renewable power. (4) Implement Sonoma County Efficiency Financing.		X	X	X	CCA feasibility study is complete and new phase of project is ongoing; RESOCO project is ongoing; PWRPA doesn't allow wheeling of power to Contractors and has been removed. New SCEF project added.
	B. Emissions reporting		X			Updated status and progress .
	C. Register renewable energy credits		X			Updated status and progress .
	D. Solar		X			Updated status and progress .
	A. Implement grant-funded projects		X			Updated status and progress .
Immediate Action 3 - Pursue state and federal funding for energy efficiency and renewable energy projects						

Summary of Changes to 2011 Water Supply Strategies Action Plan (Includes New Actions Added to 2013 Plan)

Strategy 8 - Implement Integrated Water Management

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
<u>Immediate Action 1</u> - Conduct long-term financial analysis to support evaluation and development of water supply, conservation, demand management, and recycled water projects and programs	A. Financial planning		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 2</u> - Develop countywide guidance manual and support the development of individual WSD standards by each land use jurisdiction in Sonoma County, with the goal of managing stormwater quantity and quality and reducing potable water required by new development. Guidance manual will also partially satisfy requirements of stormwater permit jointly held by Water Agency, Sonoma County, and Santa Rosa	A. Countywide manual		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Local jurisdiction plans		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 3</u> - Consult with Water Contractors to evaluate feasibility of base demand system instead of continued peak summer demand system	A. Assess feasibility		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 4</u> - Evaluate alternative revenue models such as seasonal rates and fixed versus variable costs	A. Rate study		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 5</u> - Compare actual gross demand, conservation and source water use with the UWMP projections to ensure projections represent actual conditions	A. Monitor gross water demands		X			Updated status and progress. Ongoing activities to occur in upcoming year.
<u>Immediate Action 6</u> - Work with water contractors to evaluate local and sub-regional projects that could be combined with regional Water Agency projects to increase overall water supply reliability in the most cost-effective manner	A. Conduct assessment of local and sub-regional projects		X			Updated status and progress. Ongoing activities to occur in upcoming year.

Summary of Changes to 2011 Water Supply Strategies Action Plan (Includes New Actions Added to 2013 Plan)

Strategy 9 - Overcome Organizational Fragmentation to Promote Efficiency of Water System Operations & Planning

2011 Plan Immediate Actions	Projects	Completed	Ongoing	Moved	New	Changes For New 2013 Action Plan
Immediate Action 1 - Develop systems using advance technology to improve the interoperability and transparency of data between the Water Agency and Contractors	A. Demonstration project - collaboration platform		X			Updated status and progress. Ongoing activities to occur in upcoming year.
	B. Metering			X		Removed from Strategy 9. Included in Strategy 6, Action 1
	C. Integrated weather forecasting			X		Removed from Strategy 9. Included in Strategies 2 & 3.
Immediate Action 2 - Extend demonstration project including AMI to other Water Contractors	A. Extension of demonstration project			X		Moved to Near Term.
Immediate Action 3 (New Immediate Action 2). - Pursue ISO 9000 and 14000 certification (moved from Strategy 7, Immediate Action 1, Project A)	A. Obtain ISO certification		X			Updated status and progress. Ongoing activities to occur in upcoming year.
Immediate Action 4 (New Immediate Action 3). - Update method of allocating water during shortages	A. Update Water Agency's existing annual water shortage allocation and develop a new allocation model		X			Updated status and progress. Ongoing activities to occur in upcoming year.

MEMORANDUM

To: Technical Advisory Committee
From: Chris DeGabriele
Subject: Potential Projects for Further Evaluation
t:\gm\scwattac minutes and agenda\2013\tac potential projects 123112.doc

December 31, 2012

At the November 1, 2012 WAC/TAC meeting the parties received a presentation on Potential Projects for Future Water Supply which identified a proposed analysis by the Water Contractors, Marin Municipal Water District and Sonoma County Water Agency (Agency) staffs to collaborate and analyze potential future water supply projects and conduct a preliminary screening for feasibility. The goal of that feasibility analysis was to develop a list of projects for further detailed analysis to be recommended by the TAC.

That preliminary screening has been completed and attached is a brief white paper identifying the Potential Regional, Subregional, and Local Water Supply Projects for Further Evaluation. Pages 4 and 5 of the attachment recommends seven sources to be further evaluated at this time, including:

- Additional Groundwater-Water Contractor-Production Wells,
- Future Water Conservation,
- Future Recycled Water for Non Potable Uses and Off-setting Potable Use,
- Aquifer Storage and Recovery-Potable Supply,
- Windsor Water Rights,
- Additional Agency Supply-Russian River, and
- Additional Agency Supply-Ground Water Production Wells.

I recommend that the TAC adopt the projects listed in the attachment for recommendation to the WAC at their February meeting and that the TAC and the Agency staff identify available funding for the TAC or the Agency to engage consultants and conduct in-depth analysis of these water supply sources.

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POTENTIAL REGIONAL, SUBREGIONAL AND LOCAL WATER SUPPLY PROJECTS FOR FURTHER EVALUATION



INTRODUCTION

Water purveyors are responsible for providing reliable, high quality water supply to current and future customers. In 2010, after a 16-month collaborative process among the Sonoma County Water Agency (Agency), the Water Contractors, Marin Municipal Water District (MMWD) and the public, the Agency Board of Directors adopted the Water Supply Strategy Action Plan (Action Plan). The Action Plan consists of nine water supply strategies developed to increase water supply system reliability, resiliency and efficiency and plan for the future, taking into consideration the numerous challenges and uncertainties that face our region. To help address Water Supply Strategy 5 – *Build Partnerships with Water Users that Facilitate Information-Based Water Supply Planning Programs*, Strategy 6 – *Implement Projects to Improve Transmission System Reliability*, Strategy 8 – *Implement Integrated Water Management Into Agency Programs*, and Strategy 8, Immediate Action 6 – *Work with water contractors to evaluate local and sub-regional projects that could be combined with regional Water Agency projects to increase overall water supply reliability in most cost-effective manner*, the Water Contractors and MMWD, in partnership with the Agency, have undertaken an analysis of existing and future water supplies. The goal of the analysis is to determine the most reliable, affordable, environmentally friendly water supplies that will meet the needs of current and future generations.

PURPOSE

The purpose of this document is to describe projects that the Technical Advisory Committee (TAC) believe are most viable for improving regional water supply resiliency with the goal of improving reliability and meeting water demand forecasts in accordance with each water contractors' and MMWD's Urban Water Management Plans. Because the Agency's transmission system facilities connect several local systems operated by individual water contractors, there may be opportunities to collectively manage these systems in a coordinated manner with a regional perspective to the benefit of all water contractors. For example, local or subregional water supply projects directly serving one or more water contractors can benefit all water contractors, may alleviate the need for more expensive regional infrastructure or may increase reliability of water supplies during times of constrained Russian River water supply conditions.

This document examines several new water supply opportunities, presents the results of a screening evaluation, and recommends certain projects to prioritize for further evaluation. It is envisioned that this analysis will be updated and revised as new information becomes available.

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ANALYSIS – EXISTING SOURCES

Working collectively, the Water Contractors', MMWD and Agency staffs met and identified all currently known existing water supply sources. Six existing water supply sources currently provide the following volumes of annual water supply:

Existing Sources	Volume (Acre-feet/Year)
Existing Agency Supply - Russian River	75,000
Existing Agency Supply – Groundwater	2,300
Existing Groundwater – Local	2,600
Existing Water Conservation	4,055
Existing Recycled Water for Non-Potable uses and offsetting Potable Use	3,017
Existing Graywater for Non-Potable uses	1

It was determined by the Water Contractors', MMWD and Agency staffs that for purposes of this analysis, all necessary additional funding and activities will be implemented by the Agency, MMWD and Water Contractors to maintain these existing water supply volumes and that further evaluation of these existing sources is not required at this time.

ANALYSIS – FUTURE SOURCES

Working collectively, the Water Contractors', MMWD and Agency staffs met and identified all currently known future water supply sources. The list of all possible future water supply sources included the following:

Additional Sources
Additional Agency Supply – Russian River
Additional Agency Supply – Production Wells
Additional Groundwater – Water Contractor – Production Wells
Additional Groundwater – Water Contractor – Standby Wells
Future Water Conservation
Future Recycled Water for Non-Potable uses and offsetting Potable Use
Small Scale Recycled Water for Non-Potable Uses and offsetting Potable Use - Satellite treatment plants
Small Scale Storm water Capture (i.e. - Individual homeowner rain water harvesting for potable use; individual rainwater harvesting for non-potable use)
Aquifer Storage and Recovery - Potable Supply (i.e. - Winter water purchased from Agency; Agency storage of surface water in the ground)
Windsor Water Rights

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Locally Driven Sources
Water Supply Agreement - Valley of the Moon, Sonoma and Sonoma Development Center
Raise Lake Stafford
Regional Sources
Desalination - Bay Area Regional Desalination
Large Scale Storm water Capture (i.e. – Service area-wide storm water capture for non-potable purposes; Service area-wide storm water capture & treatment for potable purposes)
Raise Coyote Valley Dam
Water Transfer from Humboldt Bay Municipal Water District
Aquifer Storage and Recovery - Other Supply (Recycled Water or Storm water)

All projects were screened by the Water Contractors', MMWD and Agency staffs at a conceptual, planning level for feasibility, regulatory, environmental and legal constraints, reconnaissance level capital and operation and maintenance costs, current status of studies and additional information needed. Upon completion of the initial screening, ten future water supply sources were identified for further evaluation and prioritization. Although some water supply sources will not be evaluated further at this time, over time, these sources may become more feasible and will be revisited from time to time to determine if/when they should be further evaluated and prioritized.

FEASIBLE FUTURE PROJECTS

The ten future water supply sources that were determined to be feasible were further evaluated by the Water Contractors', MMWD and Agency staffs and more detailed information was developed for each of these sources. Information included an analysis of the volume of water that could be provided based on existing UWMPs, review of any environmental, regulatory or legal constraints, a summary of known cost information, and consideration of rate payer impact.

The following ten water supply sources were determined to be feasible at this time and are recommended for further analysis. The projects are listed in no particular order.

Additional Sources
Future Water Conservation
Future Recycled Water for Non-Potable uses and offsetting Potable Use
Small Scale Storm water Capture (i.e. - Individual homeowner rain water harvesting for potable use; individual rainwater harvesting for non-potable use)
Additional Agency Supply – Russian River
Additional Agency Supply – Production Wells
Additional Groundwater – Water Contractor – Production Wells
Additional Groundwater – Water Contractor – Standby Wells
Windsor Water Rights

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Small Scale Recycled Water for Non-Potable Uses and offsetting Potable Use - Satellite treatment plants

Aquifer Storage and Recovery - Potable Supply (i.e. - Winter water purchased from Agency; Agency storage of surface water in the ground)
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New water supply projects developed by one or more water contractors will merit further analysis if the project promotes improved regional resiliency by increasing the overall reliability of water supplies (thus benefiting all water contractors) and/or helps to meet future water demands forecast in the water contractors' UWMPs. It is assumed that any additional supplies resulting from such new water supply projects will not result in a reduction of entitlement limits for a water contractor or replacement of future amounts of surface water that the Agency would provide to a water contractor, unless that water contractor agrees to such a reduction/replacement.

RECOMMENDATION

The Water Contractors', MMWD and Agency staffs further prioritized the list of water supply sources and recommends 7 sources be further evaluated. The Water Contractors', MMWD and Agency staffs recommend that the TAC and Water Advisory Committee (WAC) consider this list and, if recommended by the WAC, the Agency set aside funding for the TAC to solicit a consultant to conduct an analysis of the following future water supply sources, which are listed in no particular order:

Water Source: Future Water Conservation

- Estimated Volume of Water: Up to 15,545 Acre-feet
- Potential Costs: \$218 – 529/acre-foot
- Constraints: Compliance with 20% x 2020 needed; customer implementation.
- Ratepayer Impact: Costs as listed above.
- Issue: Project is not feasible unless it results in additional water supply for the contractor(s) developing the project.

Water Source: Future Recycled Water for Non-Potable Uses and offsetting Potable Use

- Estimated Volume of Water: Up to 2,649 acre-feet
- Potential Capital Costs: \$6,000 – 50,000/acre-foot; varies based on pipeline alignment and storage needs.
- Potential O&M Costs: To be determined; varies per water contractor.
- Constraints: Approval from Department of Public Health and Regional Water Quality Control Board; CEQA compliance would be needed.
- Ratepayer Impact: Costs as listed above.
- Issue: Project is not feasible unless it results in additional water supply for the contractor(s) developing the project.

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Water Source: Aquifer Storage and Recovery - Potable Supply

- Estimated Volume of Water: To Be Determined – Feasibility studies currently underway.
- Potential Capital Costs: To Be Determined – Feasibility studies currently underway.
- Potential O&M Costs: To Be Determined – Feasibility studies currently underway.
- Constraints: Approval from Department of Public Health and Regional Water Quality Control Board; CEQA compliance would be needed.
- Ratepayer Impact: Costs as listed above.
- Issue: Project is not feasible unless it results in additional water supply for the contractor(s) developing the project.

Water Source: Additional Agency Supply – Russian River

- Estimated Volume of Water: Up to 10,000 Acre-Feet/year
- Potential Capital Costs: To Be Determined.
- Potential O&M Costs: To Be Determined; Current wholesale cost is approx \$650/Acre-Foot with estimated increases of 4-7% annually through 2030 for existing projects.
- Constraints: Regulatory changes to d1610; compliance with Endangered Species Act; CEQA compliance would be needed.
- Ratepayer Impact: Costs to be determined for additional water supply.

Water Source: Additional Agency Supply – Groundwater Production Wells

- Estimated Volume of Water: To Be Determined.
- Potential Capital Costs: To Be Determined.
- Potential O&M Costs: To Be Determined.
- Constraints: Information from USGS Study and collaboration with Santa Rosa Plain Groundwater Management Plan process needed; Approval from Department of Public Health; CEQA compliance would be needed.
- Ratepayer Impact: Costs to be determined for additional water supply.

Water Source: Additional Groundwater – Water Contractor – Production Wells

- Estimated Volume of Water: Up to 540 Acre-Feet/year
- Potential Capital Costs: \$350 -1200/Acre-foot; Varies based on treatment and operational needs.
- Potential O&M Costs: \$100 – 130/Acre-foot; Varies based on treatment and operational needs.
- Constraints: Approval from Department of Public Health; CEQA compliance would be needed.
- Ratepayer Impact: Costs as listed above.
- Issue: Project is not feasible unless it results in additional water supply for the contractor(s) developing the project.

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Water Source: Windsor Water Rights

- Estimated Volume of Water: 4,725 Acre-Feet
- Potential Capital Costs: To be determined; Estimate \$300,000 for CEQA compliance.
- Potential O&M Costs: To be determined.
- Constraints: State Water Resources Control Board approval needed; compliance with Endangered Species Act; CEQA compliance would be needed
- Ratepayer Impact: Costs to be determined for additional water supply.

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DISBURSEMENTS - DATED DECEMBER 20, 2012

Date Prepared: 12/18/12

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	Ackerman, Gerald	Retiree Exp Reimb (Monthly Health Ins)	\$90.69
2	ADTS	Annual Drug & Alcohol Testing Compliance Program (12 Employees)	750.00
3	Alpha Analytical Labs	Lab Testing (Pt Reyes & Novato)	1,842.00
4	AshLin Pacific Construction	Prog Pymt #3: Recycled Water North Onsite Retrofits Project (Balance Remaining on Contract \$13,632)	33,301.68
5	Athens Administrators	Replenish Workers' Comp Account-Sept Expenses (Roberto & LeBrun)	22.00
6	Avella, Joseph	Novato "Washer Rebate" Program	50.00
7	Bank of Marin	Bank of Marin Loan Principal & Interest (Pymt #14 of 240)	46,066.67
8	Bradbery, Ronald	Retiree Exp Reimb (Monthly Health Ins)	90.69
9	Bundesen, Gerald	Retiree Exp Reimb (Monthly Health Ins)	779.57
10	Butti, Lou	Retiree Exp Reimb (Monthly Health Ins)	779.57
11	Cagwin & Dorward	Perform System Check of Irrigation Zones & Controllers & Make Repairs as Necessary in Meadowpark for RW South Phs 1B Project	3,990.00
12	Calif Public Health Services	Large Water System Fees (7/1/11-6/30/12) (\$6,450) & Water Distribution Operator Certification Renewal (Connolly) (5/13-5/15) (Grade 2) (Budget \$80)	6,509.54
13	California State Disbursement	Wage Assignment Order (3)	1,518.50
14	California Bank of Commerce	Prog Pymt #8: Retainer on Disney Construction Project	24,448.40

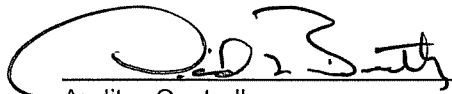
Seq	Payable To	For	Amount
15	Chase Card Services	Parking (\$6), Meals (\$18), Registration Fee for District Secretary Conf (\$725), Retirement Gift (Roberts) (\$210) & Disposable Cups (10,000) (\$119) (Const)	1,020.88
16	De Gabriele, Chris	Exp Reimb: Meal, Airport Shuttle, Taxi & Bridge Toll (ACWA Fall Conf)	37.26
17	Dept of Toxic Subst Control	Penalty to Correct Mistake Made on Manifest	20.00
18	Derby, Richard	Retiree Exp Reimb (Monthly Health Ins)	90.69
19	Diggs, James	Retiree Exp Reimb (Monthly Health Ins)	779.57
20	Disney Construction	Prog Pymt#8: Construct Recycled Water South Phase 1B (Bal Remaining on Contract \$28,743.50)	220,035.60
21	Dowden, Mary Ann	Payroll & Accounts Payable Consulting Services (12/3-12/7/12) (Bal Remaining on Contract \$8,240)	1,760.00
22	Eyler, John	Retiree Exp Reimb (Monthly Health Ins)	90.69
23	Fisher Scientific	Sulfuric Acid (Lab)	22.58
24	Gerencser, Akos	Novato "Washer Rebate" Program	50.00
25	Golden Gate Petroleum	Gasoline (\$3.57/gal) & Diesel (\$3.84/gal)	3,747.33
26		Cafeteria Plan - Child Care Reimbursement	416.66
27	Irish & Son Welding	Weld 6" Pipe for Fire Service & 2 6" Spools (San Ramon School)	420.00
28	Johnstone, Daniel	Retiree Exp Reimb (Monthly Health Ins)	90.69
29	Journey Ford/Lincoln	Differential Oil Seals (3) (\$116) & Rotor Assy (\$260) (Less Credit Rec for \$231)	145.98
30	Kehoe, Chris	Exp Reimbursement (Safety Boots)	200.00
31		Cafeteria Plan - Child Care Reimbursement	208.33
32	Marin County Treasurer	Semi-Annual Revenue Bond PR-6 Interest (\$2,300) & PR-3 G.O. Bond Final Pymt (Balance of \$13,730 paid with PR3 Tax Fund at the County of Marin) (\$970)	3,269.84

Seq	Payable To	For	Amount
33	Marin County Recorder	Recording Fee for Notary Bond (\$15) & Fee for Oath of Notary Public (\$29) (Katie Young)	44.00
34	Matchette, Tim	Retiree Exp Reimb (Monthly Health Ins)	230.18
35	McAghon, Andrew	November Sludge Removal (4 Loads)	940.00
36	MegaPath	DSL Internet Service (12/12/12-1/11/13)	142.88
37	National Fire Protection Association	Membership Dues (McIntyre) (2/13-1/14) (Budget \$180)	165.00
38	Nelson, John O.	Retiree Exp Reimb (Monthly Health Ins)	90.69
39	New Pig	Sign: "Caution Eye & Ear Protection Required for Chipper", "Danger Moving Parts for Chipper" & Absorbent Mats for Auto Shop (200) (\$160)	211.90
40	North Bay Gas	Purchase Oxygen, Acetylene & Argon CO2 Cylinders (\$1,275) & November Cylinder Rental (\$105)	1,379.38
41	Novato Toyota	Passenger Side Mirror ('09 Toyota Prius)	206.27
42	Novato, City of	In-Lieu for Cutting Moratorium Street-1147 McClelland Dr	500.00
43	Oceana Marin Association	1/3 Share of Shrub Planting @ Tahiti Way Lift Station	202.03
44	Pace Supply	Couplings (10) (\$309), 8" & 6" Clamps (3) (\$722), Meter Spuds (44) (\$374), Splices (2) (\$32), Nipples (13) (\$43) & Valves (3) (\$1,419)	2,900.73
45	Phillips & Associates	December O & M of O.M. Wastewater Treatment System	5,187.96
46	Pichignau, Nick	Novato "Toilet Rebate" Program	100.00
47	Radio Shack	Resistors to Modify Security Camera @ Tank Sites	2.58
48		Cafeteria Plan - Child Care Reimbursement	83.32
49	Red Wing Shoe Store	Safety Boots (Ortiz)	199.99

Seq	Payable To	For	Amount
50	Reischmann, Marc	Reg Fee: Disinfection By Products & Ground Water Regulations Conf (\$45) & Annual Dues-WCWWA (1/13-12/13) (Budget \$0)	70.00
51		Cafeteria Plan - Uninsured Medical Reimbursement	430.00
52	Robinson, Malik	Novato " Washer Rebate" Program	50.00
53	Salari, Mehrnoosh	Novato " Washer Rebate" Program	50.00
54	Shirrell Consulting Services	November Dental Expense	7,245.00
55	Siemens Water Technologies	Service on Lab Deionized Water System	190.78
56	Smail, John	Retiree Exp Reimb (Monthly Health Ins)	90.69
57	Sonosky, Norma	Retiree Exp Reimb (Monthly Health Ins)	90.69
58	SPG Solar	Energy Delivered Under Solar Services Agreement (11/1/12-11/30/12)	7,004.85
59	State Water Resources Control	Clean Drinking Water State Revolving Fund Loan Principal & Interest (RW-N)	33,290.59
60	SuperMedia	Quarterly Telephone Directory Charge	48.00
61	Synectic Technologies	After Hours Phone Transfer Programming	52.50
62	Thomas Scientific	Petri Dishes (600) (\$216) & Media Filters (100) (Lab)	268.11
63	United Parcel Service	Delivery Services: Sent Tank Level Transmitter for Repair & Sent RW So Phs1B Letter	26.38
64	Univar	Caustic Soda (STP)	4,371.00
65	US Bank	November Safekeeping Fee-Treasury Securities	23.25
66	Velloza, Richard	Retiree Exp Reimb (Monthly Health Ins)	90.69
67	Verizon Wireless	Cellular Charges: Monthly (\$73) & Airtime (\$165) (Less Credit for Prior Equipment Overcharge \$136)	102.01

Seq	Payable To	For	Amount
68	Wildcat Engineering	Prog Pymt#3: Perform Onsite Retrofits for Recycled Water South Project (Bal Remaining on Contract \$6,242)	56,015.00
		TOTAL DISBURSEMENTS	<u>\$474,741.86</u>

The foregoing payroll and accounts payable vouchers totaling \$474,741.86 are hereby approved and authorized for payment.



Auditor-Controller

12/18/12

Date



General Manager

12/18/2012

Date

DISBURSEMENTS - DATED DECEMBER 27, 2012

Date Prepared: 12/24/12

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:

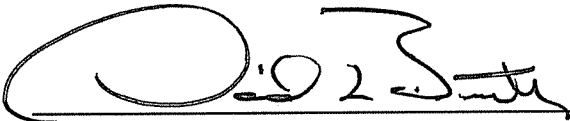
Seq	Payable To	For	Amount
P/R	Employees	Net Payroll PPE 12/15/12	\$120,927.30
EFT*	US Bank	Federal & FICA Taxes	41,793.27
EFT*	State of California	State Tax & SDI PPE 12/15/12	8,107.21
1	ACWA	Annual Dues (De Gabriele) (Budget \$17,350)	16,835.00
2	Alpha Analytical Labs	Lab Testing (Novato)	240.00
3	Amyot, Brandon	Novato "Washer Rebate" Program	50.00
4	Athens Administrators	December Workers' Comp Adm Fee	1,000.00
5	Belote, Jeff	Novato "Washer Rebate" Program	50.00
6		Vision Reimbursement	184.00
7	BioVir Laboratories	Lab Testing (Novato)	865.06
8	Buck's Saw Service	Starter Rope (200')	57.24
9	Caughie, Marguerite	Novato "Washer Rebate" Program	50.00
10	CDW-Government	Laserjet Printer (\$284) (Blue), Monitors (2) (\$265) & Memory (McDonough)	630.00
11	Chaille, Michael	Novato "Toilet Rebate" Program	75.00
12	Chartouni, Gharif	Novato "Toilet Rebate" Program	200.00
13	C.J. Welding	Fabricate 6" Spool w/2 ea Ells, 1 Flange & Weld-o-let & Fabricate 4" Spool w/2 Flanges & 1/3" Weld-o-let	760.00
14	Covello Group	Prog Pymt#19: Recycled Water Pipeline Expansion (Bal Remaining on Contract \$271,871.43)	13,247.30

Seq	Payable To	For	Amount
15	Dowden, Mary Ann	Payroll & Accounts Payable Consulting Services (12/10-12/17/12) (Bal Remaining on Contract \$6,660)	1,580.00
16	GFS Chemicals	Turbidity Standards (STP)	492.88
17	GHD	Engineering Services: Aqueduct Relocation (\$6,696, Bal Remaining on Contract \$22,199) & Novato Water System 2012 Master Plan Update (\$7,200, Bal Remaining on Contract \$17,219)	13,896.00
18	Goode, Virginia	Novato "Washer Rebate" Program	50.00
19	Grainger	18 Volt Battery Pack (3) (\$322), Connectors (3) (Pt Reyes Well #2) (\$251) & Distribution Block for Lynwood P.S. (\$88)	661.27
20	Grossi, George	Remove & Dispose of Manure from Grossi Dairy (Watershed)	16,000.00
21	InfoSend	November Processing Fee for Water Bills (\$1,563) & Postage (\$3,888)	5,450.75
22		Cafeteria Plan: Uninsured Medical Reimbursement	372.00
23	Keith, Mike	Novato "Toilet Rebate" Program	100.00
24	Kemira Water Solutions	Ferric Chloride (10 tons)	7,395.80
25	Lincoln Life	Deferred Compensation PPE 12/31	9,496.14
26	Liston's Appliance Service	Dryer Repair (STP)	386.15
27	Maltby Electric	Flex Conduit & Electrical Supplies (\$101)	157.85
28	Marin Reprographics	4 Sets of Full Size Drawings for Recycled Water South Phs 2 Project (24" X 36")	907.31
29	Nationwide Retirement Solution	Deferred Compensation PPE 12/31	1,025.00
30	Nguyen, Thu-Ha	Novato "Washer Rebate" Program	50.00
31	Novak, J & N	Refund of Deposit / New Development/Water Conservation Restriction (Novato)	1,000.00
32	Office Depot	Monthly Desk Pad Calendars (4), Yearly Wall Calendars (2) & Copy Paper (40 reams) (\$157)	187.90


Seq	Payable To	For	Amount
33	Old Republic Title	Report Fee for PR Solids Handling Project	150.00
34	Pace Supply	Couplings (47) (\$2,054), PVC Pipe (40'), Plugs (12), Tee (\$123), Flanges (4) (\$47) & Nipples (7) (\$135)	2,412.50
35	Paganini Enterprises	Orange Ben Davis Shirts (28) (Const)	733.37
36	Pape Machinery	Air Filters (6) (\$174), Filter Elements (5) (\$140) & Oil Filters (2)	344.62
37	PERS Retirement System	Pension Contribution PPE 12/15/12	44,934.70
38	Peterson, Neil	Novato "Washer Rebate" Program	50.00
39	PG&E	Power: Bldgs/Yard (\$2,800), Rectifier/Controls (\$385), Pumping (\$32,270), Treatment (\$127) & Other (\$92)	35,673.18
40	Point Reyes Prop Mgmt Assn	December HOA Dues (25 Giacomini Rd)	75.05
41	Pollard Water	Shut off Clamp	1,530.13
42	Ramudo, Pablo	Exp Reimbursement: ACWA San Diego Conference Airfare (\$225), Mileage (\$54), Car Rental (\$26), Parking, Meals & Hotel (\$144)	592.74
43	Roberts & Brune	Vault (\$1,159) & Hub Adapter (\$193)	1,351.91
44		Cafeteria Plan: Uninsured Medical Reimbursement	321.00
45	Ross, Alexandra	Novato "Toilet Rebate" Program	100.00
46	Self-Insurance Plans	FY13 Workers' Comp Self-Insurance Fee	360.07
47	Sequoia Safety Supply	Safety Glasses (24) (\$80), Ear Plugs, Brief Relief Urine Bags (100) (\$221), Drivers Gloves (12) (\$66), Rainjackets w/Hood (4) (\$184) & Overalls (6) (\$126)	729.73
48	Solar, Rosalia	Novato "Washer Rebate" Program	50.00
49	Sonoma County Water Agency	November Contract Water	214,216.69
50		Cafeteria Plan: Uninsured Medical Reimbursement	50.00
51	Thomas Scientific	Chlorine (Lab)	39.05

Seq	Payable To	For	Amount
52	Thurlow, William	Novato "Cash for Grass" Program	400.00
53	Township Building Services	November Janitorial Services	1,754.84
54	Watkins, Hilde & Kevin	Refund Overpayment on Closed Account	49.95
55	Wiley Price & Radulovich	Labor Agreement Facilitation (\$5,589) & Harassment Training (\$1,500)	7,089.00
		TOTAL DISBURSEMENTS	<u>\$577,288.96</u>

The foregoing payroll and accounts payable vouchers totaling \$577,288.96 are hereby approved and authorized for payment.


12/21/12

Auditor-Controller Date


12/21/2012

General Manager Date

DISBURSEMENTS - DATED JANUARY 3, 2013

Date Prepared: 12/31/12

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	AAA Business Interiors	Warehouse Work Station Renovation	\$3,573.45
2	AirGas	December Cylinder Rental (Carbon Dioxide)	23.85
3	Athens Administrators	November Workers' Comp Cost	241.37
4	AT&T	Telephone Charges: Local (\$16) & Minimum (\$201)	216.68
5	AWWA CA-NV SEC	Fee to Renew WQ Analyst 3 Certification (Budget \$60)	55.00
6	Badger Meter	1" Water Meter	163.07
7	Baker, Jack	Director's Fee	200.00
8	Birnie, Karen	Novato "Washer Rebate" Program	50.00
9	Bold & Polisner	November Legal Services: Lagunitas Water Rights (\$700), NBWRA Grant Outreach (\$543) & RW Expansion So Phs 1B (\$370)	1,612.00
10	Business Card	New Gavel for Board, Internet Pymt Fee (\$121), Disposable Cups (\$119), Saucers for Plants (Boardrm) (\$81), Reg for Chamber Installation Luncheon (\$50) (Bentley) & Harassment On-Line Train Course (\$42)	431.35
11	California State Disbursement	Wage Assignment Order (3)	1,518.50
12	Case Power and Equipment	Seat Assy ('93 Case Loader 480F)	391.51
13	Chartouni, Charif	Refund Alternative Compliance Reg 15 Deposit	630.00
14		Cafeteria Plan: Uninsured Medical Reimbursement	18.53

Seq	Payable To	For	Amount
15	Core Utilities	Consulting Services: November IT Support (\$5,000), PLC Program Work (\$1,225) (Bal Remaining on Contract \$18,125), Core Database Modifications (\$550) & Website Maintenance (\$50)	6,825.00
16	Cummings Trucking	Rock (64 yds)	2,295.89
17	Currie, William	Novato "Toilet Rebate" Program	200.00
18	De Gabriele, Chris	Exp Reimbursement: December Mileage	183.15
19	Dell Computers	Replacement PC (McDonough)	608.95
20	Environmental Science Assoc	Prog Pymt #20: NMWD SRF Environmental Support Services-RW Exp Proj Phs 1A & 1B (Bal Remaining on Contract \$10,637.66)	5,318.87
21	Fraites, Rick	Director's Fee (\$200), Russian River PPFC Meeting on 12/20/12 (\$100) & North Bay Watershed Assoc Meeting 12/7/12 (\$100)	400.00
22	Golden Gate Petroleum	Gasoline (\$3.33/gal) & Diesel (\$3.82/gal)	3,119.13
23	Grainger	9 Volt Batteries (24), Round Slings (2) (\$88) & Kneeling Pads (2) (\$83)	196.16
24	Home Depot	Reciprocating Saw (Construction/Maintenance Dept)	117.24
25	Idexx Laboratories	Colilert Media (400) & Bottles (600) for Drinking Water Coliform Testing (Lab)	1,633.52
26	JRL Machine & Driveline	Part to Repair Butterfly Valve on San Marin Dr.	705.26
27	Kaiser Foundation Health Plan	DMV/DOT Physical (Kerry Lemos)	70.00
28		Cafeteria Plan: Uninsured Medical Reimbursement	236.65
29	Losik, Judy & Jerry	Novato "Washer Rebate" Program	50.00
30	Maltby Electric	Copper Wire for Lynwood P.S. Repairs	17.64
31	McMaster-Carr Supply	Heavy Duty Clips (16)	36.60
32	Microtech Scientific	Lauryl Sulfate Broth (Lab)	165.33
33		Wage Assignment Order	284.00

Seq	Payable To	For	Amount
34	North Marin Water District	Employee Assoc Dues (December)	460.00
35	Novato Sanitary District	Penalty for Contractor Delay Caused by NMWD Mismarking Pipe Location (767 Clausing)	2,370.24
36	Nute Engineering	Engineering Services: South Area Water Recycling Construction (Bal Remaining on Contract \$17,106)	156.00
37	On Line Resource	Refund on Payment on Closed Account	40.00
38	Pace Supply	Nipple, Coupling, Caps (4) & Bushings (33) (\$93)	147.59
39	Pape Machinery	Seal Kits (2) (\$151), Throttle Linkage (2) (\$375) & Throttle Pedal Sensor (\$157) ('04 John Deere Backhoe)	683.21
40	PERS Health Benefits	Jan Health Insurance Premium (Employees \$50,147, Retirees \$10,576 & Employee Contrib \$10,272)	70,995.07
41	Petterle, Stephen	Director's Fee	200.00
42	Point Reyes Light	Subscription Renewal (12/12-12/14)	119.00
43	Rodoni, Dennis	Director's Fee	200.00
44	Schoonover, John	Director's Fee Less Deferred (\$150) & NBWRA Quarterly Meeting 11/15/12 (\$100)	250.00
45	Shirrell Consulting Services	Jan Dental Insurance Admin Fee	293.80
46	Smith, John	Novato "Washer Rebate" Program	50.00
47	South Bay Foundry	6" Valve Caps (70)	1,323.00
48		Cafeteria Plan: Uninsured Medical Reimbursement	310.00
49	URS	Prog Pymt#10: Construction Management Services for RW So Project (Bal Remaining on Contract \$199,949)	40,155.25
50	US Postal Service	Meter Postage	1,000.00
51	Verizon California	Telephone Charges: Leased Lines (\$599) & Minimum (\$28)	626.75

Seq	Payable To	For	Amount
52	Watersavers Irrigation	Weed Killer (\$67) (2.5 gal) & Irrigation Supplies (\$112)	174.26
53	White Cap Construction	Emergency Sand bags (35)	43.15
54		Cafeteria Plan: Childcare Reimbursement	208.33
		TOTAL DISBURSEMENTS	<u>\$151,394.35</u>

The foregoing payroll and accounts payable vouchers totaling \$151,394.35 are hereby approved and authorized for payment.

_____
Auditor-Controller

12/31/12

Date

_____
General Manager

12/31/2012

Date

(Check Request form to be used only when payee cannot provide an invoice or statement)

PURPOSE: N B Watershed Assoc
Meeting 12/7/12

TOTAL	100.00
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Katie Young

From: Rick Fraites [ricfraites@aol.com]
Sent: Wednesday, December 12, 2012 6:22 PM
To: Katie Young; Renee Roberts
Subject: Meeting attendance compensation

Katie/Renee:

I am requesting the usual compensation for attending the December 7, 2012 meeting of the North Bay Watershed Association meeting held in Petaluma.

Thank you,

Rick Fraites
ricfraites@aol.com
415.717.4350

NORTH MARIN WATER DISTRICT CHECK REQUEST

(Check Request form to be used only when payee cannot provide an invoice or statement)

PAYEE: FRAITES, RICK 50 FORREST RD NOVATO, CA 94947	DATE 12/28/12 TOTAL 100.00
---	---

PURPOSE: DIRECTOR'S FEE


CHARGE TO:

DISPOSITION OF CHECK

- ☐ MAIL TO PAYEE
- ☐ HOLD FOR
- ☐ OTHER

REQUESTED BY

APPROVED TO PAY BY

Prepared By C.F.	Accounting Review	POST DATE 12/12	Vendor No FRAI01	 NORTH MARIN WATER DISTRICT
Invoice Number CKRQ122812		Invoice Date 12/28/12	Invoice Amount \$100.00	
NMWD Comment: Russian River Instream Flow Restoration Meeting 12/28/12				

Job Number	GL Account	Amount
	56001.01.11	100.00
TOTAL		100.00

Katie Young

From: Rick Fraites [ricfraites@aol.com]
Sent: Friday, December 21, 2012 11:11 AM
To: Katie Young
Subject: Meeting attendance compensation

Katie:

I am requesting the usual meeting attendance compensation for attending the December 20, 2012 Russian River Instream Flow and Restoration public policy facilitating meeting held in Santa Rosa.

Thank you,

Rick Fraites
ricfraites@aol.com
415.717.4350

NORTH MARIN WATER DISTRICT CHECK REQUEST

(DO NOT USE IF THERE IS A VENDOR INVOICE)

PAYEE: JOHN SCHOONOVER	
	DATE:
	AMOUNT: \$100.00
PURPOSE: ATTENDANCE AT	
Date: NBWRA QUARTERLY MEETING NOVEMBER 19, 2012	

CHARGE TO:

DISPOSITION OF CHECK

☒ MAIL TO PAYEE

☐ HOLD FOR
OTHER

JOB ACCOUNTING REVIEW

REQUESTED BY

APPROVED TO PAY BY

\\NMWDSRV1\ADMINISTRATION\FORMS\CHECK
REQUEST.DOC REV. 0510

Prepared By <i>JMS</i>	Accounting Review <i>1</i>	POST DATE <i>12/12</i>	Vendor No <i>Schoon</i>
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Invoice Number (CK Reg ID)	Invoice (CK Reg) Date	Invoice (CK Reg) Amount
<i>CHK 12/12</i>	<i>12/10/12</i>	<i>100.00</i>

NMWD Comment
<i>NBWRA Quarterly Meeting 11/15/12</i>

Job Number	GL Account	Amount
	<i>56001-01.1</i>	<i>100.00</i>
TOTAL		<i>100.00</i>

Connie Filippi

From: David Bentley
Sent: Wednesday, January 02, 2013 8:09 AM
To: Connie Filippi
Subject: FW: compensation

From: schoonover7@aol.com [mailto:schoonover7@aol.com]
Sent: January 01, 2013 8:34 PM
To: David Bentley
Subject: compensation

I attended NBWRA quarterly meeting on November 19, 2012 and wish to be compensated in compliance with the Board of Directors Compensation Procedure Policy #13.

Thank You,

John Schoonover

DISBURSEMENTS - DATED JANUARY 10, 2013

Date Prepared: 1/7/12

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 Law:

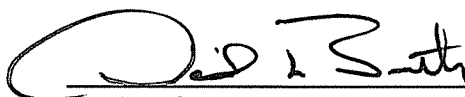
Seq	Payable To	For	Amount
P/R*	Employees	Net Payroll PPE 12/31/12	\$129,267.72
P/R*	Employees	Final Paycheck (Roberts)	13.94
EFT*	US Bank	Federal & FICA Taxes	58,578.42
EFT*	State of California	State Tax & SDI PPE 12/31/12	10,755.05
1	Able Tire & Brake	Wheel Alignment & Balance (\$141) ('08 F250), Tires (6) (\$389-'04 Chevy Silverado & \$492-'99 Dodge Ram), Wheel Alignment (\$81) ('99 Dodge Ram) & Tire Disposal Fee	1,110.33
2	AJ Printing & Graphics	Pro-Rata Share of Sonoma-Marin Saving Water Partnership Washing Machine Rebate Flyers (280)	132.73
3	American Family Life Ins	December Employee Contrib for Accident, Disability & Cancer	3,809.86
4	AT&T	Telephone Charges: Leased Lines (\$276), Local (\$72) & Minimum (\$635)	983.95
5	Automation Direct	Power Supplies for Booster Pumps	174.00
6	Bay Alarm	Quarterly Fire Alarm Monitoring Fee (STP)	311.35
7	Building Supply Center	Surge Suppressor, Tape & Concrete (\$89) (80 lbs)	109.92
8	Calif Public Health Services	Reg Fee: Water Distribution Operator Exam Fee (Grade D2) (Joe Corda)	45.00
9	Castellucci, Peter	Exp Reimbursement: Water Distrib Operator Exam Fee (Grade 2)	45.00
10	CDW-Government	USB Cable (Young)	26.51
11		Cafeteria Plan: Uninsured Medical Reimbursement	600.00

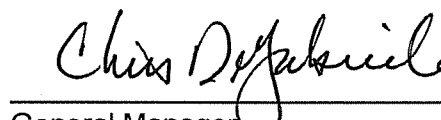
Seq	Payable To	For	Amount
12	Cole-Parmer Instrument	Hydrogen Peroxide (6 lbs) (STP)	347.13
13	Costco Wholesale	Coffee & Filters	60.17
14	Drager Safety	Annual Inspection of SCBA Equipment (Lab)	1,328.00
15	Environmental Resource Association	Annual Lab Sample Testing Precision Study (Bal Remaining on Contract \$1,123)	292.46
16	Gale, Audrey	Novato "Washer Rebate" Program	50.00
17	Grainger	Power Line Supply, Drill Bit Set (\$81), Tool Tote (\$53), Shop Grinder (\$97), Electric Test Meters (3) (\$189), 'D' Batteries (24), Measuring Tapes (4) & Storage Bags (6) (\$50)	531.94
18	Grotjahn, Tony	Refund Overpayment on Closed Account	96.05
19	Hach	Chlorine Reagent, Membrane Kit (\$82), Sodium Persulfate & Cylinder (STP)	466.12
20	Hello Direct	Telephone Headset (Mello)	264.10
21	Henry, Tony	Refund Overpayment on Closed Account	50.11
22	Hertz Equipment Rental	Backhoe Rental (11 hrs)	237.62
23	International Fire	Annual Fire Extinguisher Service (74 Inspections & 2 New Extinguishers \$135)	1,517.35
24	John's Dairy Equipment & Supply	Chlorine Tablets (100 lbs)	365.04
25	Kelly-Moore Paint	Paint (3 gals) (\$103), Primer (1 qt) & Supplies (Front Office)	130.26
26		Cafeteria Plan: Uninsured Medical Reimbursement	12.12
27	Lincoln Life	Deferred Compensation PPE 12/31/12 (Roberts)	9,000.00
28		Cafeteria Plan: Childcare Reimbursement	208.33
29	Madruga Iron Works	Vault Lids (2) (3' x 5')	3,129.14
30	Marin Landscape Materials	Mason Mix & Cement (\$92) (1/2 yd)	108.24
31	County of Marin	Encroachment Permit for Loma Verde PB Replacement Project	2,048.00

Seq	Payable To	For	Amount
32	McLellan, WK	Misc Paving (Novato) (155 sq ft)	1,335.25
33	Metrohm USA	Consumables for IC System (Lab)	831.86
34	Novato Builders Supply	Replacement Board for Trailer Deck, Exp Joint (10) (\$48), Poly Varnish Brushes(2), Plastic Wrap (\$252), Lumber (\$64), Rip Blades, Screws, Glue, Safety Hinges (4), Spring Snap Links (4), Wire for Plant Protection (\$341) & 6' Stakes (40) (\$228)	1,047.09
35	Pace Supply	Splices (25) (\$398), Flanges (12) (\$140), Hydrant Extensions (2) (\$152) & Corp Stops (10) (\$229)	919.76
36	Pape Machinery	Diagnostic for Backhoe ('04 John Deere)	250.00
37	PERS Retirement System	Pension Contribution PPE 12/31/12	50,853.35
38	PG & E	Power: Bldgs/Yard (\$2,677), Rectifier/Controls (\$413), Pumping (\$17,821), Treatment (\$140) & Other (\$88)	21,138.71
39	Pini Hardware	Floor Wax (3 qts) (Warehouse), Hardware Supplies, Grounding Plug, Cord, Tees (2), Locknuts, Copper Wire (10'), Carbon Monoxide Detector (\$31) (Apartment), Light Bulbs (Apartment), Ant Bait (\$31) (Office), Pressure Line for Pressure Calibrator, Light Switches w/Timer (Construction Lunchroom), Shop Vac Filter, Telephone Cord Plugs, Screws, Offset Screwdriver & Odor Eliminator (2-27oz)	313.28
40	Ranger Pipelines	Final Pymt: RW North Seg 2 Project - Retention	170,728.65
41		Cafeteria Plan: Uninsured Medical Reimbursement	340.00
42		Cafeteria Plan: Uninsured Medical Reimbursement	27.06
43	The Transmitter Shop	Repair 3 Rosemount Transmitters	1,614.00
44	United Parcel Service	Delivery Services: Sent Letter Regarding Unpaid Fees & Polymer Pump for Centrifuge for Repairs	42.01

Seq	Payable To	For	Amount
45	Verizon California	Telephone Charges: Leased Lines	876.82
46	Verizon Wireless	December CIMIS Station Data Transfer Fee (2)	23.48
47	Water Opcert School	Exam Review Class (Joe Corda & Castellucci)	400.00
48	Williamson, Nancy	Exp Reimbursement: 2012 W2 Forms	35.79
49	Winzer	Absorbent (12 gal)	89.03
		TOTAL DISBURSEMENTS	<u>\$477,072.10</u>

The foregoing payroll and accounts payable vouchers totaling \$477,072.10 are hereby approved and authorized for payment.


1/31/13
 Auditor-Controller Date


1/8/2013
 General Manager Date

MEMORANDUM

To: Board of Directors

January 11, 2013

From: David L. Bentley, Auditor-Controller

Subj: Information – FY13/14 CalPERS Employer Rate

t:\ac\word\personnel\pers\fy14 rate.docx

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: \$1,032,000 in FY14 – a \$44,000 Increase from FY13

CalPERS notified the District that its fiscal year 2013-2014 (FY14) employer contribution rate will increase by 1.088% of payroll, to 20.035%, or about \$44,000. The FY14 employer rate increase significantly exceeds the 0.253% increase projected by CalPERS actuarial staff one year ago. The upward revision in the rate is due in large part to the reduction in the District's salary base, due to the 14% reduction in personnel since the peak in FY08.

The total District CalPERS contribution next fiscal year, including the employer-paid employee contribution¹, will be \$1,032,000². A CalPERS preliminary projection for the following fiscal year, FY15, shows that the District should anticipate a 21% employer rate, adding another \$40,000 to the annual obligation. The projected FY15 contribution is based on an estimated CalPERS investment return of 0% for the year ending June 30, 2012.

The District's funded ratio³ was 79.6% at June 30, 2011 (the most recent data available). The availability of a funded ratio specific to NMWD is a welcome addition to the CalPERS annual valuation report. NMWD's individual funded ratio had been unavailable since 2003 when the District was assigned by CalPERS to a "pooled risk group" of 165 agencies having less than 100 employees that participate in the 2.5% at 55 benefit plan.

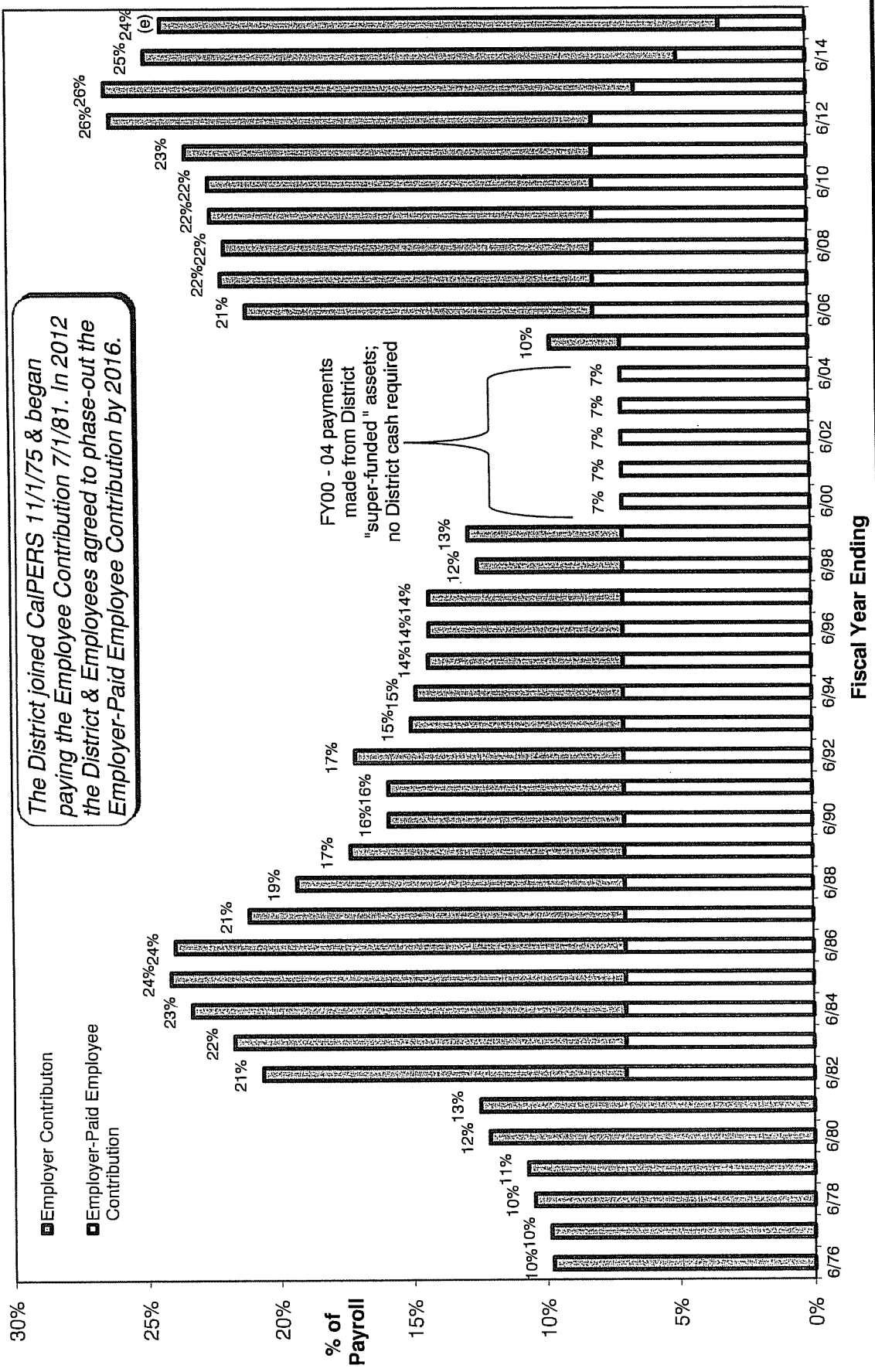
¹ The employer-paid employee contribution is 6.4% of payroll through September 30, 2013, then 4.8% for the balance of FY14, pursuant to the recently approved MOU with employees.

² Contribution amount is based on current payroll of \$4.06 million, adjusted for the 1.6% reduction in the employer-paid employee contribution and offsetting 1.6% salary increase effective October 1 of each fiscal year as per the MOU.

³ Funded ratio is calculated as the actuarial value of assets (wherein market gains and losses are amortized over time) divided by the accrued liability. Using the market value of assets at 6/30/11 yields a funded ratio of 71.3%. Fitch Ratings agency generally considers a funded ratio of 70% or above to be adequate and less than 60% to be weak. "Enhancing the Analysis of U.S. State and Local Government Pension Obligations," Feb. 17, 2011.

http://www.ncpers.org/Files/2011_enhancing_the_analysis_of_state_local_government_pension_obligations.pdf

History of North Marin Water District CalPERS Contribution



MEMORANDUM

To: Board of Directors

January 11, 2013

From: David L. Bentley, Auditor-Controller

Subj: Self-Insured Workers' Comp – 2nd Quarter Status Report

t:\ac\word\personnel\wc\self ins status 1212.docx

RECOMMENDED ACTION: None

FINANCIAL IMPACT: Cumulative Savings of \$140,000

The District returned to self-insuring its workers compensation liability effective July 1, 2011, after the low-cost proposal for first-dollar workers' compensation coverage increased 20% over the prior year, to \$159,000. During FY12 two claims were incurred. Total medical and indemnity cost came to \$15,500, which amount includes a \$5,473 reserve for future medical. The cost to self-insure during FY12 was \$73,046, providing a savings of \$85,954 compared to purchasing standard coverage.

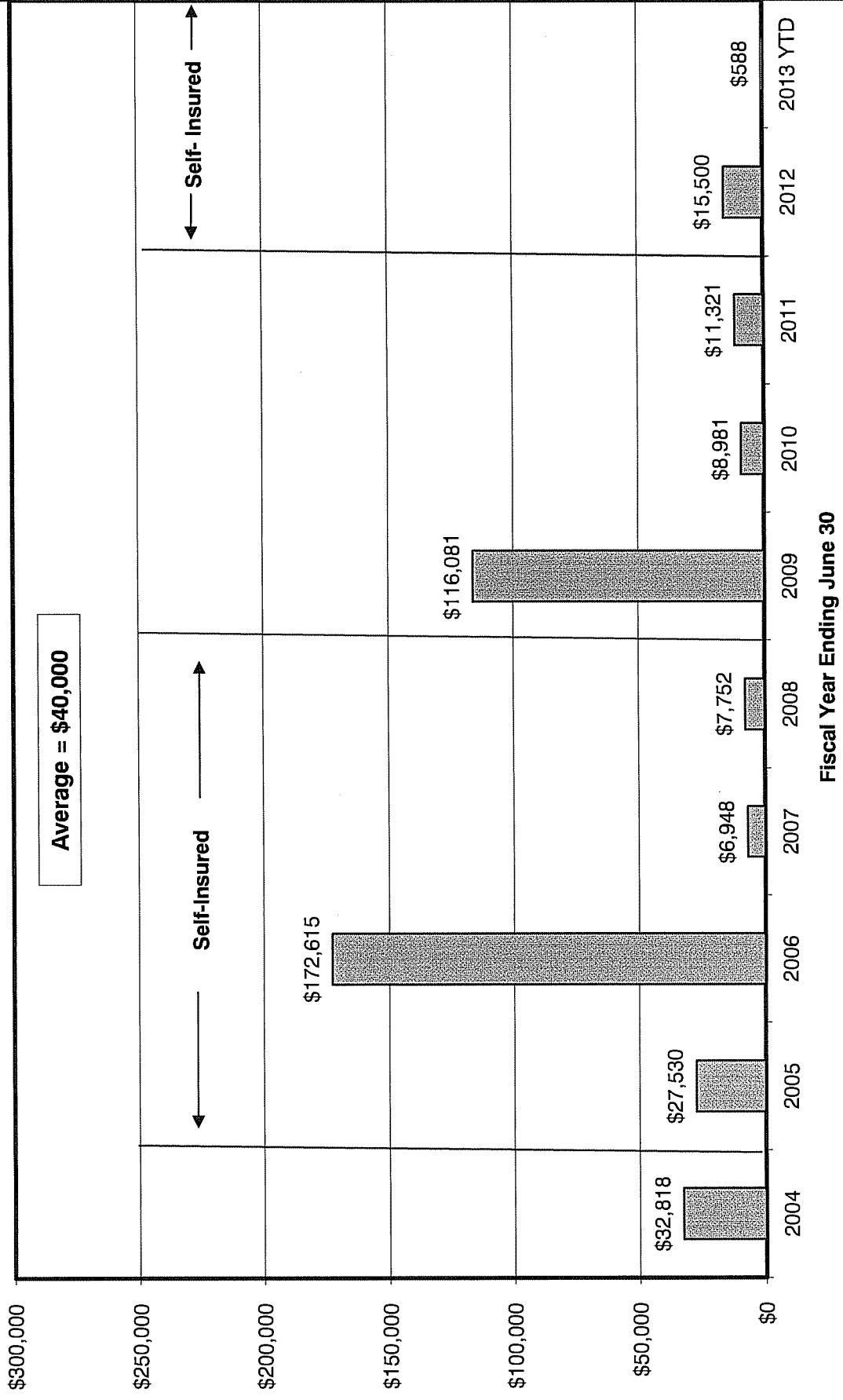
We were unable to obtain a quote for first-dollar workers' compensation insurance for FY13, however our broker advised that they are seeing premiums increase 6.5% on average, which would render an annual premium of \$169,000. During the first half of FY13 two minor claims were incurred, both of which have closed. Total medical cost was \$588. Cumulative savings for the first six quarters of self-insurance total \$139,984. This money has been set-aside in a reserve for future claims.

Attached are charts showing a 10-year history of annual claims cost (average \$40,000 per year) and 10-year history of claims frequency (average 10 claims per year).

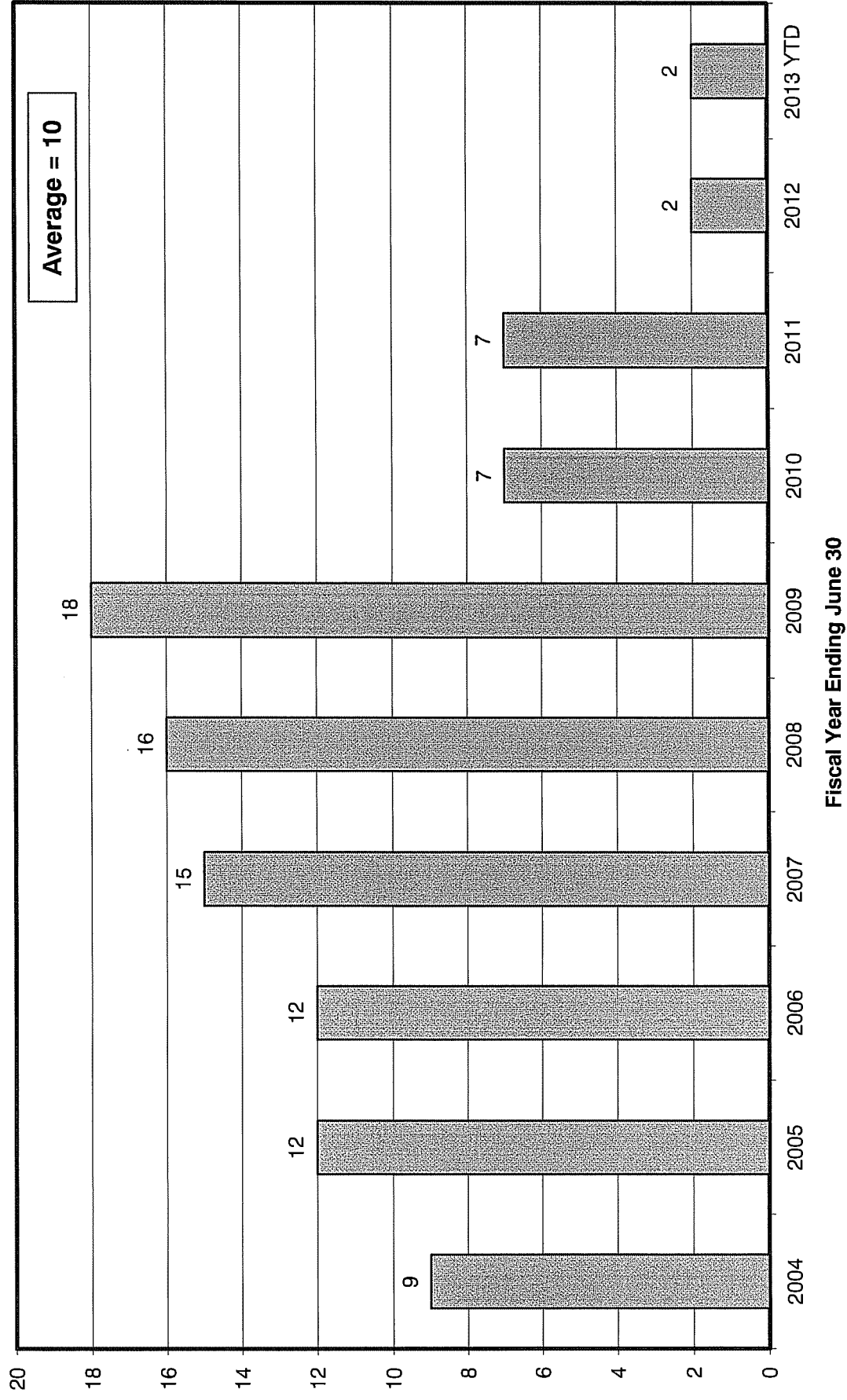
	FY12	FY13 Thru 12/31/12	Cumulative
Premium Avoided	\$159,000	\$84,500	\$243,500
Self-Insured Costs			
Medical/Indemnity Claims	(15,500)	(588)	(16,088)
Third Party Administration	(12,000)	(6,000)	(18,000)
Excess Policy	(45,546)	(23,882)	(69,428)
Legal/Miscellaneous	0	0	-
Net Savings	\$85,954	\$54,030	\$139,984

Workers' Compensation Claim Cost by Year Injury Incurred

10 Year History



Workers' Compensation Claims Filed - Frequency 10 Year History



MEMORANDUM

To: Board of Directors
From: Dianne Landeros, Accounting/HR Supervisor
Subj: Annual Sick Leave Buy-Back
t:\aclword\personnel\sick leave buyback 2012.docx

January 11, 2013

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: \$15,077 in 2012

Employees accrue one day of sick leave each month. In 1970 the District adopted a policy to recognize employees who do not use much sick leave by allowing them to annually sell back unused sick leave in excess of 90 days at 50% of their pay rate. This buy-back policy provides an incentive for employees to use their sick leave benefit judiciously, and rewards those who do so, while simultaneously reducing the District's accrued sick leave liability.

In 2012 thirteen employees had accrued sick leave in excess of 90 days. Seven chose to retain their accrued sick leave with the plan to convert it to additional service credit at retirement. Six elected to convert their eligible sick leave to cash, at a District cost of \$15,077.

NORTH MARIN WATER DISTRICT

Cost Of Annual Sick Leave Buy-back Benefit

District policy allows buy-back of accrued sick leave in excess of 90 days @ 50% of value.

Paid for Calendar Year	Gross (Base) Pay	FICA, W.C. + & Unemp Ins ¹	= Overheaded Cost	% of Overheaded Payroll ¹	Days Purchased	Employees Participating	Cost per day
1989	\$12,628	\$1,269	\$13,897	0.54%	145.5	14	\$95.51
1990	\$11,068	\$1,261	\$12,328	0.46%	126.0	13	\$97.84
1991	\$10,772	\$1,270	\$12,042	0.40%	104.2	12	\$115.52
1992	\$11,909	\$1,464	\$13,373	0.42%	116.4	12	\$114.88
1993	\$13,726	\$1,581	\$15,307	0.47%	130.9	12	\$116.95
1994	\$14,608	\$1,613	\$16,221	0.51%	151.5	14	\$107.07
1995	\$15,387	\$1,434	\$16,821	0.54%	160.6	16	\$104.76
1996	\$13,295	\$1,222	\$14,517	0.48%	140.0	14	\$103.69
1997	\$9,451	\$910	\$10,361	0.32%	93.2	11	\$111.20
1998	\$8,059	\$786	\$8,845	0.27%	73.8	8	\$119.93
1999	\$8,013	\$846	\$8,859	0.26%	74.8	8	\$118.51
2000	\$10,081	\$1,040	\$11,122	0.32%	91.0	10	\$122.16
2001	\$11,379	\$1,164	\$12,543	0.34%	95.9	12	\$130.78
2002	\$11,505	\$1,201	\$12,706	0.33%	94.4	11	\$134.57
2003	\$12,818	\$1,910	\$14,728	0.36%	88.5	9	\$166.46
2004	\$14,700	\$2,443	\$17,143	0.39%	113.8	11	\$150.63
2005	\$10,575	\$1,588	\$12,163	0.23%	66.0	6	\$184.29
2006	\$12,006	\$1,588	\$13,594	0.24%	78.3	8	\$173.62
2007	\$16,214	\$1,816	\$18,030	0.31%	95.8	9	\$188.30
2008	\$13,606	\$726	\$14,332	0.24%	69.5	6	\$206.22
2009	\$10,472	\$731	\$11,203	0.17%	61.6	5	\$181.81
2010	\$15,978	\$1,155	\$17,133	0.27%	84.5	8	\$202.68
2011	\$16,155	\$1,037	\$17,192	0.27%	83.9	8	\$204.96
2012	\$14,071	\$1,006	\$15,077	0.23%	64.4	6	\$234.22
Average:	\$12,436	\$1,294	\$13,731	0.35%	100.2	10	\$145.27

¹ Tax rates and payroll amounts used are from December of each respective year.
Workers' comp rate used is average rate in effect.

MEMORANDUM

To: Board of Directors

January 11, 2013

From: David L. Bentley, Auditor-Controller

Subj: Information – Renewal of Oceana Marin Liability Insurance
t:\ac\word\insurance\11\om liability ins purchase 13.docx

RECOMMENDED ACTION: Information

FINANCIAL IMPACT: \$2,033 Expense for Oceana Marin Sewer vs. \$3,000 Budgeted

The 2013 premium for Oceana Marin sewer improvement district's \$1 million liability insurance policy is down 25% from 2012. This coverage is provided via the California Sanitation Risk Management Authority (CSRMA), a Joint Powers Authority that also provides coverage for the sanitary districts in Novato, Central Marin, Las Gallinas, San District's 1&5, Sausalito-Marín City and Southern Marin. \$3,000 was budgeted for this purchase.

Note from the attached chart Oceana Marin's insurance premium decreased significantly in 2010, and continues to fall. CSRMA again revised their rating formula to the benefit of Oceana Marin. The policy retains a limit of \$1 million per occurrence (\$3 million aggregate) with a zero deductible for property damage and bodily injury.

The underwriter, American Alternative Insurance Company, is a member of Munich-American Holding Corporation, and carries an A.M. Best Rating of A+ XV. The A+ indicates financial strength is superior, and the XV indicates financial size is the largest rated (>\$2 billion statutory surplus).

The premium cost for each of Oceana Marin's 227 customers is \$9 per year. CSRMA reports that the average cost of the 560 sewer overflow claims incurred over the past 10 years was \$20,048¹, which equates to \$88 per Oceana Marin customer absent insurance. In February 2008 a sewer main in Oceana Marin ruptured and CSRMA reimbursed the Oceana Marin district \$50,370 for clean-up costs. Since 1999, when the District initially purchased liability insurance for Oceana Marin, and including the 2013 premium, premium payments total \$60,263.

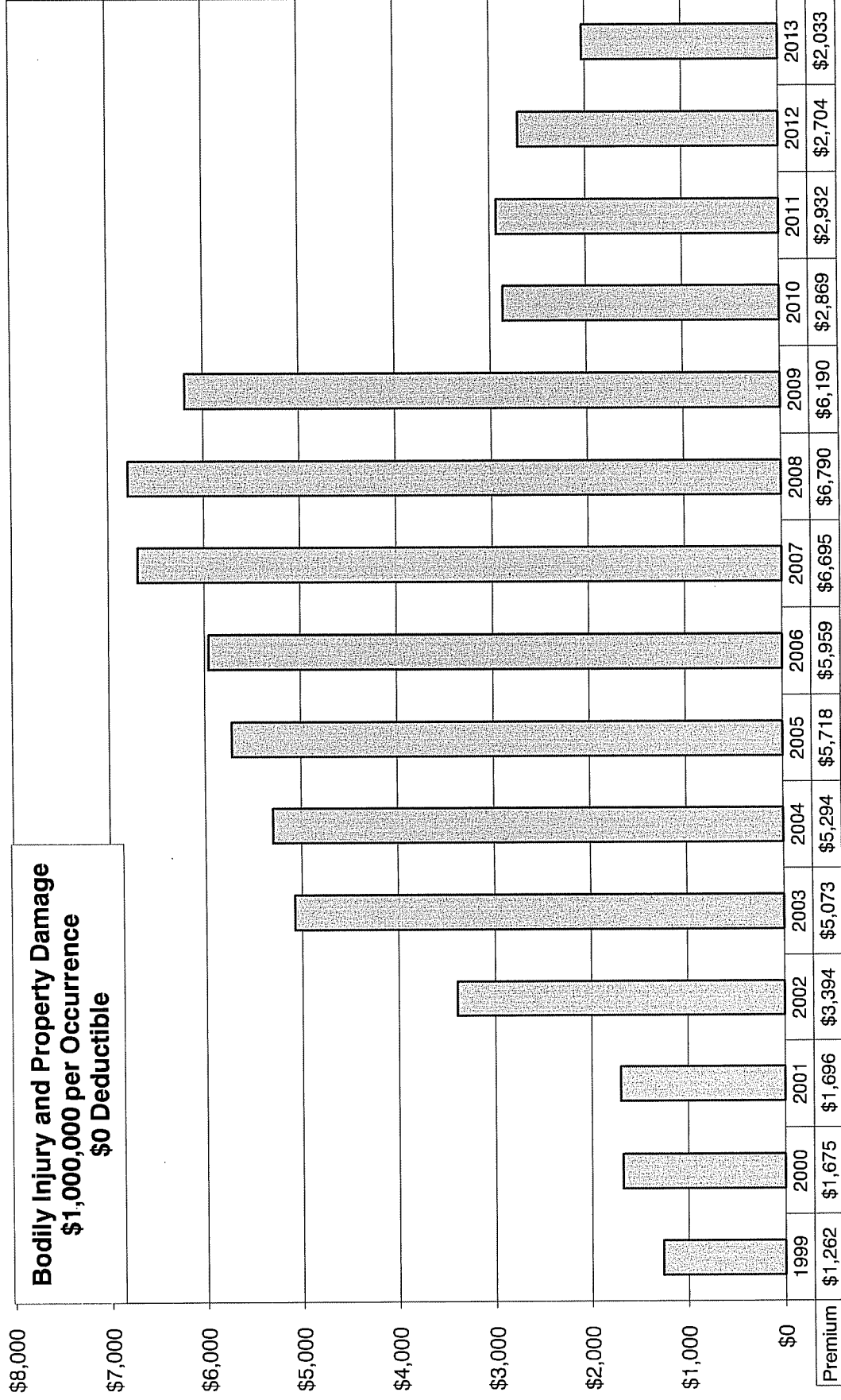
¹ CSRMA 2010/2011 Long Range Action Plan, page 29 - <http://www.csrma.org/docs/agenda-eb-100429.pdf>

12/28/12

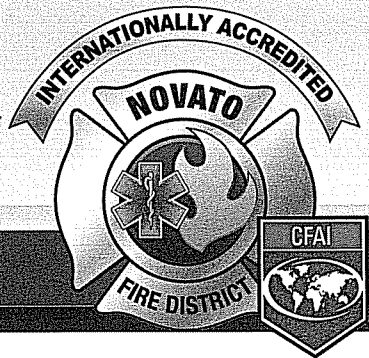
t:\acexcel\insurance\csrma premium history.xls\data

Oceana Marin Liability Insurance Premium

Renews January 1



Bodily Injury and Property Damage
\$1,000,000 per Occurrence
\$0 Deductible



NOVATO FIRE DISTRICT

95 Rowland Way, Novato, CA 94945 • 415.878.2690 • Fax 415.878.2660 • www.novatofire.org

Bob Muscare

December 20, 2012

Chris DeGabriele
General Manager
North Marin Water District
999 Rush Creek Place
Novato, CA 94945

RECEIVED
DEC 27 2012
North Marin Water District

Dear Mr. DeGabriele:

On behalf of the Novato Fire Protection District, I want to thank you and Renee Roberts for assisting Denise Wade with the November 7, 2012 Board meeting. We appreciate Renee's time and the effort she provided us. Her knowledge in this field shows in her professionalism.

We look forward to continuing our partnership with North Marin Water District.

Sincerely,

Ken Massucco
Interim Fire Chief

dw
cc: Renee Roberts

BOD MISC**Chris DeGabriele**

From: Brad Sherwood [Brad.Sherwood@scwa.ca.gov]**Sent:** Friday, December 21, 2012 2:27 PM**Subject:** Press Release from Rep. Thompson on the Russian River as the CA Habitat Focus Area

Greetings: Passing on the below press release from Congressman Thompson's office – Happy Holidays! Brad Sherwood

December 21, 2012

REP. MIKE THOMPSON Announces the selection of the Russian River Watershed as California's Habitat Focus Area through the NOAA Habitat Blueprint Initiative

WASHINGTON, D.C. – Congressman Mike Thompson (CA-1) announced today that the Russian River watershed was selected as California's Habitat Focus Area within the National Oceanic and Atmospheric Administration (NOAA) Habitat Blueprint. NOAA's habitat conservation experts felt that the Russian River offered the greatest opportunities for NOAA-wide collaboration on habitat conservation among the 17 candidate areas identified by the staff this fall.

"I have been impressed with the work being conducted in the Russian River watershed to protect, conserve, and maintain our salmon and steelhead populations. For years, I have promoted, supported, and advocated for this incredible collaborative effort to restore our native fisheries populations and I am pleased that NOAA has recognized the work of this community. I am proud that over the next several years, the Russian River Watershed will be a focal point in salmon restoration, habitat science, and conservation within the United States" said Thompson.

"This designation recognizes the Russian River watershed as one of the most promising regions in the nation for real improvements in fish habitat. Stakeholders should be proud of the efforts they've made, whether it's volunteering at river clean-up days, adopting fish-friendly farming practices or creating habitat on their property," said Sonoma County Water Agency and Sonoma County Chairwoman Shirlee Zane. "The community-wide focus on the watershed is one of the aspects that made this region attractive to the National Marine Fisheries Service."

The Russian River drains 1,485 square miles, including much of Sonoma and Mendocino counties and is home to three fish on the endangered and threatened species lists: coho salmon, Chinook salmon, and steelhead trout.

For years, the Sonoma County Water Agency and other stakeholders have worked tirelessly to enhance the fish and wildlife resources of the Russian River, and have developed sound science technology to protect, preserve and restore the threatened and endangered fish species.

Because of the community's strong effort to protect the salmon population, NOAA selected the Russian River as California's Habitat Focus Area within NOAA Habitat blue print.

The Habitat Blueprint strives to "improve the way NOAA does business", improving fish habitat protection through increased efficiency and creative partnerships. The Russian River watershed is an excellent example of these partnerships.

The habitat enhancement work that is taking place and will continue as part of the Habitat

Blueprint include supplementing cold water releases by providing the shady, complex habitat critical for young coho and steelhead, along with other habitat restoration and enhancement projects are being done throughout the Russian River watershed. These efforts are accompanied by extensive monitoring in order to measure success and to continually improve projects and programs.

The local community also recognizes the value of a watershed approach to improving the health of the river and its species. Private landowners throughout the watershed are working to create off-stream water storage to use for frost protection and irrigation in order to reduce demand on the river.

Thank you,
Brad Sherwood
Public Information Officer
Public Affairs Department
Sonoma County Water Agency
Phone: 707.547.1927
Mobile: 707-322-8192
Fax: 707.528.2080
404 Aviation Blvd.
Santa Rosa, CA 95403

Working to secure our future by investing in our water resources, environment and community



BOD
misc

Rail work to start in Marin in 2013

Posted:

marinij.com

Work on the Sonoma-Marín Area Rail Transit District commuter train will come to Marin in the new year and force the closure of several intersections in San Rafael and Novato as crossing improvements are made.

SMART's contractor Stacy Witbeck/Herzog will be replacing several railroad crossings in Marin in January and February.

Crossing upgrade work includes replacing the existing old wood crossings with smooth concrete panels and new track where it crosses the roadway. The new crossings will eliminate the bumpy surface and are safer to navigate for bicycles, wheelchairs and cars, according to SMART.

A half-dozen intersections will be worked on over the next two months. The roads will be closed to all traffic at the crossing during construction work. Controlled pedestrian access will be available.

There will be electronic message boards at each crossing and detour signs showing alternate routes. The construction activities are weather dependent, so dates and times are current estimates and subject to change, officials said.

Meanwhile, SMART has approved spending another \$6.6 million to add to its order of rail cars, bring the total to 14. The first SMART rail car should arrive in October for testing, according to train officials.

A SMART rail car will be one of the first products off the floor of Nippon Sharyo USA Passenger Railcar Factory, which opened over the summer in Rochelle, Ill.

Local service, between Santa Rosa and San Rafael, is not set to start until late 2015 or 2016. Voters in Marin and Sonoma counties approved a quarter-cent sales tax increase in November 2008 to finance the project that was to stretch from Cloverdale to Larkspur, but the economy and other factors have forced the shorter line from San Rafael to Santa Rosa.

Marin stops will include downtown San Rafael, the Marin Civic Center, and stations in Novato at Hamilton and Atherton Avenue. The service could extend to Larkspur as money is found.

Contact Mark Prado via email at mprado@marinij.com

SMART rail work set for various intersections:

Novato:

- Olive Avenue, 7 a.m. Jan. 7 to 6 p.m. Jan. 11
- Grant Avenue, 7 a.m. Jan. 14 to 6 p.m. Jan. 18
- Golden Gate Place, 7 a.m. Jan. 12 to 6 p.m. Jan. 13
- Rush Creek Place, 5 p.m. Jan. 19 to 6 p.m. Jan. 20

San Rafael:

- Smith Ranch Road, 7 a.m. Jan. 22 to 6 p.m. Jan. 25

- Civic Center Drive, 7 a.m. Feb. 18 to 6 p.m. Feb. 21

Source: SMART

TITO SASAKI TAKES THE REINS AS PRESIDENT OF SONOMA COUNTY FARM BUREAU

By Tim Tesconi

Tito Sasaki, a Sonoma Valley grape grower, scientist and businessman, is the new president of Sonoma County Farm Bureau, the county's oldest, largest and most influential agricultural organization.

Sasaki, who is 74, succeeds Joe Pozzi, a Valley Ford livestock rancher, as president of Farm Bureau, a non-profit, grassroots organization that has represented the interests of the county's farmers and ranchers for 95 years.

Sasaki has served as a Farm Bureau Director for the last 10 years. He held all of the offices on Farm Bureau's board of directors before being elected president by fellow directors.

Other officers are John Azevedo, grower representative for Jackson Family Wines, first vice president; Steve Dutton of Dutton Ranches in Sebastopol, second vice president; and John Bidia, vineyard manager at Korbel in Guerneville, treasurer.

Sasaki and his wife Janet Sasaki own and operate a 50 acre ranch, producing pinot noir wine grapes and pears. Part of their property is leased for cattle grazing. The Sasis joined Sonoma County Farm Bureau in 1985 after buying their ranch in the community of Schellville and embarking on an ambitious program to revive a neglected vineyard.

"With the help of Farm Bureau, we rebuilt the vineyard into a profitable business," said Sasaki.

In addition to running Sasaki Vineyards with his wife, Sasaki is president of Quantum Mechanics Corp., a Sonoma-based company that designs, fabricates and tests instruments and equipment for high-energy physics and aerospace.

Sasaki said soon after moving to Sonoma County he came to realize the tremendous value of Farm Bureau and its crucial role in representing farmers' interests, protecting property rights and preserving agriculture for future generations. Farm Bureau, he said, provides the structure for farmers to work together to tackle important issues.

"An organized action is sometimes more effective than individual actions," said Sasaki. "As a united voice of its members, Farm Bureau yields a strong impact on the local political process. We also use our collective bargaining power to get better prices for our members on fuels, insurance premiums, farm equipment and supplies."

Sasaki said Farm Bureau is the county's leader in educating urban school children, government leaders and the general citizenry about agriculture and farmers' needs at a time when most people have no direct connection to farming and food production.

"Educational support is area in which Farm Bureau is making a great contribution," said Sasaki. "Farm Bureau is committed to helping tomorrow's farmers and ranchers in Sonoma County."

Additionally, he said, Farm Bureau serves as ready source of information on agriculture. Major news about Sonoma County agriculture is reported in the organization's Sonoma-Marin Farm News, on the Sonoma County Farm Bureau website and in the California Farm Bureau Federation's Ag Alert.

Sasaki said as president he will continue the excellent work done by his predecessors including Joe Pozzi, Bob Muellrath, Doug Beretta and Mike Strunk.

"With my fellow Farm Bureau directors and staff, I want to be part of a team to make the organization more useful, dependable, and valuable to its members," said Sasaki. Sasaki said farmers and ranchers are facing many issues and Farm Bureau is ready to help.

"Survival, growth and freedom are what everyone strives for. It's not always easy to attain any of them when our political, socioeconomic, and technological realities are rapidly changing," said Sasaki. "We have to be vigilant and face the changes. One problem is that most agricultural activities take time - often years - to change, as in the case of replanting an orchard. The need to act fast is further hampered by increasingly onerous regulations. We not only have to think constantly what to do next but also how to achieve it in time."

Sasaki said the challenge for the farming industry is that Sonoma County is located at the northern end of the San Francisco Bay Area, a huge urban region with millions of residents.

"Here, the social values and politics are decidedly urban. Sonoma County so far has managed to preserve its rural values and characters - at least in the unincorporated areas - thanks largely to the leadership of the County Board of Supervisors," said Sasaki. But, he said urban pressure is growing.

"Unless we find a way of peaceful co-existence in every front, mostly in the environmental regulations and projects, we may be forced to surrender," said Sasaki. "This is an area where Farm Bureau can act effectively representing our present and future members as long as we get their hearty support."

Sasaki was born in Tokyo Japan, the son of a lawyer. Following six years of high school at a seminary run by German Jesuits, he studied mechanical engineering at a national university in Japan. He then earned a degree in industrial design at the Royal College of Art in London followed by an advanced degree in Ekistics from the Athens Technological Institute in Greece. He did post graduate studies at the Institute of Traffic and Transportation Engineering at U.C. Berkeley and oceanography at the Scripps Institute at UC San Diego.

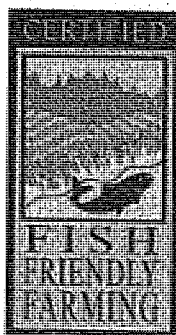
Sasaki worked as a designer for the London County Council Architects Department as a senior researcher in economics and engineering at the Institut Battelle in Geneva, Switzerland, a planner for the City of San Diego, project engineer for the Marin County Transit District, chief of planning and research for the Golden Gate Bridge, Highway and Transportation District and president of Visio International Inc., a San Francisco company that does construction management of bridges and buildings in the Midwest and Middle East.

Tito and Janet Sasaki have one daughter, Heather Letzing of San Diego and two granddaughters, Erica and Amanda.



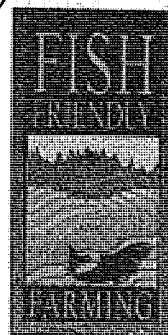
Tito and Janet Sasaki at their ranch near Schellville in the Sonoma Valley (Photograph by Steven Knudsen of the Farm Bureau staff)

BOD
misc



**ENROLLMENT NOW OPEN for the
2013 FISH FRIENDLY FARMING
ENVIRONMENTAL
CERTIFICATION PROGRAM
for Sonoma and
Mendocino Counties**

**Contact the California Land Stewardship Institute at
(707) 253-1226, ext 2, or e-mail
jono@fishfriendlyfarming.org**



The Fish Friendly Farming program is enrolling new sites for agricultural properties in Sonoma and Mendocino Counties. Parcels from the ridgetop to the river are eligible; you don't need to have a creek on your site. Over 55,000 acres are already enrolled in Sonoma and Mendocino Counties. The FFF program is currently being considered for approval as a compliance program under the forthcoming Agricultural Waiver. The FFF program provides a third-party objective certification. The California Land Stewardship Institute (CLSI), a nonprofit organization, directs the program. CLSI assists landowners to implement projects by applying for grants and permits. Workshops will be held in January and February, and then CLSI staff will work with you to conduct a site assessment and complete your farm plan. CLSI is a private organization and your farm plan remains private. Please contact us for more information about Agricultural Waiver compliance and Fish Friendly Farming certification.

For Mendocino growers, the workshop series will take place at the Mendocino County Farm Bureau office (303C Talmage Rd, Ukiah) on Thursday, January 24 and Wednesday, February 6 from 1:00-4:00pm

For Sonoma growers, the workshop series will take place at the Sonoma Winegrape Commission office (3637 Westwind Blvd, Santa Rosa) on Thursday, February 7 from 1:00-4:00pm, and Wednesday, February 20 from 1:30-4:30pm

Supes toss vacancy appointment back to Las Gallinas Valley sewer board

Posted:

marinij.com

Marin Independent Journal

It's up to the Las Gallinas Valley Sanitary District to attempt to fill its vacant seat again, after the Marin County Board of Supervisors declined to do it for them Tuesday.

Earlier this month, sanitary district directors, split 2-2 over who to appointment to fill the vacancy, asked the supervisors to name someone to the post, left vacant by the resignation of longtime director Larry Loder.

District director Megan Clark said the Las Gallinas board tried, but was unable to reach an agreement.

"There were nine applicants and we worked to get that down to five and then from that we voted again and there were two top contenders," Clark said.

The term for the open seat ends in November.

Supervisor Susan Adams said the board opted Tuesday to stay out of the district's appointment process.

"I don't believe the Board of Supervisors is the best body to make the decision," Adams said. "Let the voters decide," she added, despite the cost. "I suggest they try one more time to make a decision."

Adams noted the service of Loder, former county assistant public works chief, will be "greatly missed."

If the sanitary board is unable to make a decision, a mail-in ballot allowing voters to decide would cost approximately \$80,000 to \$100,000, according to Registrar of Voters Elaine Ginnold. An election involving polling places would cost about \$140,000.

Clark said she respects the supervisors' decision and hopes the sanitary district can come to an agreement.

"We hope to save the (public) election costs," Clark said.

Contact Megan Hansen via email at mhansen@marinij.com or via Twitter at <http://twitter.com/hansenmegan>

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BOD MISC

NID Board Selects a New General Manager

January 9, 2013



Remleh Scherzinger,
NID General Manager

January 9, 2013

Contact: Tim Crough
(530) 273-6185
Or: Dave Carter
(530) 265-NEWS

FOR IMMEDIATE RELEASE:

NID Board Selects a New General Manager

(Photo Attached)

GRASS VALLEY – The Nevada Irrigation District Board of Directors on Wednesday (Jan. 9) announced the hiring of Remleh “Rem” Scherzinger as NID’s new general manager. He will join the district Feb. 4.

Scherzinger, a Healdsburg resident, attended Wednesday’s board meeting and said he was pleased and honored with his selection. “From everything I’ve learned, NID is a great organization,” he said. “I’m eager to get started and become part of the team.”

NID directors selected the new chief executive following an extensive search conducted by a Sacramento recruitment firm. He succeeds former longtime general manager Ron Nelson, who retired last year.

Scherzinger comes to the district from the City of Petaluma, where he serves as utilities engineering manager, supervising five managers and a staff of 64 working in water treatment, engineering, conservation and environmental activities. His department is responsible for the city’s water, wastewater, stormwater and recycled water operations.

Prior to joining the City of Petaluma in 2008, Scherzinger spent eight years as an engineer with the Sonoma County Water Agency and two years with the Metropolitan Water District of Southern California.

He holds a Masters of Business Administration (MBA) from Sonoma State University and Bachelors of Science degree in civil engineering from Cal-Poly Pomona. He is a licensed civil engineer who also holds state certifications in water treatment and water distribution. He is a veteran of the U.S. Navy.

“We had applicants from throughout the state and Rem was the unanimous choice of the board,” said NID Board President Jim Bachman. “We were all very much impressed with his experience and ambition. He’s very enthusiastic, he really wanted the job, and he’s looking forward to the challenge.”

As NID’s general manager, Scherzinger will oversee a staff of 170 involved in water supply, hydroelectric power production and public recreation, with a combined annual budget of \$53 million.

Scherzinger, his wife, Suzanne; and daughters Sarah, 12, and Elsa, 9, are in the process of moving to Nevada County.

NID directors are planning to host an open house to introduce the new manager to members of the community. It is expected to be held in February.

-30-

Filed under:
Press Releases by NID Administrator

BOD MISC

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Landman elected unanimously as Cotati's mayor

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Cotati City Councilman Mark Landman, who became involved in the city's politics when he helped lead a bitter and successful 2009 campaign to recall Councilman George Barich, was selected to be its mayor Wednesday.

The unanimous council vote came after Vice Mayor Pat Gilardi, who was expected to be nominated to be the next mayor, said she would have to decline any such nomination.

She then put forward Landman's name. In his first comments from the dais as mayor, he said, "Life is full of surprises, especially in Cotati."

Gilardi, a councilwoman since 2000 and twice the city's mayor, did not explain her action. But new 1st District Supervisor Susan Gorin said last week she has asked Gilardi to be her district director, a full-time position.

Gilardi has since declined to comment about the job and whether she will take it. At the cupcake reception following Wednesday's vote, she declined again. And asked whether she expected to serve out the remaining two years of her term, Gilardi also would not comment.

Landman presented outgoing Mayor Susan Harvey with a plaque recognizing her service and made only brief remarks from the dais, thanking his wife and the community for their support.

Spectators greeted with applause the vote to approve him for the council's top spot. Those clapping included Barich, a regular and outspoken critic of the council, with whom Landman has often clashed.

Exchanges of power and position in Cotati tend to be civil but often are followed by controversy and conflict, whether over personalities or issues. With a plan now being developed to remake downtown Cotati, that prospect may again be on the horizon.

A retired Novato fire captain, Landman was appointed to the council in 2009 to replace Mayor John Guardino, who resigned. He ran to keep his seat in 2010 and is next up for election in 2014.

Councilman John Dell'Osso was nominated by Landman to be the new vice mayor and was unanimously selected.

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