



NORTH MARIN WATER DISTRICT

NORTH MARIN WATER DISTRICT AGENDA - REGULAR MEETING February 17, 2015 – 7:00 p.m. District Headquarters 999 Rush Creek Place Novato, California

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Est. Time	Item	Subject
7:00 p.m.		CALL TO ORDER
	1.	APPROVE MINUTES FROM REGULAR MEETING , February 3, 2015
	2.	GENERAL MANAGER'S REPORT
	3.	OPEN TIME: (Please observe a three-minute time limit) This section of the agenda is provided so that the public may express comments on any issues not listed on the agenda that are of interest to the public and within the jurisdiction of the North Marin Water District. When comments are made about matters not on the agenda, Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or direct staff to place a matter of business on a future agenda. The public may also express comments on agenda items at the time of Board consideration.
	4.	STAFF/DIRECTORS REPORTS
	5.	MONTHLY PROGRESS REPORT
		ACTION CALENDAR
	6.	Approve: Employer Assisted Housing Program Loan
	7.	Approve: Change Order No. 8 - Environmental Science Associates (ESA) for Environmental Support Services Contract (Recycled Water Central Service Area)
7:30 p.m.		INFORMATION ITEMS
	8.	2 nd Quarter FY14/15 - Water Quality Report
	9.	2015 Urban Area Water Cost Comparison
	10.	MISCELLANEOUS Disbursements January 2015 Furniture/Equipment Auction Salinity Notice (2/3) <u>News Articles:</u> Amid California's drought, water chief preaches conservation – and balance Longtime lawmaker Don Clausen dies at 91 Bill To Improve Lake Mendocino Operations Introduced Again Feds OK Extra Storage at Rising Lake Mendocino
	11.	Closed Session: In accordance with California Government Code Section 54957 for Public Employee Performance Evaluation (One), Title: General Manager
8:00 p.m.	12.	ADJOURNMENT

All times are approximate and for reference only.

The Board of Directors may consider an item at a different time than set forth herein.

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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
February 3, 2015

CALL TO ORDER

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

District employees Ryan Grisso (Water Conservation Coordinator), Robert Clark (Operations/Maintenance Superintendent) and Tony Arendell (Construction/Maintenance Superintendent) were in the audience.

MINUTES

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

GENERAL MANAGER'S REPORT

Fluoridation Advisory Committee

Mr. DeGabriele advised the Board that he attended two Fluoridation Advisory Committee meetings in December and January. He stated that the Sonoma County Health Department asked that an Ad Hoc committee be developed to create a recommendation for the Fluoridation Advisory Committee to present to the Board of Supervisors. He noted that he volunteered to be on the Ad Hoc committee to help develop further analysis on fluoridation of the water.

15 Gustafson Court

Mr. DeGabriele advised the Board that District Employee Peter Castellucci is interested in purchasing 15 Gustafson Court from the District. He stated that Mr. Castellucci is already a participant in the District's Employer Assisted Housing Program and owns a 1-bedroom condo in Novato. He noted that the market has improved and Mr. Castellucci is ready to sell his condo and buy the Gustafson Court property. Mr. DeGabriele informed the Board he would bring back more information at the next meeting.

1 Junior Accessory Dwelling Units

2 Mr. DeGabriele pointed out to the Board a letter in the miscellaneous section of the agenda
3 packet from the Mayor of Novato regarding Junior Accessory Dwelling Units. He stated that District
4 staff has not yet researched this information in detail but will do so and return to the Board with more
5 information.

6 S. Laurence (Larry) Glazier Obituary

7 Mr. DeGabriele informed the Board that S. Laurence (Larry) Glazier passed away and
8 provided the Board with his obituary. He stated that Mr. Glazier was on the Board for Homestead
9 Valley Sanitary District and played an instrumental role in the Marin County Special Districts
10 Association in the late 1990's.

11 **OPEN TIME**

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

14 **STAFF / DIRECTORS' REPORTS**

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

17 Robert Clark advised the Board that the Stafford Treatment Plant started production this
18 week. Mr. McIntyre informed the Board that he will be on vacation for the next Board meeting on
19 February 17th. Katie Young provided the Board with new payment submittal forms for committee
20 meetings the Directors attend.

21 **CONSENT CALENDAR**

22 On the motion of Director Petterle, seconded by Director Schoonover and unanimously
23 carried, the following items were approved on the consent calendar:

24 **LAFCO SPECIAL DISTRICT MEMBER CALL FOR NOMINATIONS**

25 Marin LAFCO is calling for nomination for a Special District Member. The Board nominated
26 Director Jack Baker for the position. If elected Director Baker would serve a four-year term ending in
27 May 2019.

28 **PROPOSED FY15/16 BUDGET REVIEW SCHEDULE**

29 The Board approved the Proposed FY15/16 Budget Review Schedule as presented.

30 **PROPOSED FY15/16 RATE HEARING SCHEDULE**

31 The Board approved the Proposed FY15/16 Rate Hearing Schedule as presented.

1 **ACTION CALENDAR**

2 **ADOPTION OF ORDINANCE NO. 31**

3 Ryan Grisso, Water Conservation Coordinator, reminded the Board of Ordinance 29,
4 adopted at the public hearing held on April 1, 2014 declaring a water shortage in West Marin due to
5 dry year conditions on Lagunitas Creek pursuant to Water Right Order 95-17. He stated that outdoor
6 restrictions are still in effect but the mandatory 25% water reduction is no longer needed because as
7 of January 16th, Lagunitas Creek has reached "normal" year rainfall. Mr. Grisso advised the Board
8 with the adoption of Ordinance 31, Ordinance 29 would be rescinded.

9 Director Rodoni stated that in rescinding Ordinance 29, it will be more beneficial to
10 customers in the West Marin area to get new service connections.

11 On motion of Director Rodoni, seconded by Director Fraites and unanimously carried, the
12 Board adopted Ordinance No. 31 entitled: "An Ordinance of North Marin Water District Declaring
13 End of the Water Shortage Emergency Condition in the District and Rescinding Ordinance No. 29."

14 **STAFFORD LAKE WATER QUALITY EVALUATION CONSULTANT SERVICES**

15 Mr. Clark advised the Board that staff is requesting a new consultant, SRT Consultants, for
16 the Stafford Lake Water Quality Evaluation Project. He reminded the Board that the previously
17 approved consultant, Mike McGuire was unable to finish the project due to a family emergency. Mr.
18 Clark informed the Board that SRT Consultants submitted a proposal when the District first obtained
19 bids. He stated that they are qualified to complete the work and have received the background
20 information. He advised the Board that SRT Consultants will finish the evaluation by the end of the
21 fiscal year. Mr. Clark informed the Board that the SRT price was higher than the original McGuire
22 price but was still within the \$50K budget.

23 Director Fraites asked why staff is unable to perform the water quality evaluation.

24 Mr. Clark stated that staff does a lot of work in-house with respect to the water quality and
25 the watershed but are looking for more expertise on controlling the taste and odor issues that have
26 occurred.

27 Mr. DeGabriele advised the Board that staff has done a great job with the water quality and
28 has a good understanding of the water at Stafford Treatment Plant but wants to leave no stone
29 unturned and develop a strategy to control the taste and odor issues so that the treatment plant
30 does not have to be shut-down when a problem occurs.

1 On motion of Director Petterle, seconded by Director Schoonover and unanimously carried,
2 the Board authorized the General Manager to execute a consulting contract with SRT Consultants,
3 for an amount not to exceed \$45,000.

4 **INFORMATION ITEMS**

5 **SERVICE CHARGE ANALYSIS**

6 Mr. Bentley provided the Board with a service charge analysis consisting of a detailed
7 breakdown of costs compiling the service charge. He stated that the bi-monthly service charge is
8 \$30 and the cost components are: Capital Replacement Cost (41%), Debt Service (36%), Billing &
9 Accounting (17%), and Meter Reading/Maintenance (6%)

10 Director Schoonover asked if the service charge analysis has been provided to the rate
11 payers.

12 Mr. DeGabriele stated that staff can put the service charge analysis on the District's website
13 to give customers an opportunity to understand the charged components.

14 **WATER CONSERVATION MID-YEAR UPDATE (JULY – DECEMBER 2014)**

15 Mr. Grisso provided the Board with the Water Conservation Mid-Year Update. He stated that
16 all of the water conservation programs are doing well and that there have been 181 Water Smart
17 Home Surveys completed, and Cash For Grass has had one of the biggest years ever, completing
18 75 projects. He stated that new development is occurring and commercial improvements are
19 happening as well.

20 Mr. Grisso advised the Board that a fall *WaterLine* was sent to West Marin customers and a
21 bill insert will be sent out mid-February to all Novato customers reminding them of all the landscape
22 programs available. He stated that there will be a glass bottle give-away with a coupon and that
23 there was a Drought Drive-Up in West Marin that was successful, giving away about 15 toilets. Mr.
24 Grisso informed the Board that he and Katie Young have done a lot of public outreach through
25 FaceBook and it has been a big success.

26 Mr. Grisso advised the Board that expenditures are up and that he has some different
27 suggestions of options to use the water conservation budget. He stated that some of the options are
28 to have another toilet giveaway, increasing rebates for Cash for Grass and Lawn Be Gone program
29 when using certain landscaping, such as native plants, and internally fund some recycled water sites
30 for irrigation system retrofitting. He advised the Board he would come back at a later meeting with
31 final recommendations.

32 Director Petterle requested a cost/benefit analysis of the recommended programs.

1 Director Fraites stated that he was pleased to hear that the District emphasizing native
2 plants with the Cash For Grass Program. Mr. Grisso stated that providing an increase in the rebate
3 for planting native plants might be an option.

4 Director Rodoni stated that he liked the idea of combining the Cash For Grass and Lawn Be
5 Gone program to increase the amount of the rebate.

6 **MID-YEAR PROGRESS REPORT – ENGINEERING DEPARTMENT**

7 Mr. McIntyre provided the Board with the Mid-Year Progress Report for the Engineering
8 Department. He advised the Board that there were 14 carryover projects, three being the SMART
9 casing extensions that the District completed. He noted that even though there were a high number
10 of carryover projects the sum only equaled 1.5% of the budget. Mr. McIntyre stated that a major
11 controlling aspect of the Capital Improvement Project is the Aqueduct Energy Efficiency Project,
12 which is 75% of the budget. He advised the Board that Ken Sinclair will be returning to the Board in
13 March for another update on the aqueduct project. He stated that staff has requested proposals for
14 the 12" cast-iron pipe bursting project on South Novato Blvd.

15 President Baker asked where the exact location of the South Novato Blvd. project was and if
16 it was going to be done in the middle of the road or to the side. Mr. McIntyre responded that the
17 project limits are from Sunset Parkway up to Rowland, approximately 1,000 FT and that it will be on
18 the west side of the center line. He informed the Board that although the request for proposal went
19 out, the project will not start until after school is out for the summer. He noted that it will help with
20 traffic impact and be more efficient for the project.

21 Mr. McIntyre informed the Board that staff is working on the permitting for the San Mateo
22 Tank pipeline on Mt. Burdell. He stated that there was a kick-off meeting with Marin County Parks
23 and the District will be moving forward with an Environmental Review and Geotech investigation. He
24 noted that the District will use the Miller Pacific Engineering general service agreement for the
25 Geotech work and will be bringing back to the Board a consultant agreement for the Environmental
26 Study in about 6-8 weeks.

27 Mr. McIntyre stated that the Atherton Tank Recoat project is anticipated to be completed by
28 the end of the fiscal year and the contractors have completed the blasting inside and will be coating
29 the tank next week.

30 Mr. McIntyre advised the Board that in West Marin the Gallagher Pipeline Project was
31 completed and the District is waiting on final grant funds. He noted that miscellaneous work is being
32 performed while getting the new system up and running and will be paid from the West Marin
33 budget.

1 Mr. McIntyre informed the Board that staff chose Michael Baker to complete the Stafford
2 Dam Emergency Action plan and that three proposals were received for the Oceana Marin Master
3 Plan Update.

4 Mr. McIntyre advised the Board that for the last couple of years, there were not a lot of
5 engineering labor hours expended on developer projects but he believes there is an uptick in Novato
6 development. He stated that he is expecting to see water service agreements come to the Board in
7 the next 6-12 months.

8 **MID-YEAR OPERATIONS/MAINTENANCE 2014/15 UPDATE**

9 Mr. Clark provided the Board with the Mid-Year Operations/Maintenance update. He stated
10 that there were thirteen safety incidents, six of which were recordable incidents and some near
11 misses. He advised the Board that supervisors and employees have gone through a thorough
12 review and are making corrective actions so the incidents do not occur again.

13 Mr. Clark advised the Board that Dianne Landeros and he are using a new training program
14 that is able to track training hours and keep employees on track to maintain certification.

15 Mr. Clark informed the Board that Stafford Treatment Plant did not have a lot of water to
16 treat between July and December 2015 with only 178MG of production for the first half of the fiscal
17 year. He stated that with the rainfall in December the lake rose from 177' to the 196' on December
18 16th. Mr. Clark advised the Board that staff has installed 13 more of the tank level and intrusion
19 sensors and modified the PLC's at School Road and Winged Foot Pump Stations.

20 President Baker asked if Novato Sanitary District had improved their operations to produce
21 recycled water. Mr. Clark stated that NSD has improved their water quality issues and the District is
22 using a lot less potable make up water than in the past.

23 Mr. Clark advised the Board that in Oceana Marin there has been minor maintenance
24 completed to door hinges and new locks on the facilities, minor roof repairs and other miscellaneous
25 work done that was neglected when the operations and maintenance was the responsibility of a
26 private contractor. Mr. Clark informed the Board that Estero Mutual no longer wants to share power
27 and the District is in the process of getting power with PG&E services.

28 **STAFFORD TREATMENT PLANT TRANSMISSION LINE EVALUATION – RESULTS FOR**
29 **CONDITION ASSESSMENT OF 18" AND 24" CONCRETE CYLINDER PIPELINE BY PURE**
30 **TECHNOLOGIES**

31 Mr. McIntyre provided the Board with the summary of the Stafford Treatment Plant
32 Transmission Line Evaluation and gave the results of the assessment on the condition of the 18"
33 and 24" concrete cylinder pipeline. He advised the Board that staff is happy with the overall condition

1 of the pipe. The consultant report stated that there were no leaks and the video on the inside
2 showed that the lining was thinning in one area. Mr. McIntyre provided a sample of what pipeline
3 looks like.

4 Director Petterle asked if there was any asbestos found in the pipe. Mr. McIntyre stated that
5 there was no asbestos found in the all cement pipeline and advised the Board that the lining and
6 coating are all cement based.

7 Mr. McIntyre advised the Board that staff did go over on the budget with labor costs.

8 President Baker asked if staff learned anything from the evaluation. Mr. McIntyre stated that
9 there were no big revelations but staff is now more comfortable knowing the pipeline could last
10 another 20 years and continue to provide good service.

11 **RUSSIAN RIVER BIOLOGICAL OPINION PPFC MEETING – JANUARY 28, 2015**

12 Mr. DeGabriele provided the Board with a brief summary of the Russian River Biological
13 Opinion Public Policy Facilitating Committee (PPFC) Meeting held on January 28th that he and
14 Director Rodoni attended. He stated that Sonoma County Water Agency reported that the first
15 milestone has been met, completion Mile 1 of the Dry Creek Habitat Enhancement Project and that
16 Miles 2 and 3 are underway with property negotiations ongoing. He noted that 70% of landowners
17 approached were agreeable to participate. He stated that the US Army Corps of Engineers reported
18 on legislative and public outreach updates commenting on the Continuing Authorities Program and a
19 new General Investigation Program to establish Federal Cost Share and Sonoma County Water
20 Agency is hopeful the Corps of Engineers share will be 65%.

21 Mr. DeGabriele provided the Board an update on the Russian River Diversion System and
22 stated that the project under construction came through the December flooding with no permanent
23 damage and there was time lapse and aerial photography of the project.

24 Mr. DeGabriele advised the Board that the Department of Fish and Wildlife is providing grant
25 funding for the Coastal Monitoring Program on the tributaries to Dry Creek and the Russian River.
26 He informed the Board that National Marine Fisheries Service provided an overview of the Russian
27 River Habitat Focus Area Blue Print and stated that it was good news and believes they are taking
28 responsibility and making an effort to make sure the project is successful.

29 Director Rodoni advised the Board that they may visit the Sonoma County Water Agency
30 website to see the virtual tours of the Russian River Diversion System.

1 **WAC/TAC MEETING – FEBRUARY 2, 2015**

2 Mr. DeGabriele provided the Board with a brief summary of the February 2nd Water Advisory
3 and Technical Advisory Committee Meeting. He state that as of February 1st Lake Mendocino was at
4 60,000AF and Lake Sonoma was at 190,000AF. He distributed the regional water comparison chart
5 and stated that all water contractors including Marin Municipal are down 16% in water production
6 from February through December 2014. He stated that he believes the State Board will continue or
7 enhance their water conservation requirements and that Sonoma County Water Agency might
8 request a continuance of the Temporary Urgency Change Order, allowing lower flows in the Russian
9 River. Mr. DeGabriele advised the Board that at the February 17th State Board meeting, there will
10 probably be talk of additional water conservation requirements.

11 Director Rodoni informed the Board that Marin Municipal Water District Director Jack Gibson
12 has been attending the WAC meetings more frequently and that the new Director Larry Bragman
13 from MMWD attended the meeting as well.

14 **NBWA MEETING – FEBRUARY 6, 2015**

15 President Baker stated that he will be attending the North Bay Watershed Association
16 Meeting on February 6, 2015.

17 **MISCELLANEOUS**

18 The Board received the following miscellaneous information: Disbursements, Quarterly
19 Labor Cost Report, Outside Auditor Personnel Change, Home for Sale – 15 Gustafson Court, Dry
20 Creek WAC/TAC Tours, Salinity Notice (1/13), Complete Notification of Lake or Streambed
21 Alteration, Notice of Surface Water Shortage and Potential for Curtailment of Water Right Diversions
22 for 2015, Ltr. From Novato City Mayor re: Junior Accessory Dwelling Units, CA-NV AWWA
23 Recognizes 2014 Contributions to AWWA and the Water Industry and Rep. Huffman to Serve as
24 Ranking Member on Water, Power and Oceans Subcommittee.

25 The Board received the following news articles: Marin Voice: Second units could be Marin's
26 housing answer, 1975 Olema water bond fully repaid, S. Laurence (Larry) Glazier Obituary, Marin
27 heads toward near-record dry January and Be Here Then.

28 The Board also received the following miscellaneous items at the meeting: Regional Water
29 Production Comparison Chart and WAC/TAC Meeting – February 2, 2015 Summary. The Board
30 also received the following news articles: Russian River basin prepares for fourth year of drought,
31 Salinity Notices (1/20, 1/27), and Board cannot be blamed.

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Submitted by

Katie Young
District Secretary

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NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR January 2015
February 17, 2015

1.

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

Month	FY14/15	FY13/14	FY12/13	FY11/12	FY10/11	15 vs 14 %
July	319	385	389	371	379	-17%
August	301	360	396	373	368	-16%
September	276	332	346	347	358	-17%
October	221	313	283	249	278	-29%
November	173	229	166	183	164	-24%
December	129	182	146	156	141	-29%
January	138	168	151	178	146	-18%
FYTD Total	1,556	1,968	1,878	1,857	1,835	-21%

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

Month	FY14/15	FY13/14	FY12/13	FY11/12	FY10/11	15 vs 14 %
July	8.6	9.3	9.8	9.2	9.9	-7%
August	8.5	9.3	9.7	9.4	9.9	-8%
September	7.8	8.5	8.3	8.7	9.2	-9%
October	5.4	8.0	7.4	6.5	7.8	-33%
November	4.6	6.8	5.2	5.1	4.9	-33%
December	4.7	6.4	4.5	4.9	4.8	-26%
January	4.4	5.9	5.0	4.8	4.3	-24%
FYTD Total	44.0	54.1	49.9	48.7	50.9	-19%

* The Aug/Sept 2014 billing was down 24% from 2013. The variance with production is presumably due to NMWD distribution system leaks.

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

Month	FY14/15	FY13/14	FY12/13	FY11/12	FY10/11	15 vs 14 %
July	83	98	49	115	109	-15%
August	61	83	83	126	108	-26%
September	26	56	72	77	112	-53%
October	0	82	88	113	111	-
November	8	5	64	106	95	64%
December	0	2	0	49	0	-
January	0	0	21	0	0	-
FYTD Total	178	326	375	586	536	-45%

Recycled Water Production - in Million Gallons - FY to Date

Month	FY14/15	FY13/14	FY12/13	FY11/12	FY10/11	15 vs 14 %
July	21.8	27.6	11.2	11.0	11.9	-21%
August	26.0	26.2	10.5	12.2	11.2	-1%
September	19.2	18.6	8.5	9.6	9.5	3%
October	9.4	15.8	0.0	0.0	2.6	-41%
November	4.0	6.4	0.0	0.0	0.0	-37%
December	1.6	1.6	0.0	0.0	0.0	0%
January	0.8	1.2	0.0	0.0	0.0	-35%
FYTD Total*	82.7	97.3	30.2	32.8	35.2	-15%

*Excludes potable water input into the RW system: FY15=6.9MG; FY14=7.2MG.

t:\ac\excel\wtr use\production.xlsx\mno rpt

2. Stafford Lake Data

	January Average	January 2014	January 2015
Rainfall this month	5.68 Inches	0.03 Inches	0.02 Inches
Rainfall this FY to date	15.55 Inches	2.35 Inches	20.89 Inches
Lake elevation*	188.0 Feet	179.2 Feet	196.1 Feet
Lake storage**	2,644 MG	1,336 MG	4,298 MG

* Spillway elevation is 196.0 feet

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

Temperature (in degrees)

	Minimum	Maximum	Average
January 2014 (Novato)	26	83	56
January 2015 (Novato)	28	90	54

3. Number of Services

January 31	Novato Water			Recycled Water			West Marin Water			Oceana Marin Swr		
	FY15	FY14	Incr %	FY15	FY14	Incr %	FY15	FY14	Incr %	FY15	FY14	Incr %
Total meters	20,749	20,733	0.1%	48	47	2%	821	820	0.1%	-	-	-
Total meters active	20,495	20,486	0.0%	44	44	0%	777	776	0.1%	-	-	-
Active dwelling units	23,945	23,931	0.1%	0	0	-	823	813	1.2%	229	229	0.0%

4. Oceana Marin Monthly Status Report (January)

Description	January 2014	January 2015
Effluent Flow Volume (MG)	0.382	0.930
Irrigation Field Discharge (MG)	0	0.992
Treatment Pond Freeboard (ft)	3.3	2.6
Storage Pond Freeboard (ft)	7.3	5.8

5. Developer Projects Status Report (January)

Job No.	Project	% Complete	% This month
2.2773.00	Koch Single Family	90	90
1.2777.00	Walnut Meadows	85	5
1.2776.00	Shell Gas Station	85	75

District Projects Status Report - Const Dept (January)

Job No.	Project	% Complete	% This month
7007.09	DCA Repair/Replacement	60	20
7130.00	STP 18" Transmission Line Evaluation	98	8
1.6600.54	Stafford Start Up Flushing	90	90

Employee Hours to Date, FY 14/15

As of Pay Period Ending January 31, 2015

Percent of Fiscal Year Passed = 58 %

Developer Projects	Actual	Budget	% YTD Budget	District Projects	Actual	Budget	% YTD Budget
Construction	730	1,400	52	Construction	2,290	4,979	46
Engineering	193	1,480	13	Engineering	2,883	3,546	81

6. Safety/Liability

FY through January 15

FY through January 14

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) (\$)
146	73,584	1	0	3	2,674
60	24,960	1	0	1	557

Days without a lost time accident through January 31, 2015= 246 days

7. Energy Cost

FYE	January			Fiscal Year-to-Date thru January		
	Kwh	¢/Kwh	Cost/Day	Kwh	¢/Kwh	Cost/Day
2015 Stafford TP	42,812	18.1¢	\$250	379,976	15.8¢	\$280
Pumping	73,277	15.6¢	\$346	825,908	16.6¢	\$636
Other*	39,741	17.6¢	\$212	282,623	21.5¢	\$283
	155,830	16.8¢	\$793	1,488,507	17.3¢	\$1,199
2014 Stafford TP	45,644	17.1¢	\$252	412,135	17.1¢	\$327
Pumping	95,178	14.4¢	\$443	1,039,636	15.6¢	\$760
Other*	39,391	16.7¢	\$212	318,349	20.1¢	\$300
	180,213	15.6¢	\$906	1,770,120	16.7¢	\$1,384
2013 Stafford TP	47,635	17.1¢	\$263	333,003	15.5¢	\$236
Pumping	n/a	n/a	n/a	n/a	n/a	n/a
Other*	29,790	18.8¢	\$187	240,511	21.6¢	\$271
	n/a	n/a	n/a	n/a	n/a	n/a

*Other includes West Marin Facilities

8. Water Conservation Update

	Month of January 2015	Fiscal Year to Date	Program Total to Date
High Efficiency Toilet (HET) Rebate (\$100 each)	13	176	3,119
Retrofit Certificates Filed	37	154	5,183
Cash for Grass Rebates Paid Out	3	78	639
Washing Machine Rebates	12	96	6,540
Water Smart Home Survey	23	204	1,960

9. Utility Performance Metric

<u>SERVICE DISRUPTIONS</u>	January 2015 No. of Customers Impacted	January 2014 No. of Customers Impacted
PLANNED		
Duration Between 0.5 and 4 hours	19	5
Duration Between 4 and 12 hours	2	
Duration Greater than 12 hours		
UNPLANNED		
Duration Between 0.5 and 4 hours	14	
Duration Between 4 and 12 hours	1	
Duration Greater than 12 hours		

<u>SERVICE LINES REPLACED</u>	January 2015	January 2014
Polybutylene	16	4
Copper (Replaced or Repaired)	5	1

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders January 2015

2/9/2015

Type	Jan-15	Jan-14	Action Taken January 2015
<u>Consumers' System Problems</u>			
Service Line Leaks	0	0	~
Meter Leak Consumer's Side	8	16	Notified Consumer
House Plumbing	0	0	~
Noisy Plumbing	0	0	~
Seepage or Other	0	0	~
House Valve / Meter Off	7	7	Notified Consumer
Nothing Found	5	14	Notified Consumer
Low Pressure	0	1	~
High Pressure	0	1	~
Water Waster Complaints	0	0	~
Total	20	39	
<u>Service Repair Reports</u>			
Register Replacements	0	0	~
Meter Replacement	2	0	Replaced
Meter Box Alignment	0	0	~
Meter Noise	0	0	~
Dual Service Noise	0	0	~
Box and Lids	2	1	Replaced
Water Off/On Due To Repairs	6	4	Notified Consumer
Misc. Field Investigation	1	7	Notified Consumer
Total	11	12	
<u>Leak NMWD Facilities</u>			
Main-Leak	0	0	~
Mains-Nothing Found	0	0	~
Mains-Damage	0	0	~
Service- Leak	11	9	Repaired
Services-Nothing Found	2	6	Notified Consumer
Service-Damaged	0	0	~
Fire Hydrant-Leak	4	5	Repaired
Fire Hydrants-Nothing Found	0	0	~
Fire Hydrants-Damaged	2	1	Repaired
Meter Replacement	2	4	Replaced
Meters-Leak	0	0	~
Meters-Nothing Found	0	0	~
Meters Damaged	0	0	~
Washer Leaks	12	7	Replaced
Total	33	32	
<u>High Bill Complaints</u>			
Consumer Leaks	8	9	Notified Consumer
Meter Testing	0	0	~
Meter Misread	8	5	Notified Consumer
Nothing Found	10	21	Notified Consumer
Projected Consumption	0	0	~
Excessive Irrigation	0	0	~
Total	26	35	

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders January 2015

2/9/2015

Type	Jan-15	Jan-14	Action Taken January 2015
<u>Low Bill Reports</u>			
Meter Misread	0	0	~
Stuck Meter	0	0	~
Nothing Found	0	0	~
Projected Consumption	0	0	~
Minimum Charge Only	0	0	~
Total	0	0	

Water Quality Complaints

Taste and Odor	0	0	~
Color	0	0	~
Turbidity	0	0	~
Suspended Solids	0	0	~
Other	0	0	~

Total	0	0	
<u>TOTAL FOR MONTH:</u>	<u>90</u>	<u>118</u>	<u>-24%</u>

Fiscal YTD Summary

Consumer's System Problems	198	205	-3%	Decrease In Service Line Leaks
Service Repair Report	74	72	3%	Increase Water On/Off For Repairs
Leak Complaints	221	172	28%	Increase in District Service Line Leaks
High Bill Complaints	231	268	-14%	Decrease In Consumer Leaks
Low Bills	7	0	0%	~
Water Quality Complaints	22	46	-52%	Decrease In Taste & Odor
Total	<u>753</u>	<u>763</u>	<u>-1%</u>	

Change Primarily Due To

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders January 2015

2/9/2015

Type	Jan-15	Jan-14	Action Taken January 2015
<u>"In House" Generated and Completed Work Orders</u>			
<u>Check Meter:</u> possible consumer/District leak, high bill, flooded, need read, etc.	170	237	
<u>Change Meter:</u> leaks, hard to read	11	5	
<u>Possible Stuck Meter</u>	0	0	
<u>Repair Meter:</u> registers, shut offs	0	0	
<u>Replace Boxes/Lids</u>	3	0	
<u>Hydrant Leaks</u>	0	0	
<u>Trims</u>	16	21	
<u>Dig Outs</u>	47	60	
<u>Letters to Consumer:</u> meter obstruction, trims, bees, gate access, etc.	0	0	
<u>Misc:</u> locate meter, get meter number, cross connection follow ups, kill service, etc.	0	0	
	<u>247</u>	<u>323</u>	

Bill Adjustments Under Board Policy:

January 15 vs. January 14

Jan-15	16	\$16,673
Jan-14	40	\$11,539

Fiscal Year to Date vs. Prior FYTD

14/15 FYTD	154	\$73,074
13/14 FYTD	225	\$73,520

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MEMORANDUM

To: Board of Directors

February 13, 2015

From: David L. Bentley, Auditor-Controller

Subj: Auditor-Controller's Monthly Report of Investments for January 2015

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RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$13,069,746 and a market value of \$13,081,532. During January the cash balance decreased by \$156,716. The market value of securities held increased by \$9,053 during the month. The ratio of total cash to budgeted annual operating expense, excluding the \$2,562,340 unexpended balance of the Bank of Marin loan, stood at 76%, the same as the previous month. At month-end outstanding invoices to Caltrans totaled \$1,739,900.

At January 31, 2015, 26% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), 30% in Time Certificate of Deposits, 15% in Corporate Medium Term Notes, 15% in US Treasury Notes, and 8% in Federal Agency Securities. The weighted average maturity of the portfolio was 297 days, compared to 315 days at the end of December. The LAIF interest rate for the month was 0.26%, compared to 0.27% the previous month. The weighted average Portfolio rate was 0.52%, the same as the previous month. Including interest paid by The Bay Club Company on the StoneTree Golf Club Recycled Water Facilities Loan, the District earned \$8,728 in interest revenue during January, with 46% earned by Novato Water, 51% earned by Recycled Water (by virtue of the StoneTree Golf Course Loan) and the balance distributed to the other districts.

**NORTH MARIN WATER DISTRICT
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS
January 31, 2015**

Type	Description	S&P Rating	Purchase Date	Maturity Date	Cost Basis ¹	1/31/2015 Market Value	Yield ²	% of Portfolio
LAIF	State of CA Treasury	A	Various	Open	\$3,457,159	\$3,457,091	0.26% ³	26%
Time Certificate of Deposit								
TCD	GE Capital Retail Bank	n/a	10/11/13	4/13/15	\$248,000	\$248,000	0.80%	2%
TCD	Discover Bank	n/a	5/1/13	5/1/15	248,000	248,000	0.50%	2%
TCD	GE Capital Bank	n/a	6/10/13	6/8/15	248,000	248,000	0.50%	2%
TCD	American Express	n/a	8/1/13	8/3/15	248,000	248,000	0.70%	2%
TCD	Compass Bank	n/a	9/4/13	9/4/15	248,000	248,000	0.65%	2%
TCD	Sallie Mae Bank	n/a	10/23/13	10/23/15	248,000	248,000	0.80%	2%
TCD	BMW Bank	n/a	12/11/13	12/11/15	248,000	248,000	0.70%	2%
TCD	Key Bank	n/a	3/19/14	3/21/16	248,000	248,000	0.45%	2%
TCD	Barclays Bank	n/a	4/15/14	4/15/16	248,000	248,000	0.55%	2%
TCD	Americanwest Bank	n/a	5/30/14	5/31/16	249,000	249,000	0.50%	2%
TCD	Enerbank	n/a	6/30/14	6/30/16	249,000	249,000	0.65%	2%
TCD	Investors Bank	n/a	7/21/14	7/21/16	249,000	249,000	0.70%	2%
TCD	Comenity Capital Bank	n/a	8/18/14	8/18/16	249,000	249,000	0.80%	2%
TCD	Ally Bank	n/a	10/2/14	10/3/16	248,000	248,000	0.95%	2%
TCD	Cardinal Bank	n/a	11/12/14	11/14/16	249,000	249,000	0.80%	2%
TCD	Goldman Sachs	n/a	12/10/14	12/12/16	248,000	248,000	1.00%	2%
					\$3,973,000	\$3,973,000	0.62%	30%
US Treasury Notes								
Treas	1,000 - 0.50%	n/a	3/26/14	6/15/16	\$999,303	\$1,003,203	0.55%	8%
Treas	1,000 - 1.0%	n/a	8/4/14	9/30/16	1,005,933	1,010,312	0.64%	8%
					\$2,005,236	\$2,013,515	0.60%	15%
Federal Agency Securities								
FFCB	1.70% MTN	n/a	9/15/14	10/28/16	\$508,932	\$509,105	0.68%	4%
FHLB	0.58% MTN	n/a	11/7/14	11/14/16	499,420	500,436	0.64%	4%
					\$1,008,352	\$1,009,541	0.66%	8%
Corporate Medium Term Notes								
MTN	Toyota Motor Credit	AA-	5/14/13	7/17/15	\$1,001,705	\$1,001,707	0.51%	8%
MTN	General Electric	AA+	1/29/13	10/9/15	1,001,019	1,003,404	0.70%	8%
					\$2,002,724	\$2,005,111	0.60%	15%
Other								
Agency	Marin Co Treasury	AA+	Various	Open	\$577,334	\$577,334	0.22%	4%
Other	Various	n/a	Various	Open	45,940	45,940	0.40%	0%
TOTAL IN PORTFOLIO					\$13,069,746	\$13,081,532	0.52%	100%
Weighted Average Maturity =					297 Days			

LAIF: State of California Local Agency Investment Fund.

MTN: Medium Term Note - Maturity of 5 years or less.

TCD: Time Certificate of Deposit, Treas: US Treasury Notes with maturity of 5 years or less.

FFCB: Federal Farm Credit Bank, FHLB: Federal Home Loan Bank

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

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 January 31, 2015.

Interest Bearing Loans	Loan Date	Maturity Date	Original Loan Amount	Principal Outstanding	Interest Rate
StoneTree Golf Course Loan	6/30/06	2/28/24	\$3,612,640	\$2,037,437	2.40%
Employee Housing Loans (7)	Various	Various	1,249,200	1,249,200	Contingent
Employee Computer Loan (1)	1/8/2015	1/4/2016	893	855	1.52%
TOTAL INTEREST BEARING LOANS			\$4,862,733	\$3,287,492	


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

6

MEMORANDUM

To: Board of Directors

February 13, 2015

From: Chris DeGabriele, General Manager 

Subj: Approve - Employer Assisted Housing Program Loan

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RECOMMENDED ACTION: Approve Housing Loan**FINANCIAL IMPACT:** \$250,000 Loan from Liability Contingency Fund

In accordance with the District's Employer Assisted Housing Program, Pete Castellucci, a 32-year-old Pipeworker who has been with the District for 8 years, has requested a District loan of \$250,000 to purchase the District-owned home at 15 Gustafson Court in Novato. The home is 1,173 ft² with 3 bedrooms, 2 baths, a garage and fenced back-yard on 0.2 acres constructed in 1954. The agreed sales price is \$580,000¹. The District loan would equal 43% of the sales price. Pete will provide a \$30,000 down-payment and will assume a first mortgage of \$300,000. Under the Contingent Interest Agreement, the District will be entitled to 43%² of the appreciation accruing on the property upon sale or refinancing.

Pete currently resides in a 1-bedroom condominium on Cielo Lane in Novato acquired in 2007 with District assistance. He will sell the condo to recoup his investment and the \$140,000 District 2nd Deed of Trust. Pete wants to get married and start a family, and therefore needs to upsize from his 1-bedroom condo. Pete has received pre-approval from his mortgage lender for a \$300,000 loan "based upon your outstanding credit scores, verification of income and sufficient assets to meet down payment, closing costs and reserves...".

Recommendation:


Approve the loan, and authorize the General Manager to sign the note at such time as the loan is required to close the purchase transaction.

¹ The \$600,000 market value would require District payment of a 5% (\$30,000) realtor's commission. Since an employee will purchase the home, the District will avoid the commission and will pay actual cost to transfer the property, estimated at \$10,000, thus saving \$20,000, which savings is passed on to the employee by reducing the price by \$20,000.

² District investment divided by purchase price ($\$250,000 \div \$580,000$) = 43%,

7

MEMORANDUM

To: Board of Directors
 From: Drew McIntyre, Chief Engineer 
 Subject: Approve: Change Order No. 8 - Environmental Science Associates (ESA)
 For Environmental Services (Recycled Water Expansion - Central Service Area)
R:\Folders by Job No\7000 jobs\7127\ESA RW CEQA Work\Board Memos\7127 ESA Change Order No. 8 BOD MEMO 2-17-15.docx

February 13, 2015

RECOMMENDED ACTION: The Board authorize the General Manager to execute Change Order No. 8 to ESA to perform CEQA and permit-related tasks

FINANCIAL IMPACT: \$35,000 (includes ~\$5000 contingency) (no budget augmentation is anticipated to be required)

Background

In July 2010, the District entered 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 recycled water State Revolving Fund (SRF) loan application. Since that time five (5) change orders have been approved by the Board to ESA for expanded National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) environmental services related to recycled water expansion in Novato's North and South service areas. Change Orders 6 and 7 were subsequently approved by the Board for biological monitoring services related to the Aqueduct Energy Efficiency/Marin Sonoma Narrows B3 Project.

At the February 3, 2015 meeting, staff advised the Board that work was being accelerated on the \$11M Central Service Area recycled water expansion project in an effort to apply for 1% low interest rate SRF loans. These loans are available for a limited time and require construction to be complete by February 2017. In addition, having a "shovel ready" project in the near term will improve the District's ability to qualify for potential Prop 1 grant funds in the near term. As part of the project's acceleration, it is appropriate to initiate supplemental environmental review needed for both the US Bureau of Reclamation Title XVI grant and State Water Resources Control Board SRF loans. The below requested Change Order authorizes ESA to prepare the required Central Service Area federal and state environmental documents similar to the effort ESA performed for the North and South Service Area projects.

Change Order No. 8

ESA's scope of work including a tabulation of ESA's estimated expenditures for the environmental services for the Central Service Area recycled water expansion is provided in Attachment 1.

A tabulation of historical change orders as well as new Change Order No. 8 is provided in Table 1. The requested Change Order amount of \$29,978 plus a \$5,000 contingency is included in the mid-year CIP budget forecast brought to the Board at the February 3 2015

meeting. Note that an optional task (No. 3) is not requested for approval at this time. This optional task, estimated at \$30,000, would be brought back to the Board at a later date for approval should federal and/or state permit regulators require additional subsurface investigations related to buried cultural resources.

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	January 15, 2013	To perform post construction mitigation monitoring for Ph 1a and misc. support for PH 1b and on-site retrofit work.	\$36,600	\$185,500
6	January 7, 2014	Biological monitoring for AEEP/MSN B3 advance tree removal.	\$30,000	\$215,500
7	May 6, 2014	Expanded biological monitoring for AEEP/MSN B3 advance tree removal.	\$ 8,000	\$223,500
8	(NEW)	To perform CEQA and permit related tasks for the Central Service Area Recycled Water	\$29,978	\$253,478
TOTAL				\$253,478

RECOMMENDATION

The Board authorize the General Manager to execute Change Order No. 8 to ESA for environmental consulting services related to the Central Service Area recycled water expansion project in the amount of \$29,978 with a \$5,000 contingency.



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

www.esassoc.com

February 9, 2015

Drew McIntyre, P.E.
Chief Engineer
North Marin Water District
999 Rush Creek Place
Novato, CA 94945

Subject: Proposed Scope of Work for Environmental Services for the North Bay Water Recycling Program, Phase 1 – North Marin Water District Recycled Water Expansion Project, Central Service Area

Dear Drew:

Thank you for the opportunity to continue assisting the District with implementation of the North Bay Water Recycling Program (NBWRP) Phase 1 Project. ESA understands that the District is moving forward with the final portion of the Recycled Water Expansion Project in the Novato Central Service Area. We are pleased to submit the attached scope of work for environmental services to incorporate the proposed modified project into CEQA, CEQA Plus, and NEPA compliant documents to be eligible for federal U.S. EPA (SWRCB) State Revolving Funding (SRF) and U.S. Bureau of Reclamation (Reclamation) Title XVI funding. The following tasks are described in detail in the attached scope:

- Task 1 Cultural Resources Services
- Task 2 CEQA / CEQA Plus and NEPA Environmental Documentation

Our scope of work represents an order of magnitude estimate both for individual tasks and the overall scope of work. We look forward to discussing this proposal with you.

Sincerely,

A handwritten signature in cursive script that reads 'Katie Baker'.

Katie Baker
Project Manager, ESA Northern California Water and Energy Group



SCOPE OF WORK

Modified Central Service Area Project

The following scope of work has been developed to support NMWD in the completion of environmental documentation for the proposed modifications to the NBWRP Phase 1 Project, Central Service Area to implement a revised pipeline alignment from the Novato Wastewater Treatment Plant to serve recycled water to the Marin County Club Ignacio area.

Project Modifications

This scope of work is based on our understanding of the following project changes:

1. Exclude Phase 1 alignment northwest of Rowland Avenue (Redwood Boulevard, Arthur Street to Novato High School, and Hill Road including Arroyo Avichi stream crossing).
2. Re-route Phase 1 alignment that originally extended from Vintage Oaks along the railroad to the Novato Creek crossing to the in-road right-of-way along Rowland Way to the Novato Creek crossing.
3. Extend the Phase 1 alignment that originally terminated at South Novato Boulevard south along the Caltrans bike path to Entrada Drive to connect to an existing pipe in Ignacio Boulevard to serve the Marin Country Club.

Task 1: Cultural Resources Section 106 Update

Due to federal funding (both SRF and Title XVI), the Central Service Area Project must comply with Section 106 of the National Historic Preservation Act, as amended. Previous cultural resources documentation provided for the NBWRP include *North Bay Water Reuse Authority, North Bay Water Recycling Program, Marin, Sonoma, and Napa Counties, Cultural Resources Survey Report*, Prepared for the U.S. Department of the Interior, Bureau of Reclamation, January 25, 2011; and *North Bay Water Reuse Authority, North Bay Water Recycling Program, Marin, Sonoma, and Napa Counties, Archaeological Extended Phase I Report*, Prepared for the U.S. Department of the Interior, Bureau of Reclamation, January 25, 2011. On March 21, 2011, the California State Historic Preservation Officer concurred with Reclamation's determination of "no adverse effect to historic properties" for the NBWRP.



In order to support Section 106 consultation for the modified project, ESA will complete the following tasks regarding cultural resources:

- Updated records search at the Northwest Information Center to determine whether any previously recorded sites are located within a ¼-mile radius of the proposed project elements,
- Letter to Reclamation to consider survey approach and Area of Potential Effects (APE) modification request,
- Revised APE maps,
- Coordination with Reclamation and SWRCB, including comments,
- Field Survey,
- Addendum to Cultural Resources Survey Report.

ESA will prepare and submit copies of all final documents to the District, Reclamation, and SWRCB. Consistent with Reclamation procedures, materials will be submitted electronically from the appropriate NBWRA point of contact. Final documents and information regarding Reclamation consultation activities and status will be reported to SWRCB to satisfy CEQA Plus checklist requirements.

Estimated Cost Task 1: \$8,540

Task 2: CEQA / CEQA Plus and NEPA Environmental Documentation

Task 2.1 Administrative Draft CEQA Addendum/NEPA Supplemental EA

ESA will prepare an administrative draft CEQA Addendum/NEPA Supplemental Environmental Assessment (Addendum/Supplemental EA) for District and Reclamation review to incorporate the proposed pipeline modifications into the NBWRA Phase 1 Program. The Supplemental EA/Addendum would be a focused, project-level environmental document that would assess potential new or more severe impacts associated with the proposed the modifications and clarifications to the previously approved Phase 1 project components under NMWD jurisdiction in the Novato Central Service Area. ESA would work with the District to develop a Project Description for the revised components that would explain the differences between the current modified proposal and the approved project, including alignment locations and any changes in construction equipment, methodology, or schedule. ESA would request from the District an estimated construction schedule, types of construction equipment, and truck access routes to support the federal general conformity air quality, greenhouse gas emissions, traffic, and noise analyses. The Addendum/Supplemental EA would include the full suite of environmental resource analyses as required under CEQA and NEPA, focusing on changes from previously analyzed conditions.



ESA would submit the Administrative Draft to District for review, and incorporate comments prior to submitting the draft to Reclamation. ESA would discuss with the District and SWRCB to determine if advance SWRCB review of the draft is appropriate at that point in the loan application process. This scope assumes all submittals would be electronic (Word, and PDF including figures and appendices).

Task 2.2 Final CEQA Addendum/NEPA Supplemental EA

Based on comments from reviewing agencies (District, SWRCB, and Reclamation), ESA would prepare a Final Addendum/Supplemental EA. The Addendum/Supplemental EA would be intended to satisfy CEQA and support approval with the District's Board of Directors, SWRCB CEQA Plus criteria for environmental staff review pursuant to the District's SRF Loan application (see also Task 2.3), and the Bureau of Reclamation (Reclamation) NEPA¹ requirements.

It should be noted that the District can legally approve an Addendum at the Staff level and without a formal public review period; however to meet SWRCB CEQA Plus requirements, ESA recommends providing a 30 day public review period (some potential to expedite as a 15-day review period), public noticing, as appropriate, and Board of Directors approval and Notice of Determination filing. The Final Addendum/Supplemental EA would be distributed as follows:

1. District and Board Members: up to 10 hard copies: up to 10 copies, as well as Notice of Determination form.
2. State Clearinghouse: Notice of Completion forms and 15 CD copies.
3. Reclamation: electronic copies.
4. SWRCB: up to 2 hard copies, as part of the CEQA Checklist to be prepared under Task 2.3, described below.
5. Public Notices: Although a public review period and public noticing is not required for a CEQA Addendum, ESA would work with the District to determine the appropriate level of public outreach. This could include newspaper noticing, individual mailings, etc. The budget does not include a specific cost for various noticing materials, but includes an estimated lump sum to be allocated appropriately.

Our scope of work assumes no public comments, or very minor comments that could be addressed in a brief technical memorandum, such that no formal responses to comments or recirculation would be required.

¹ In order to meet Reclamation requirements, the Supplemental EA will include sections regarding federal agency consultation history and consultation coordination to enable Reclamation (and SWRCB) to determine if additional federal consultation is required. This scope assumes that project construction impacts will likely be commensurate to the type and level of impact associated with the approved Phase 1 project, including the construction within the paved roadway right-of-way, and no potential impacts to sensitive habitat. In the event that impacts to listed species or their habitat are identified during environmental review, an additional scope item may be required to address Endangered Species Act Section 7 consultation with USFWS.



As part of this process ESA would prepare drafts of the following to support agency approvals:

- District Staff Report and Resolution for the Board of Directors agenda item. ESA assumes that District staff would review the Staff Report, and District counsel would review and provide input regarding the Resolution.
- Finding of No New Significant Impact (FONNSI) for Reclamation review, processing, and signature.

Task 2.3: SWRCB CEQA Plus Checklist

ESA will prepare a draft and final CEQA Checklist for SWRCB to support the District's SRF Loan. This includes an air quality federal general conformity analysis, flood plain mapping, cultural resources evaluation (Task 1 above), and information regarding federally listed species and U.S. Fish and Wildlife Service (USFWS) consultation. As part of this checklist exercise, ESA will review project conditions and confirm that no new species mitigation is required to comply with the NBWRP Biological Opinion. ESA will send the draft checklist to the District for review prior to submittal to SWRCB. The SWRCB submittal will include the Checklist and required appendices, including copies of the NOD for the original NBWRP and the modified project, Reclamation's original Record of Decision for the NBWRP and new FONNSI, the Section 106 consultation concurrence for the original NBWRP and the modified project, and copy of the USFWS Biological Opinion.

In order to meet SRF requirements, a characterization of the approved Phase 1 Central Service Area components would be provided to present the "whole of the action"; however it would be made clear that this portion of the project, and associated mitigation, has been analyzed and approved.

ESA anticipates that the Checklist will be prepared concurrent with development of the Addendum/Supplemental EA described above. SWRCB Environmental Staff typically can initiate their environmental review pending completion of the federal consultations, however they cannot clear the loan application until the NOD, FONNSI, and SHPO concurrence are issued for the modified Central Service Area Project. As part of this task, ESA would work with SWRCB environmental staff on behalf of the District to regarding the federal consultation status.

Estimated Cost Task 2: \$19,420

Optional Task 3: Cultural Resources Subsurface Investigation

This optional task includes ESA and subcontractor labor and materials to conduct subsurface investigation (bore holes) in the event that Reclamation or SHPO require extended survey to more accurately determine whether subsurface or otherwise obscured parts of proximate recorded cultural resource sites are located within the project area. ESA would assist the District in obtaining encroachment and drilling permits, subcontracting a drilling firm, and subcontracting a traffic safety planning firm to prepare a traffic safety plan to support the encroachment permit and supply flagmen during field work, as needed.

Estimated Cost Optional Task 3: up to \$30,000



Assumptions

ESA has made the following assumptions while developing the scope of work and the cost estimate. Changes in these assumptions may require changes in ESA's effort and cost for services. This scope of work assumes:

- Details regarding the project description, including information described in Task 2.1 above, will be provided in advance of preparation of materials under Tasks 1 or 2. Similarly, the project description will not change substantially once environmental impact evaluation is underway.
- This scope does not include detailed investigation for protocol-level surveys for biological resources, wetland assessment, or regulatory permitting, as these resources are not anticipated since project construction would be limited to the roadway right-of-way. In the event that the project would encroach areas outside of the paved right-of-way, an additional scope item may be required to address potential species issues and associated regulatory permitting and/or consultation.
- Any modifications, acceleration, delays or extension of the schedule for other reasons may require modification of ESA's management effort and cost.

The cost estimate for our anticipated scope of work is **\$28,236**. Our scope of work represents an order of magnitude estimate both for individual tasks and the overall scope of work. Additional resources may be necessary to complete the identified tasks, and additional tasks requiring completion to maintain compliance with federal funding requirements may be identified. ESA appreciates the opportunity to continue to provide environmental services in support of the District, and NBWRA Member Agencies, and looks forward to the successful implementation of this project.

Schedule

The attached schedule includes estimated durations for the tasks described above. Please note, the overall schedule is contingent upon Reclamation's review of both the cultural resources and NEPA EA reports. Additionally, subsurface archeological investigation may elongate the estimated schedule. The estimated schedule includes a Notice to Proceed date of February 23, 2015.

Budget

ESA's estimated cost by task and subtask is enclosed.

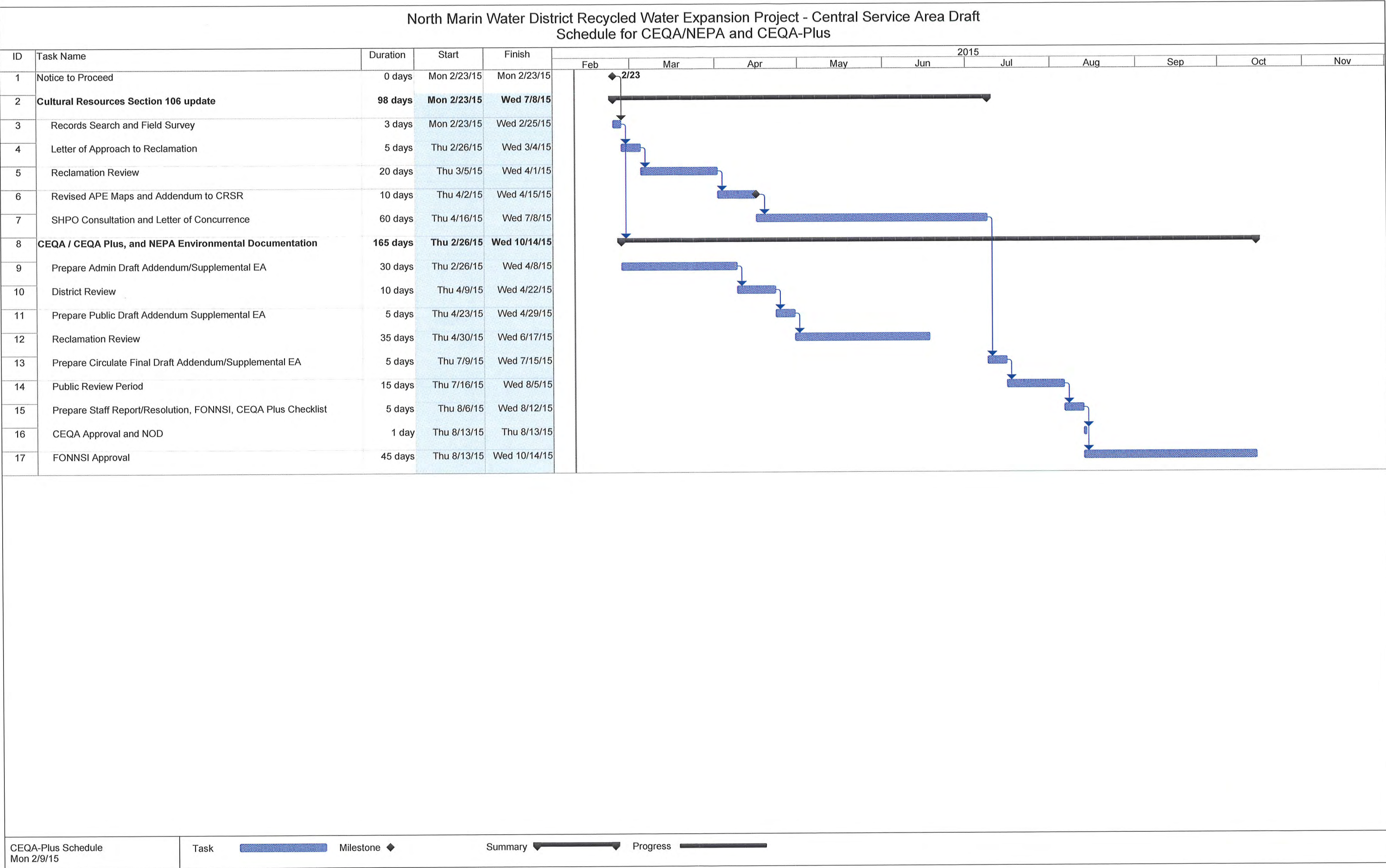


TABLE 1: PRICING PROPOSAL
ESA Labor Detail and Expense Summary

		Jim O'Toole I SrDir	Rebecca Allen II Dir	Brian Pittman III MA/TA	Heidi Koenig I MA/TA	Wes McCullough II SrAssoc	Katie Baker I SrAssoc	Megan Steer I Assoc		Total Hours	Total Labor Price
Task Number / Description									Subtotal		
Hourly Billing Rate		\$225	\$205	\$185	\$155	\$140	\$130	\$95			
1	Document and Map Reproductions (CD)		2		48	4	1		\$ 8,540	55	\$ 8,540
2	CEQA / CEQA Plus and NEPA Environmental Documentation										
2.1	Administrative Draft CEQA Addendum/NEPA Supplemental EA	2			1	6	40	60	\$ 12,345	109	\$ 12,345
2.2	Final CEQA Addendum/NEPA Supplemental EA	1					16	16	\$ 3,825	33	\$ 3,825
2.3	SWRCB CEQA Plus Checklist	1		1		2	8	24	\$ 4,010	36	\$ 4,010
Total Hours		4	2	1	49	12	65	100		233	
Subtotals - Labor Costs		\$ 900	\$ 410	\$ 185	\$ 7,595	\$ 1,680	\$ 8,450	\$ 9,500	\$ 28,720		\$ 28,720
Percent of Effort - Labor Hours Only		1.7%	0.9%	0.4%	21.0%	5.2%	27.9%	42.9%		100.0%	
Percent of Effort - Total Project Cost		3.1%	1.4%	0.6%	26.2%	5.8%	29.2%	32.8%			99.1%

ESA Labor Costs	\$ 28,720
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ESA Non-Labor Expenses

Reimbursable Expenses (see Attachment A for detail)
ESA Equipment usage (see Attachment A for detail)

\$ 257.60

Subtotal ESA Non-Labor Expenses

\$ 257.60

TOTAL PROJECT PRICE	\$ 28,977.60
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Optional Task

3	Cultural Resources Subsurface Investigation							\$30,000.00
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TOTAL PROJECT PRICE (w/ Options)		\$ 58,977.60
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Attachment A
Pricing Proposal Template
ESA Non-Labor Expenses

Reimbursable Costs		
Document and Map Reproductions (CD)	\$	-
Printing/Reproduction	\$	54.00
Document and Map Reproductions (CD + Digital photography)	\$	75.00
Postage and Deliveries	\$	75.00
Mileage	\$	20.00
Subtotal Reimbursable Costs	\$	224.00
15% Fee on Reimbursable Expenses	\$	33.60
Total Reimbursable Costs	\$	257.60

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MEMORANDUM

To: Board of Directors
From: Pablo Ramudo, Water Quality Supervisor 
Subject: Second Quarter FY 14/15– Water Quality Report
P:\LAB\WQ Supv\WQ Reports\2015\2nd Qtr FY15 WQ Rpt.doc

February 13, 2015

RECOMMENDED ACTION: Information

FINANCIAL IMPACT: \$0

The water served to the communities of Novato and Point Reyes met federal and state primary water quality standards during the second quarter of fiscal year 2014-2015.

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

- Source Water
- Treatment Performance
- Distribution System Water Quality
- Novato Recycled Water

NOVATO SYSTEM

Source Water: Stafford Lake

Stafford Lake water was used briefly as a source of drinking water for several days in November to allow for the Stafford Treatment Plant transmission pipeline inspection. Water quality was monitored on a monthly basis for chemical and mineral components as well as microbiological activity.

Algae from the raw water intake were identified and enumerated. Algae numbers were moderate with two blooms of significant size. Seven species of algae were recorded in high numbers including several species which produce compounds that can cause adverse taste and odor.

Treatment Performance: Stafford Treatment Plant

Total organic carbon removal was 58%, above the 35% requirement of the Enhanced Surface Water Treatment Rule. Finished water TOC concentration was 3%, above the districts goal of 2.0 mg/L.

Distribution System: Novato

Of 262 samples collected for compliance with the Total Coliform Rule- there were no coliform positive samples this quarter. Chlorine residual concentrations throughout our distribution system were good.

Disinfection byproducts were moderate for the quarter and within standards of the Stage 2 Disinfection By-Product Rule.

There were many complaints of discolored water in central Novato in November. These were due to disturbance of pipe sediments by both the changes in direction of flow in the transmission line from Stafford Treatment Plant for its inspection, and by a large main break caused by a PGE contractor on Center Road. The areas that were affected are being targeted in this winter's flushing program.

POINT REYES SYSTEM

Source Water: Coast Guard Wells

Raw water quality was good throughout the quarter. Water quality parameters affected by salt water increased significantly due to salinity intrusion. Dry conditions and low creek flows probably contributed to higher than normal salinity measures as fresh water that normally opposes incoming tides and flushes the aquifers was at below average levels. The sodium concentration ranged from 50-88 mg/L, chloride ranged from 56-340 mg/L, hardness ranged from 79-420 mg/L, and bromide ranged from 0.21-0.95 mg/L.

Treatment Performance: Point Reyes Treatment Plant

Treatment was generally good throughout the quarter. Iron and Manganese removal was adequate. The two metals, which have no health affects but can make water appear discolored or dirty, were detectable in two samples of treated water.

Distribution System: Point Reyes

There were 23 samples collected for routine monitoring and compliance with the Total Coliform Rule. None of the samples were positive for coliform bacteria. Chlorine residual concentrations throughout our distribution system were good.

Disinfection byproducts increased in this quarter as a result of salinity intrusion. The level at one of our monitoring locations was just below the maximum contaminant limit (**MCL**) value for trihalomethanes of 80ug/L. Our tank aeration systems have kept the concentration of these disinfection byproducts at moderate concentrations throughout the year, making it possible to keep the running annual averages around half of the MCL.

NOVATO RECYCLED WATER

Deer Island Recycled Water Facility

The Deer Island plant did not produce any water during the quarter.



North Marin Water District- 2nd Quarter FY2014/2015

Bacteriological Quality Monitoring

Novato: 262 Samples Analyzed. No samples positive for coliform bacteria
 Point Reyes: 23 Samples analyzed. No samples positive for coliform bacteria.

Chemical Quality Monitoring

Constituent	Units	Maximum Contaminant level	SCWA North Marin Aqueduct	Stafford Treatment Plant	Point Reyes Treatment Plant
Conductivity	umhos/cm	900 *	290	440	980
TDS	mg/L	500 *	185	258	555
Hardness	mg/L	-	110	125	270
Alkalinity	mg/L	-	127	99.7	89.2
Calcium	mg/L	-	23.3	23.4	38.9
Magnesium	mg/L	-	13.8	17.1	41.4
Copper	mg/L	1.0*	ND	ND	ND
Iron	mg/L	0.3*	ND	ND	ND
Manganese	mg/L	0.05 *	ND	ND	ND
Zinc	mg/L	5.0 *	ND	ND	ND
Sodium	mg/L	-	18.3	34.4	76.5
Chloride	mg/L	250 *	7.56	66	233
Sulfate	mg/L	250 *	11.8	12.4	23.6
Fluoride	mg/L	2.0 (1.4-2.4)	0.10	0.14	0.08
Nitrite as N	mg/L	1.0	ND	ND	ND
Nitrate as N	mg/L	10	0.13	0.09	ND
pH	pH units	8.5 *	8.5	7.99	7.1
Turbidity	NTU	5	0.06	0.14	0.09
Color	PCU	15	<2.5	<2.5	<2.5
Free Chlorine	mg/L	4.0	0.67	1.75	0.65
Total Chlorine	mg/L	4.0	0.9	1.92	0.68
Temperature	° C	-	17.5	15.2	16
Odor	TON	3	<1	<1	<1

*Indicates secondary drinking water standard

ND = Not Detected
 NA = Not Analyzed

9

MEMORANDUM

To: Board of Directors

February 13, 2015

From: David L. Bentley, Auditor-Controller

Subj: Information – 2015 Urban Area Water Cost Comparison

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

The 2015 survey shows North Marin ranked 9th out of the 17 agencies, exactly in the middle, and up one position from the 2014 survey. Median Novato single-family residential household annual consumption is calculated at 107,700 gallons¹, up 100 gallons from last year, rendering an annual water cost of \$688. The District's tier rates do not apply to North Marin's typical single-family residential customer, as only 25% of said customers used enough water in 2014 to be subject to a tier rate, thus it is not reflected in the cost comparison.

Twelve of the sixteen comparison agencies increased their water rates over the past twelve months. The average charge for all agencies surveyed, excluding North Marin, increased 7%. The four agencies that did not increase rates over the past 12 months were Marin Municipal Water District, the City of Vallejo, the City of Sonoma, and the City of Rohnert Park (Rohnert Park's last increase was in 2008). North Marin's annual water cost to the typical single-family residence is 1% below the median of agencies surveyed, compared to 34% below the median six years ago. San Jose Water Company (a private utility regulated by the CPUC) enacted the largest percentage increase among the comparison agencies last year at 39%, followed by the City of San Francisco (14%), East Bay MUD (10%), and Mid-Peninsula (9%).

Fourteen of the sixteen comparison agencies have now adopted a tier-rate structure. Last July Alameda County Water District enacted a drought surcharge in the form of a tier-rate structure. The two holdouts maintaining a uniform commodity rate are Contra Costa Water District and the City of Rohnert Park.

North Marin's \$30.00 bimonthly service charge for a 5/8" meter, applicable to 74% of the customer base, is 2% below the median of comparison agencies. The bimonthly service charge ranges from a low of \$14 (Petaluma) to a high of \$47 (San Jose Water).

Looking ahead, EBMUD and ACWD are both considering enactment of an 8% rate increase. Valley of the Moon is considering lowering its tier-thresholds, and San Jose Water, Santa Rosa and Windsor have all adopted a pass-through ordinance enabling annual water rate increases to be enacted administratively (i.e., without an annual public hearing) based upon the increase in purchased water cost.

¹ Fiscal year 2013/2014 exponential moving average of the past five fiscal years median consumption.

NORTH MARIN WATER DISTRICT

2015 URBAN AREA WATER COST COMPARISON

FOR TYPICAL SINGLE-FAMILY DWELLING IN THE NOVATO SERVICE AREA

As of February 11, 2015

Typical Detached Single-Family Residence Served by a 5/8" x 3/4" Meter
Annual Consumption is Calculated at 107,700 gallons.

Agency	Note	No. of Water Services	Bimonthly Service Charge	Commodity Rate/1,000 Gallons (1)	Annual Commodity Charge (2)	Total Annual Cost
Mid-Peninsula WD	(3)	7,956	\$36.86	\$8.56	\$921.87	\$1,143
City of San Francisco	(4)	174,000	\$17.62	\$7.98	\$859.10	\$965
San Jose Water Co	(5)	239,000	\$46.91	\$5.85	\$630.02	\$912
Alameda CWD	(6)	81,700	\$31.95	\$5.27	\$567.10	\$759
Marin Municipal WD	(7)	58,500	\$21.53	\$5.73	\$616.72	\$746
Contra Costa WD	(8)	61,261	\$36.68	\$4.72	\$507.98	\$728
City of Santa Rosa	(9)	51,482	\$25.04	\$5.32	\$572.72	\$723
East Bay MUD	(10)	388,419	\$34.86	\$4.61	\$496.96	\$706
→ NORTH MARIN	(11)	20,495	\$30.00	\$4.72	\$508.34	\$688 ←
City of Vallejo	(12)	36,664	\$32.90	\$4.50	\$485.02	\$682
City of Sonoma	(13)	4,323	\$30.69	\$4.49	\$483.65	\$668
City of Petaluma	(14)	19,928	\$14.40	\$4.73	\$509.89	\$596
City of Napa	(15)	25,143	\$16.07	\$5.39	\$483.21	\$580
City of Rohnert Park		9,133	\$36.64	\$3.00	\$323.10	\$543
Valley of the Moon	(16)	6,912	\$16.34	\$4.03	\$434.26	\$532
City of Cotati	(17)	2,579	\$30.21	\$3.05	\$328.57	\$510
Town of Windsor	(18)	9,121	\$18.26	\$3.66	\$393.85	\$503

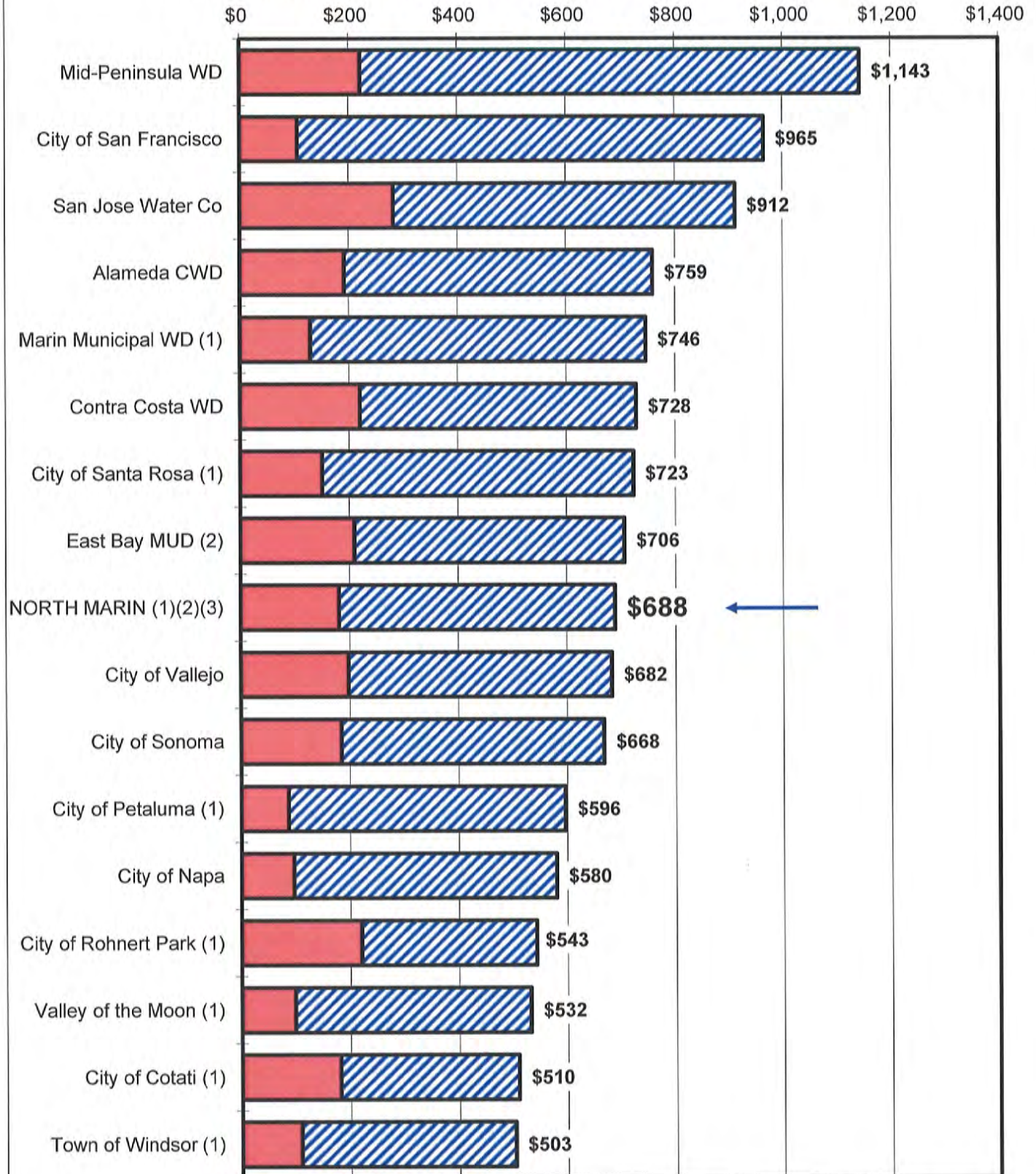
Notes:

- (1) Average commodity rate for agencies with tier rate structure calculated using NMWD seasonal consumption pattern.
- (2) Based on NMWD median single-family detached residential consumption of 107,700 gallons per year.
- (3) Four-tier rate structure. First 2 Ccf/month @ \$4.20/Ccf, next 8 @ \$6.46/Ccf, next 15 @ \$7.75, 26+ @ \$9.04. All water is purchased from the SF PUC.
- (4) Two-tier rate structure. First 3 Ccf/mo @ \$4.86/Ccf, excess at \$6.52/Ccf.
- (5) Three-tier rate structure. First 3 Ccf/month at \$3.2071/Ccf, 4-18Ccf at \$3.5634, 18+ Ccf at \$3.9197. Rates & charges include 5% Utility User tax & 1.5% PUC tax. Bimonthly Service Charge includes surcharges for Water Rate Assistance Program (\$1.15/mo), SRF loan repayment (6¢/mo) & surcredit of \$0.25 per month. Commodity Rate includes a \$0.2934 pass-through charge for SCVWD increases in purchased & groundwater charges plus surcharges of \$0.0492 & \$0.2888/Ccf.
- (6) Drought surcharge in effect in the form of a tier-rate structure which adds \$81.45 to the annual water cost.
- (7) Four-tier rate structure. Rate/Ccf = \$3.74, \$7.48, \$14.97 & \$22.45. Summer bimonthly tiers (June-Nov) 0-26 Ccf, 27-59 Ccf, 60-99 & 100+. Winter tiers (Dec-May) 0-21 Ccf, 22-48, 49-80 & 81+.
- (8) Commodity rate includes \$0.0767/Ccf Zone 1 Energy Surcharge (applies to 60% of customers) & Bimonthly Service Charge includes surcharge for Public Fire Protection (\$0.0323/day)
- (9) Four-tier rate structure. The first tier, at \$4.86/1,000 gal, is based upon winter use, which averages 4,000 gal/mo for a single-family residence. The next 8,000 gal/mo above winter use is @ \$5.59/1,000, next 22,000 gal @ \$6.98, additional at \$10.48.
- (10) Three-tier rate structure with three elevation zones. 1st Zone Charge (0-200') is: 0-172 gpd @ \$2.91/Ccf; 173 to 393 gpd @ \$3.60, use in excess of 393 gpd @ \$4.42/Ccf. Commodity rate shown is the weighted-average elevation zones charge.
- (11) Three-tier rate structure with three elevation zones. 1st Zone charge (0-60') is: 0-615 gallons per day @ \$4.29/ 1,000 gal, 616 to 1,845 gpd @ \$6.84/1,000, use in excess of 1,845 gpd @ \$11.90. Additional 51¢/1,000 for customers between 60' and 200' elevation; additional \$1.13/1,000 over 1st Zone for customers above 200'. Commodity rate shown is the weighted average charge for all zones in Novato. Excludes West Marin rates and charges.
- (12) Two-tier rate structure. First 22 Ccf bimonthly @ \$2.88/Ccf; 23+ @ 5.40/Ccf.
- (13) Three-tier rate structure. First 12,000 gallons bimonthly @ \$3.59/1,000; next 36,000 @ \$6.11/1,000, above 37,000 @ \$7.63.
- (14) Four-tier rate structure. First 8 Ccf/month @ \$3.27/Ccf, 9-16 Ccf @ \$3.92, 17-24 Ccf @ \$4.89, and 25+ @ \$6.35
- (15) Four-tier rate structure. Bimonthly charge includes 3,000 gal. Next 17,000 @ \$5.36/1,000, next 20,000 @ \$5.56, next 35,000 @ \$7.04, additional @ \$9.34. 45% surcharge for use outside city (approx 10%). 4% increase approved for 10/1/15.
- (16) Three-tier rate structure. 1st 18,000 gallons bimonthly @ \$3.75/1,000, next 22,000 @ \$5.62, additional at \$8.40.
- (17) Three-tier rate structure. 1st 10,000 gallons bimonthly \$2.89/1,000, next 20,000 gal \$3.05/1,000, over 20,000 gal \$3.85/1,000.
- (18) Four-tier rate structure. First 4,000 gallons/month @ \$3.10/1,000, next 3,000 gallons @ \$3.41, next 10,000 @ \$4.77, additional @ \$5.72.

Annual Cost	
Average	\$706
Median	\$694
NMWD	\$688

2015 URBAN AREA TOTAL ANNUAL WATER COST COMPARISON

Typical Detached Single-Family Home Annual Consumption = 107,700 Gallons



LEGEND

■ Service ■ Commodity

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

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DISBURSEMENTS - DATED FEBRUARY 12, 2015

Date Prepared 2/10/15

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

Seq	Payable To	For	Amount
P/R*	Employees	Net Payroll PPE 1/31/15	\$118,989.78
EFT*	US Bank	Federal & FICA Taxes PPE 1/31/15	52,351.73
EFT*	State of California	State Taxes & SDI PPE 1/31/15	9,034.00
EFT*	US Bank	January Credit Card Fees Incurred for Customer Online Payments	1,804.55
1	101 Office Products	Quarterly Toner Supply Order (Black - 11 \$1,227) & (Color 6) (Young & STP)	1,935.34
2	Able Tire & Brake	Tire Tube, Tires (4) ('00 Dodge Ram 1500 \$296 & '02 Int'l Dump Truck \$480)	788.97
3	Asbury Environmental Services	Used Oil & Gasoline Auto Filter Disposal	35.00
4	Athens Administrators	Replenish Workers' Comp Account (Venegas) (Jan)	6,027.84
5	AT&T	Telephone Charges: Leased Lines	705.58
6	Bastogne	Refund Overpayment on Closed Account	55.00
7	Battery Systems	Replacement Solar System Battery (Plum St. Tank)	115.93
8	Bay Area Barricade Service	Buried Cable Decals: "Call NMWD" (50) & "CP Station . . ." (20)	381.50
9	Bold & Polisner	AEEP Caltrans Reimb B3 (1,686), Foreign Language Water Service Termination Notices (\$55), Novato Creek Water Rights (\$35) & Public Records Act (\$166)	1,943.00
10	CalPERS Retirement System	Pension Contribution PPE 1/31/15	43,129.49
11	Caltest Analytical Laboratory	Lab Testing	35.00
12	Campos, Lilly	Novato "Cash for Grass" Program	380.00
13	Cascade Fire Equipment	5" Suction Hoses (2) (\$771) & Hose Straps (2) ('96 Potable Water Pump w/Trailer)	797.27

Seq	Payable To	For	Amount
14	Cummings Trucking	Rock (65 yds)	2,389.94
15	D'Ambrosia, Liz	Novato "Cash for Grass" Program	400.00
16	Elshout, Anthony	Novato "Washer Rebate" Program	50.00
17	Fisher Scientific	Reagent (\$68), Nitric Acid (\$97), Eye Wash Refill (3), Petri Dishes (1,200) (\$408), Tweezers, Sodium Thiosulfate, Sulfate Standard & Bromothymol Blue (Lab)	683.47
18	Forde, W.R., Construction	Refund Security Deposit on Hyd Meter Less Final Bill	994.51
19	Gaya, DB	Progress Pymt #2: Tank Coating Inspection for Atherton Tank Rehabilitation (Balance Remaining on Contract \$32,100)	4,200.00
20	Golden Gate Petroleum	Gasoline (\$2.23/gal) & Diesel (\$2.38/gal)	2,688.04
21	Grainger	Pump Discharge Control Valves (7)	537.58
22	Hach	Sample Bottles (24) & Reagents (4) (\$223) (STP)	398.88
23	Henris Roofing	Roof Tiles (4)	17.32
24	Lamb, Nicole	Refund Overpayment on Closed Account	54.87
25	Landeros, Dianne	Exp Reimb: Baywork Workshop in San Jose. Mileage (\$98) & Bridge Toll	103.33
26	Lima, Michela	Novato "Washer Rebate" Program	50.00
27	MacDonald, R.F.	New Well Pump & Motor (Gallagher Pipeline Project)	3,227.07
28	Marin Reprographics	Toner Cartridges (2) (Wide Carriage Scanner)	195.11
29	McLellan, WK	Misc Paving (233 S.F.)	1,739.82
30	MSC Industrial Supply	Sump Pump (STP)	436.75
31	Nerviani's Backflow	Progress Pymt #4: Backflow Device Testing (6)	540.00
32	NetDiligence	Level 1 Cyber Risk Assessment (Balance Remaining on Contract \$500)	12,000.00

Seq	Payable To	For	Amount
33	North Marin Auto Parts	Oil Filters (5), Motor Oil (44 qts) (\$161), Threaded Rod, 1/2" Nuts (6), U-Bolt, Interior Cleaner (2), Bolts (8), Wiper Blades (3) (\$50), Gear Oil (3 qts), Battery (\$98) & Core Deposit ('01 Dodge Ram), Electronic Cleaner, Air Filter, 12 Volt Outlet & Diesel Engine Oil (12 gal) (\$224) ('04 Backhoe & '02 Intl Dump Truck)	707.73
34	North Bay Gas	Welding Shop Supplies (\$70), Nitrogen (\$458), Carbon Dioxide & Jan Cylinder Rental (\$142)	701.64
35	Novato Builders Supply	Concrete Nails (4 lbs)	11.29
36	PG&E	Power: Bldgs/Yard (\$3,553), Rectifier/Controls (\$419), Pumping (\$14,919) Treatment (\$212) & Other (\$104)	20,318.27
37	Point Reyes Light	Display Ad: Salinity Intrusion into Pt Reyes Well Supply (2)	112.00
38	Scott Technology Group	Quarterly Maintenance on Engineering Copier (10/15/14-1/15/15)	487.21
39	Shirrell Consulting Services	Feb Dental Insurance Admin Fee	293.80
40	Shirrell Consulting Services	Jan Dental Expense	3,903.40
41	Silveira Ranches	Installation of 4 New Fence Gates at Silveria Ranch (AEEP Project)	4,657.78
42	Verizon California	Leased Lines	802.49
43	Watersavers Irrigation	Weed Killer (3 gal)	80.89
44	Widener, Barry	Novato "Washer Rebate" Program	50.00
45	Wilson Bohannon	Brass Locks (80)	685.77
TOTAL DISBURSEMENTS			<u>\$302,028.94</u>

The foregoing payroll and accounts payable vouchers totaling \$302,028.94 are hereby approved and authorized for payment.


Auditor-Controller

2/10/15
Date


General Manager

2/10/2015
Date

DISBURSEMENTS - DATED FEBRUARY 5, 2015

Date Prepared 2/3/15

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

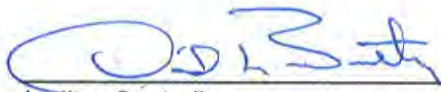
Seq	Payable To	For	Amount
1	Alpha Analytical Labs	Lab Testing	\$48.00
2	American Family Life Ins	Jan Employee Contribution for Accident, Disability & Cancer Ins	4,224.87
3	Athens Administrators	Feb Workers' Comp Admin Fee	1,000.00
4	AT&T	January Internet Service @ P RTP	84.00
5	AWWA CA-NV SEC	Water Know - Online Training & Certification Tracking System (1 year Subscription) (1/1/15-1/1/16) (Budget \$0)	5,370.00
6	Baker, Jack	January Director's Fee (\$410) & North Bay Watershed Association Meeting on 1/9/15 (\$205)	615.00
7	Bay Area Barricade Service	69" Tamping Bar (2) (\$76), Striping Paint (24-17 oz cans) (\$115) & Marking Paint (24-17oz cans) (\$94)	285.47
8	Bentley, David	January Mileage & Expense Reimbursement	248.28
9	California State Disbursement	Wage Assignment Order	811.50
10	CalPERS	Health Insurance Premium (Employee \$53,983, Retirees \$10,213 & Employee Contribution \$12,423)	78,619.49
11	Core Utilities	Consulting Services: Dec IT Support (\$5,000), Program New Radios (\$1,550), Hanna Ranch RTU (\$450), Paradise Ranch Estates Communication (\$475), Yard PLC (\$225), Gallagher Well PLC (\$1,000), Ridge Road Communication (\$75), Center Rd Radio (\$50), SCADA (\$175), Correct STP Report (\$600), Website Water Conservation Goals (\$75) & Cyber Liability Audit (\$375)	10,050.00
12	CSW/Stuber-Stroeh Engineering	Progress Pymt #2: Marin Sonoma Narrows NMWD Aqueduct Energy Efficiency Project (Balance Remaining on Contract \$128,617)	43,131.31


Seq	Payable To	For	Amount
13	DeGabriele, Chris	Exp Reimb: Jan Mileage	140.88
14	Doyle, Sheriff Robert	Wage Assignment Order	473.61
15	Evoqua Water Technologies	Service on Deionization System	221.80
16	Fisher Scientific	Squirt Bottles (6) (\$62) & Powder Funnel, Sulfate Standard, Reagent & Timer (Lab)	188.22
17	Fox, Andrew	Novato "Washer Rebate" Program	50.00
18	Fraites, Rick	January Director's Fee	410.00
19	Fremouw Environmental Svc	Solid Oil Waste Disposal	357.23
20	Gibson, Bill	Novato "Washer Rebate" Program	50.00
21		Cafeteria Plan: Uninsured Medical Reimbursement	159.00
22	Grainger	Wheels for Air Pumps (6) (\$141), Hand Drum Pump (STP) & Rubber Mounts for Air Pumps (2)	249.63
23	Groeniger	Couplings (8) (\$1,935), Flanges (40) (\$605), Nipple & Gaskets (40) (\$152)	2,707.23
24	Intellaprint Systems	Annual Maintenance on Engineering Wide Carriage Scanner/Copier (10/1/14-9/30/15)	417.00
25		Vision Reimbursement	20.65
26	Leighton Stone	P2 Valve (San Marin P/S)	604.96
27	Lincoln Life	Deferred Compensation PPE 1/31/15	13,187.55
28	MacDougall, Rod	Novato "Washer Rebate" Program	50.00
29	Maltby Electric	Electrical Conduit, Wire, Circuit Breaker, Telemetry Cable Splice Kits for Gallagher Pipeline (\$1,040), Conduits (100) & Conduit Fittings for O.M. Pond Power	1,221.66
30	Mersereau, Larry	Novato "Toilet Rebate" Program	100.00
31	Mutual of Omaha	Feb Group Life Ins Premium	760.58
32	National Meter & Automation	1" Meters (64)	9,751.75
33	Nationwide Retirement Solution	Deferred Compensation PPE 1/31/15	1,325.00
34	Novato Police Dept	Telephone Answering Service (Nov-Jan)	600.00

Seq	Payable To	For	Amount
35	Office Depot	Quarterly Office Supply Order: Laser Paper, Chair (\$288) (Lab), Invoice Envelopes (100), Batteries (36), Binders (14) (\$125), Binder Clips, Label Tape, Folders (45), Post-its (32), Note Pads (24), Paper Clips, Highlighters, Scratch Pads (12), Envelopes (3,000) (\$112), Scanner (STP) (\$268), Wireless Headset (\$322) (Solar) & Ink Pad	1,689.98
36	O'Leary, Imelda	Novato "Toilet Rebate" Program	79.99
37	Pace Supply	3/4" PVC Adaptors (20), 3/4" Bibb Hoses (9) (\$122) & Dewatering Hand Pumps (6) (\$179)	304.45
38	Pell, John	Novato "Washer Rebate" Program	50.00
39	PES Environmental	Prepare CA Dept of Fish & Wildlife Notification of Potential Streambed Alteration for Gallagher Well	1,282.50
40	Peterson Trucks	Diagnostic Test & Repair ('07 Intl 4300)	1,458.33
41	NMWD Petty Cash	Petty Cash Reimb: Safety Snacks (\$46), Calendar, Batteries & Safety Bucks (5)	72.12
42	Petterle, Stephen	January Director's Fee	410.00
43	Pumping Solutions	Air Powered Pump Parts (2) (\$271) & Air Powered Ditch Pump (\$1,752) (Less credit of \$80 received for shipping)	1,943.30
44		Cafeteria Plan: Childcare Reimbursement	545.60
45	Raposo, Jose	Refund Overpayment on Open Account	1,000.00
46	Roach, M.	Refund Overpayment on Open Account	884.09
47	Rodoni, Dennis	January Director's Fee	410.00
48	Rosemount	New Flow Meter for San Marin East Pump	3,116.06
49	Schoonover, John	January Director's Fee Less Deferred (\$360) & NBWRA Meeting on 1/26/15 (\$205)	565.00
50	Schwaab	Date Stamp (Engineering)	45.41
51	Shanahan, Ray	Novato "Toilet Rebate" Program	100.00
52		Vision Reimbursement	120.00

Seq	Payable To	For	Amount
53	Univar	Sodium Hypochlorite (424 gal) (\$1,127) & Drum Charge (O.M.)	1,487.84
54	USA BlueBook	Conductivity Standard, Starch Indicator & Reagents (11) (\$81) (STP)	154.64
55	Verizon California	DSL Line (\$52) & Leased Line	96.74
56	Verizon Wireless	December CIMIS Station Data Transfer Fee	33.04
57	Water Components & Bldg Sep.	Drain Parts (2)	34.79
58	Winzer	Hardware for Auto Shop (\$699) & Hand Cleaner & Hose Clamps (2)	747.22
59	Workforce Boots & Clothing	Safety Boots (Latanyszyn)	151.54
TOTAL DISBURSEMENTS			<u>\$194,317.31</u>

The foregoing payroll and accounts payable vouchers totaling \$194,317.31 are hereby approved and authorized for payment.


2/3/15
 Auditor-Controller
 Date


2/3/2015
 General Manager
 Date

Connie Filippi

From: David Bentley
Sent: Friday, January 09, 2015 1:35 PM
To: Connie Filippi
Cc: 'jack baker'
Subject: FW: North Bay Watershed Association Mtg.

Connie
Please initiate compensation for Director Baker.....David

From: jack baker [<mailto:jckbaker@gmail.com>]
Sent: January 09, 2015 12:42 PM
To: David Bentley
Subject: North Bay Watershed Association Mtg.

David,

This morning I represented NMWD at the referenced meeting which was held at the Marin Community Foundation offices in Hamilton.

Pls. initiate compensation for my participation in said mtg.

Thank you
Jack Baker

NORTH MARIN WATER DISTRICT CHECK REQUEST

PAYEE JOHN SCHOONOVER	
1160 Rosalia Drive	DATE <u>11/26/15</u> (TODAY'S DATE)
Novato, CA 94947	AMOUNT: \$200.00

I attended the NBWA on 11/26/15
 (NAME OF MEETING OR WORKSHOP) (DATE OF MEETING)

and wish to be compensated as provided under the Board Compensation Policy.

[Signature]
SIGNATURE

CHARGE TO: 56001-01-11


DISPOSITION OF CHECK

X MAIL TO PAYEE

- ☐ HOLD FOR _____
☐ OTHER _____

[Signature]
APPROVED TO PAY BY

T:\FORMS\CHECK REQUEST FOR BOARD.DOC
REV. 0213

Prepared By	Accounting Review	POST DATE	Vendor No.	 NORTH MARIN WATER DISTRICT
			SCHO01	

Invoice Number (CK Req ID)	Invoice (CK Req) Date	Invoice (CK Req) Amount
CKRQ		\$200.00

NMWD Comment

Job Number	GL Account	Amount
	56001-01-11	\$200.00
TOTAL		\$200.00

MEMORANDUM

To: Board of Directors

February 13, 2015

From: Dianne Landeros, Accounting/HR Supervisor 

Subject: January 2015 Furniture/Equipment Auction

t:\finance\memos\bod memo auction 115.doc

RECOMMENDED ACTION: None

FINANCIAL IMPACT: \$8,340 Income (Estimated)

Staff has identified miscellaneous office furniture that is no longer in use by the accounting department and may still have value at auction. Staff also just received the new John Deere loader and sent the 1993 Case Loader to auction. We can expect to recover at least some of our expenses at auction.

Staff researched the current value for the surplus items listed below and plans to sell them through 1st Capitol Auction, a bonded resale agent located in Vallejo. This will be the fifth year we have sold equipment through this auctioneer.

The following equipment will be sold at auction on February 21st.

Equip. No.	Description	Est. Auction Value
	6 Office Desks	\$600
	4 Corner Unit Desks	\$400
	2 End Tables	\$50
	1 Metal bookcase	\$10
	2 Partitions	\$50
	23 Tapping Sleeves	\$230
#62	1993 Case Loader/Scraper 480F	\$7,000
	TOTAL	\$8,340

Fictitious Business Name Statement. File No. 136347. The following person(s) is (are) business as: Natural Portraits and Events, 252 Devon Dr., San Rafael, CA 94903. This business is conducted by an individual: Norman H. Levin, 252 Devon Dr., San Rafael, CA 94903. This statement was filed with the County Clerk of Marin County on January 5, 2015, signed O. Lobato, Deputy. Published in the Point Reyes Light January 22, 29, February 5, 12, 2015.

Fictitious Business Name Statement. File No. 2015136439. The following person(s) is (are) business as: Pharma Analytics, 69 Angela Ave., San Anselmo, CA 94960. This business is conducted by an individual: David J. Larn, 69 Angela Ave., San Anselmo, CA 94960. This statement was filed with the County Clerk of Marin County on January 5, 2015, signed S. Olivia, Deputy. Published in the Point Reyes Light January 22, 29, February 5, 12, 2015.

Fictitious Business Name Statement. File No. 136475. The following person(s) is (are) business as: College Fly, 20 Berlin Ave, San Anselmo, CA 94960. This business is conducted by a married couple: 01: Jann Russell, 20 Berlin Ave, San Anselmo, CA 94960, 02: John Semineiro, 20 Berlin Ave, San Anselmo, CA 94960. This statement was filed with the County Clerk of Marin County on January 16, 2015, signed M. Rakinichan, Deputy. Published in the Point Reyes

by a corporation: Professional Financial Investors, Inc., 350 Ignacio Blvd., #300, Novato, CA 94949. This statement was filed with the County Clerk of Marin County on January 14, 2015, signed C. Sanchez, Deputy. Published in the Point Reyes Light January 29, February 5, 12, 19, 2015.

Fictitious Business Name Statement. File No. 136448. The following person(s) is (are) business as: Pacheco Villa 1, 30-42 & 33-39 Clay Court, Novato, CA 94949. This business is conducted by a corporation: Professional Financial Investors, Inc., 350 Ignacio Blvd., #300, Novato, CA 94949. This statement was filed with the County Clerk of Marin County on January 14, 2015, signed C. Sanchez, Deputy. Published in the Point Reyes Light January 29, February 5, 12, 19, 2015.

Fictitious Business Name Statement. File No. 136449. The following person(s) is (are) business as: 49 Ignacio Ln., 49 Ignacio Ln., Novato, CA 94949. This business is conducted by a corporation: Professional Financial Investors, Inc., 350 Ignacio Blvd., #300, Novato, CA 94949. This statement was filed with the County Clerk of Marin County on January 14, 2015, signed C. Sanchez, Deputy. Published in the Point Reyes Light January 29, February 5, 12, 19, 2015.

Fictitious Business Name Statement. File No. 2015136359. The following

January 6, 2015, signed S. Olivia, Deputy. Published in the Point Reyes Light February 5, 12, 19, 26, 2015.

Fictitious Business Name Statement. File No. 304599. The following person(s) is (are) business as: Marin Analytics, 1281 Anderson Dr., Ste. D, San Rafael, CA 94901. This business is conducted by a limited liability company: Sara A Biancalana, 375 Sausalito St., Corte Madera, CA 94925. This statement was filed with the County Clerk of Marin County on January 13, 2015, signed S. Olivia, Deputy. Published in the Point Reyes Light February 5, 12, 19, 26, 2015.

Fictitious Business Name Statement. File No. 136514. The following person(s) is (are) business as: New Life Church, 1370 S. Novato Blvd., Novato, CA 94947. This business is conducted by a corporation: New Life Christian Center, 1370 S. Novato Blvd., Novato, CA 94947. This statement was filed with the County Clerk of Marin County on January 22, 2015, signed J. Mannion, Deputy. Published in the Point Reyes Light February 5, 12, 19, 26, 2015.

Fictitious Business Name Statement. File No. 136454. The following person(s) is (are) business as: My Broker Donates Realty, 1207 Bridgeway # B-1, Sausalito, CA 94965. This business is conducted by an individual: Jack McLaughlin, 1207 Bridgeway # B-1, Sausalito, CA 94965. This statement was filed with the County

is (are) business as: 01: becca, 11 Wharf Rd., Bolinas, CA 94924; 02: becca b&b, 11 Wharf Rd., Bolinas, CA 94924. This business is conducted by a limited liability company: Becca LLC, 11 Wharf Rd., Bolinas, CA 94924. This statement was filed with the County Clerk of Marin County on January 27, 2015, signed C. Sanchez, Deputy. Published in the Point Reyes Light February 5, 12, 19, 26, 2015.

Don Deane, 41 Wharf Rd., Bolinas, CA 94924. I hereby certify that the foregoing is a correct copy of the original on file in my office. Richard N. Benson, Marin County Clerk, by C. Sanchez, Deputy. Published in the Point Reyes Light February 5, 12, 19, 26, 2015.

Notice:

Salinity intrusion into the Point Reyes well supply serving the West Marin communities of Point Reyes, Olema, Inverness Park, and Paradise Ranch Estates has occurred beginning on September 16, 2014 and has caused sodium levels to increase from background levels of 15-30 milligrams per Liter (mg/L). The table below lists the most recent concentrations for sodium in the West Marin water supply:

Date	Chloride	Sodium	Units
2/3/15	92	57	mg/L
1/27/15	84	50	mg/L

*milligrams per liter

Chris DeGabriele, General Manager
North Marin Water District

Salinity Notice

2/3/15

BO DAVIS

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Amid California's drought, water chief preaches conservation – and balance

BY JEREMY B. WHITE JWHITE@SACBEE.COM

01/30/2015 7:19 PM | Updated: 01/30/2015 10:07 PM



Felicia Marcus gets in the shower when it's still cold.

As full-time chair of California's State Water Resources Control Board, Marcus has a key role in how California stewards its finite resources during a devastating drought. So Marcus can hardly let precious water wash down the drain while she waits for the shower to heat up.

"Just using less and using it more wisely is No. 1," Marcus said of her agency's goals. "We've had the luxury of it just coming out of the tap – if you step back, it's a miracle of civilization that we can have water as freely and inexpensively available to people that they can take it for granted."

Drought consumes Marcus' life. When she flies to San Diego, she peers out the window to see which lawns are green and which ones have been allowed to fade into yellow and brown. She bristles at restaurants that bring water to diners who haven't requested it.

Related

Sierra snowpack dismal for January; fourth year of drought looks likely
(<http://www.sacbee.com/news/local/environment/article8580011.html>)

Five straight years of disappointing January rainfall in Sacramento
(<http://www.sacbee.com/news/local/article8446458.html>)

“Folks in large urban communities are hundreds of miles away from where the water comes from, so they don’t see what’s happening,” Marcus said. “There are people who are bathing out of buckets. There are people who are having to go to a community center to take a shower. There are farmers who are losing everything. There are farmworkers out of work.”

The prospect of significant relief gleamed briefly in December. Storms swept over the state, swelling rivers and forcing the Department of Water Resources to activate its flood-response center in what director Mark Cowin called “a hopeful moment.”

Then it barely rained in January. Record-low precipitation offered the latest indication that the drought will persist, further straining water supplies that have already dwindled sharply over the last few years.

A fourth year of drought means another year of crisis management for the constellation of agencies that manage California’s water. Marcus’ agency will have a pivotal role in much of it.

Gov. Jerry Brown appointed Marcus to her position in 2012, punctuating a career that has spanned public administration overseeing the Los Angeles Board of Public Works, environmental activism for groups like the Natural Resources Defense Council, and air quality and water regulation for the Environmental Protection Agency in the Clinton administration. As a young environmentalist, she co-founded Heal the Bay, which fought ongoing pollution in Santa Monica Bay.

More recently, she has played the intermediary’s role she describes as “environmental therapist.”

“I’ve been lucky to have this experience of sitting in multiple chairs, having been a litigator, an environmental activist – community organizer, really – and running a public works department where you’re dealing with a river of human waste coming at you 24 hours a day and the garbage needs to be picked up,” Marcus said.

Her board sets water-quality rules that help determine how much water can be delivered through the massive State Water Project, influence how much comes out of the tap in small, parched communities and shape whether technologies are cost-effective. It works to streamline permits and allocate money for drinking water and new infrastructure. It manages water rights, which lately has meant immense cutbacks. In 2013, the board issued zero “water rights curtailment” notices. In 2014, the number was 9,463.

It must consider the needs of urban users, of farmers, of disadvantaged small towns, of fish reliant on flows of fresh water – what Marcus describes as “a terrible, Solomonic set of choices.”

“People need fish, they need agriculture, they need to eat,” Marcus said. “Our task, unenviable though it may be, is to strike the balance that honors all users.”

Inevitably, that balancing act generates conflict. People petitioning the water board to relax standards and thereby free up more water for themselves had been a rarity, Marcus said. Now it is commonplace.

“Individual water users or agencies that have had very reliable water supplies are shocked when they realize they aren't going to receive water or very limited water, or that the state board is going to curtail their water rights,” Cowin said. “There's a period of unacceptance.”

Last year, acting on Brown's executive order to craft new drought regulations, the board declared wasting water a criminal infraction potentially carrying a \$500 fine. The water board also ordered urban suppliers to restrict outdoor watering and to report on how much water they use, a requirement that Marcus said motivated agencies hoping to avoid being publicly outed for wastefulness.

Despite the unprecedented scope of restrictions that Association of California Water Agencies executive director Tim Quinn said “would normally have been ferociously opposed,” water importers followed the board's lead. Quinn credited the government's work – including that of Marcus, whom he first met when she was “a fire-breathing young dragon of an attorney” with Heal the Bay.

“I have worked with every administration going back to (Gov. George) Deukmejian,” Quinn said. “I've never had a better administration to work with until this now, and Felicia Marcus would be high up on my list of people who make this administration as good as it is.”

Marcus understands viscerally the dire consequences of a sustained drought. She has traveled the state and seen fallowed fields. She has heard from representatives of communities bereft of drinking water.

And yet she projects optimism that the severity of the drought will prod people into longer-term plans that will make the state's water management smarter and more resilient. She calls it “hopefulness in the long term, frustration in the short term,” and added, “This year is going to kind of be an amazing time for both progress and horror, really.”

There is a phrase Marcus repeats often: “Belts, suspenders, flying monkeys.” It encapsulates the all-of-the-above approach she deems crucial to California's ability to provide enough water, not just in 2015 but in future decades when the state will teem with millions more residents and the challenges of climate change will likely have intensified.

“We built our infrastructure around a model that over the decades, I think, we can change,” Marcus said.

On a recent morning, Marcus and her colleagues met to discuss the potential of “direct potable reuse” – in more direct terms, finding a way to provide more water by making larger quantities of sewage water drinkable. The State Water Resources Control Board regulates the standards dictating when treated wastewater is fit for human consumption. That affects the cost of treatment, which guides how likely agencies are to invest in the technology.

“A lot of utility people want to get to” more widespread use of recycled wastewater, Marcus said, but that entails a “multi-decade” process. It will require more innovation and shifts in what people can stomach, both literally and figuratively.

“Astronauts drink their own pee and have been for some time, but here you’re drinking someone else’s pee,” she noted, which required a higher level of vigilance. “With public health,” she said, “you want to be conservative.”

Discussing ideas like recycling wastewater, or doing a better job capturing and reusing stormwater, or engineering water systems to better recharge groundwater aquifers, animates Marcus. Everywhere she looks, she sees opportunities for California to better manage water. And this drought, painful though it has been, provides an incentive to improve.

“There’s just so much waste in the system now,” Marcus said. “People are willing to talk about it because they’re talking about the reality of more frequent water shortages.”

Call Jeremy B. White, Bee Capitol Bureau, (916) 326-5543.

Felicia Marcus

Age: 59, born in Los Angeles.

Education: Harvard College 1977, East Asian Studies; New York University School of Law, JD 1983.

Experience: California Water Resources Control Board, chairwoman, 2012-present; Natural Resources Defense Council, western director, 2008-2012; Trust for Public Land, chief operating officer, 2001-2008; U.S. Environmental Protection Agency, regional administrator, 1993-2001; City of Los Angeles Board of Public Works, 1989-93.

Longtime lawmaker Don Clausen dies at 91

BY GUY KOVNER THE PRESS DEMOCRAT on February 9, 2015, 9:37PM02/09/2015 Updated 1 minutes ago.

Don Clausen, an affable Republican and well-connected legislator who represented the North Coast in Congress for 20 years, securing funding to help to build major public works projects including the Warm Springs Dam at Lake Sonoma, died Saturday at a Fortuna hospital. He was 91.

A World War II veteran with business and family roots in Humboldt and Del Norte counties, Clausen thrived politically for two decades on personal charm — slapping men on the back and kissing women's hands — and cultivating votes among the Democratic majority in his district stretching from Marin County to the Oregon border.

His House tenure ran from 1963 to 1983, when changing demographics and more liberal attitudes in the coastal district, plus a more formidable opponent, cost him his seat.

But as a moderate Republican, he nevertheless excelled as a dealmaker in his day, cultivating bipartisan connections and delivering federal projects to constituents back home.

The fish hatchery at Warm Springs Dam, the Highway 101 overpass in Rohnert Park, the Crescent City Airport terminal and the 17-mile Highway 101 bypass around Redwood National Park bear his name. Establishing the Lady Bird Johnson Grove in the park's towering redwoods was Clausen's fondest achievement.

"Don came from an era when a member of Congress' main purpose was to bring home the bacon, and indeed he did that. He was a provider," said Douglas Bosco, a Santa Rosa attorney who defeated Clausen in 1982. Bosco is a principal in Sonoma Media Investments, which owns The Press Democrat.

Clausen would consult with local leaders throughout his district to compile a wish list, then return to Washington seeking to fulfill it. As a member of the minority party, he then had to cut deals to win appropriations for North Coast projects.

"There was no alternative (to bipartisanship)," Clausen said in a 2013 interview, recalling a more collegial body than today's Congress, gridlocked by partisan strife.

Clausen, who suffered from diabetes, dementia and heart, lung and kidney ailments, moved from Santa Rosa, where he had lived since 1990, to a nursing home in Fortuna in 2012. For the past month, he lived at the Clausen family home in Ferndale with his daughter, Dawn Marie Baumgartner, and her husband, Jim.

One key to his success as a legislator was a close relationship with Rep. Harold "Bizz" Johnson, a Democrat from Roseville who chaired the House Public Works and Transportation Committee.

He was a strong supporter of Warm Springs Dam, a \$330 million project to impound two Russian River tributaries and create Lake Sonoma. The reservoir proposal aroused opposition from environmentalists but enjoyed backing from business groups and survived two tests at the ballot box. The water supply has enabled extensive urban and agricultural development in Sonoma County.

Born and raised in Ferndale, a small town in the verdant Eel River Valley, Donald Holst Clausen was an honors student, a letterman in tennis, track, basketball, football and baseball and a drum major in the Ferndale High School band, graduating in 1940. He served as a Navy aircraft carrier pilot in the South Pacific during World War II from 1944-45 and returned to the North Coast, establishing an insurance agency and an air ambulance service in Crescent City, the Del Norte County seat.

He met the former Jessie Oleva Piper, a waitress at the Hi-Ho ice cream shop in Crescent City, in 1948. They married the following year, and Ollie became a pilot and a congressman's wife, hosting Hollywood stars and political leaders and compiling a paperback cookbook of family recipes.

Clausen entered politics in 1955, when he was elected to the Del Norte Board of Supervisors. In 1962, he lost a bid for Congress to Clem Miller of Marin County, a popular Democratic incumbent who died in a plane crash a month before the election. Clausen won a subsequent special election to fill the vacancy created by Miller's death.

The district had a Democratic majority throughout his two-decade tenure, and Clausen said he survived by campaigning hard for Democratic votes and assuming he had Republicans in his corner. But by 1982, the GOP's dwindling share of registered voters, combined with a nagging recession and growing dissatisfaction with Republican policies, eroded Clausen's popularity.

The battle over PG&E's proposed nuclear plant at Bodega Bay and rampant logging of the North Coast's redwood forests were also key issues for an emerging environmental movement that sharpened the contrasts between the political left and right.

"Times changed; more liberal people moved into the district," said Bosco, who served two terms in the state Assembly before challenging Clausen and beating him by 6,000 votes in 1982.

"The really happy man is the one who can enjoy the scenery when he has to make a detour," Clausen told friends in the banquet room of a Santa Rosa hotel on election night.

Before leaving Congress, Clausen secured a job with the Federal Aviation Administration in Washington, D.C., where he worked for seven years before returning to Santa Rosa.

In the 2013 interview, the man who served in Congress under six presidents and who admired Ronald Reagan the most said he would not do anything different if he were to live life again.

"I had a good run," Clausen said, sitting in his room filled with mementos and photos from his career, including a painting of his wife Ollie. She died in July 2012 and Clausen wasn't the same since her death, Jim Baumgartner said.

His only complaint in the 2013 interview, however, was the loss of memory stemming from two falls that injured his head. "I don't feel like I'm as sharp as I used to be, by a damn sight," he said.

Survivors, in addition to his daughter Dawn Marie Baumgartner, include daughter Bev Mendenhall of Keens, Texas, four grandchildren and four great-grandchildren.

A memorial service will be held at 2:30 p.m. March 6 at the River Lodge in Fortuna, with a private burial the next day at the Ferndale Cemetery.

You can reach Staff Writer Guy Kovner at 521-5457 or guy.kovner@pressdemocrat.com.

BOD MISC

Bill to improve Lake Mendocino operations introduced again

By Justine Frederiksen , Ukiah Daily Journal

UkiahDailyJournal.com

Legislation designed to change how Coyote Valley dam is operated by the U.S. Army Corps of Engineers was reintroduced this week by Rep. Jared Huffman (D- San Rafael).

"Reservoir operations should be based on modern science and weather forecasts, not antiquated rulebooks," said Huffman, whose bill is called the Fixing Operations of Reservoirs to Encompass Climatic and Atmospheric Science Trends Act, or FORECAST Act.

Currently, the Sonoma County Water Agency controls releases from the dam, but once the amount of water in Lake Mendocino reaches 68,410 acre-feet, the Corps will take over. As of noon Tuesday, the lake was at 66,006 acre-feet.

"The Corps' No. 1 priority is public safety and minimizing flood damage," said Janet Pauli, chairwoman of the Mendocino County Inland Water and Power Commission, explaining that the lake was designed as a flood-control measure, not as a way of storing water for the county's residents and agricultural industry.

"This weekend, an atmospheric river finally brought much-needed rain to California and the North Coast. But because the Army Corps of Engineers relies on obsolete, 60-year-old manuals to govern its operation of reservoirs, this rainstorm may still force releases of reservoir water at Lake Mendocino and Lake Sonoma that we need to make it through the next drought year," Huffman said, explaining that the Corps "operates many of its reservoirs, which are critical for the water supply of cities and towns throughout the country, on outdated and obsolete water control manuals, some of which are as much as 60 years old."

The bill Huffman introduced would help the Corps update these manuals based on the latest atmospheric science and weather forecasting.

"When the reservoir was built, the (Corps) developed the existing manual using the best technology of the time, (but) computers and satellites were still in their infancy," said Sean White, director of the Russian River Flood Control and Water Conservation Improvement District. "Since that time, these technologies have been utilized to improve nearly every aspect of modern society. It's time to add our most precious resource, water, to that list."

Advertisement

The FORECAST Act allows for local entities to request that the Corps review its water operations manual, in a process such as this:

- A local sponsor, like the Sonoma County Water Agency, requests that the Army Corps conducts a study of a reservoir and its water manual.

- The Corps works with the National Oceanic and Atmospheric Agency to analyze the latest and best science for understanding forecasting for flood and runoff.
- With this information, the Corps can determine if there are better ways to operate the reservoir to meet important needs like expanded water storage, better flood control, or improved conservation efforts.
- The Corps will then implement the new updated water manual based on its usual review process.

Huffman was recently named Ranking Member of the newly-created House Natural Resources Subcommittee on Water, Power and Oceans. The Subcommittee is responsible for matters concerning America's water resources, federal irrigation projects, generation of electric power from federal water projects and interstate water issues. He also serves on the Water Resources and Environment Subcommittee of the Transportation & Infrastructure Committee.

Pauli said last week that she feels there is renewed hope for another improvement involving Lake Mendocino, which is the possibility of raising the dam by 36 feet, which would double its storage capacity. Before that happens, Pauli said the USACE needs to complete a feasibility study, which will cost millions of dollars and require a local match of likely \$1.5 million. She said she hopes local officials can garner support from state and federal representatives to make sure the study finally launches.

Paul Arden, Huffman's spokesman, said Tuesday that his office is definitely aware of the push to raise the dam and plans to do all it can to support those efforts.

Justine Frederiksen is the UDJ's senior writer. An experienced reporter, she covers the City of Ukiah including the police and fire beat, as well as education, environment, water and much more. Reach the author at udjif@ukiahdj.com or follow Justine on Twitter: [@JustFrederiksen](https://twitter.com/JustFrederiksen).

- Full bio and more articles by Justine Frederiksen
- Back to top

Feds OK extra storage at rising Lake Mendocino

BY GUY KOVNER THE PRESS DEMOCRAT on February 11, 2015, 8:09PM02/11/2015 Updated 1 hour ago.

Russian River water managers and consumers they serve in Mendocino, Sonoma and Marin counties got a break Wednesday from the prospect of watching precious water flow to the ocean from the rapidly filling Lake Mendocino reservoir near Ukiah.

Raised to more than 97 percent of storage capacity by last weekend's deluge, the reservoir was on the verge of crossing a threshold that would require the Army Corps of Engineers, which operates Lake Mendocino's Coyote Dam, to begin releasing water in an effort to preserve the reservoir's ability to prevent flooding in the event of another major storm.

The last time that happened was in December 2012, when a multi-day downpour brought the reservoir to the 94,000-acre-foot level, cutting deeply into the flood protection pool that tops out at 116,500 acre-feet.

Unfortunately, there were no major storms for the next five months, deepening a statewide drought now entering its fourth year.

During the drought, the Army Corps has been trapped in an uncertain game each rainy season, attempting to balance the conflicting goals of impounding enough water in reservoirs to get through another hot, dry summer without jeopardizing the capacity to prevent springtime flooding should the storm doors swing wide open.

It's a tricky proposition, said Jay Jasperse, Sonoma County Water Agency's chief engineer, because "everybody knows we have pretty variable weather here."

It's also a game that local water managers and Rep. Jared Huffman, D-San Rafael, hope to improve by overhauling the Army Corps' rule book.

Two weeks into February, the stakes are as high as they get in the North Bay.

On Wednesday, Lake Mendocino was at 66,551 acre-feet : Just shy of the 68,400-acre-foot threshold that would, under the Army Corps' operations manual for the lake, trigger mandatory releases from Coyote Dam.

The lake had gained 8,000 acre-feet of water since Friday and had a "good chance" of surpassing the threshold with continued runoff from the weekend storm, Jasperse said.

In Ukiah, Sean White, general manager of the Russian River Flood Control and Water Conservation Improvement District, was bracing for a repeat of 2012, when about 24,000 acre-feet of water was released from Lake Mendocino. An acre foot is 325,851 gallons and is generally described as enough water to sustain a family of four for a year.

Relief came Wednesday in the form of an email from the Army Corps' San Francisco District office advising White that the "minor deviation" he had sought from the Lake Mendocino operations plan had been approved, allowing the reservoir to store an additional 5,825 acre-feet of water.

“It’s smaller than I wanted but it’s not peanuts either,” White said. “I’ll take that all day long.”

The Corps rebuffed his request last year for a 17,000-acre-foot deviation, but said a smaller one could be considered, White said.

The deviation means Lake Mendocino can impound up to 74,200 acre-feet of water without triggering a release, he said. The extra 5,800 acre-feet is about what his water district customers from Redwood Valley south to Hopland used last year while conserving “like crazy,” White said.

The Ukiah-based district holds the rights to 8,000 acre-feet of water in Lake Mendocino.

Meanwhile, the tight limit on Lake Mendocino’s water supply pool will ease in just 16 days.

Starting March 1, the threshold for mandatory water releases — known as the “rule curve” — starts increasing by 600 acre-feet per day, boosting the threshold to 111,000 acre-feet in May and holding it there until October.

Hence, the best case scenario would be a wet month of March, Jasperse said.

Lake Sonoma, about four times larger than Lake Mendocino, held 213,629 acre-feet of water Wednesday, at 87 percent of capacity and comfortably below the release threshold at 245,000 acre-feet, officials said.

The Sonoma County Water Agency draws water from both reservoirs to supply 600,000 customers in Sonoma and Marin counties. In the fall, releases from Lake Mendocino not only satisfy human needs but also provide cool water for endangered fish in the Russian River.

Both local water agencies are backing Huffman’s bill, nicknamed the FORECAST Act, which would update the Army Corps’ 60-year-old operations manual for Lake Mendocino with a dose of modern meteorological science.

The revision would prevent “the untimely and wasteful release of water” that can be dictated by the current rigid rules, Huffman said. His bill would require the Corps to consider revising the operations plan by incorporating satellite weather data from the National Oceanic and Atmospheric Administration regarding the prospects for heavy rain.

Satellite data can’t say exactly when a so-called atmospheric river will arrive, but it can reliably indicate when there isn’t one “on the horizon,” avoiding unnecessary releases of stored water, Huffman said.

The North Coast congressman announced Tuesday that he had reintroduced the bill, which he offered last year. As ranking Democrat on the House Natural Resources Subcommittee on Water, Power and Oceans, Huffman said he will “do everything I can” to get the bill to a vote.

Mike Dillabough, chief of the operations and readiness division for the Army Corps’ San Francisco District, said he can’t express an opinion on Huffman’s bill. But, he said, the Corps is already considering how it might make use of the weather data, while NOAA is assessing the accuracy of its atmospheric river forecasts.

Reservoir operating standards require data that is “highly reliable,” Dillabough said. “The last thing you’d want to do,” he said, is get caught by a storm that pushes water over the top of a dam.

In February 2006, a storm swelled Lake Mendocino from about the level it's at today to around 114,000 acre-feet, bringing water uncomfortably close to the spillway that handles an overflow, Dillabough said.

It takes about two days to release 10,000 acre-feet of water from Lake Mendocino, maintaining flow rates that don't cause damage downstream on the Russian River, he said.

Given the water storage deviation approved Wednesday, he said there probably won't be any flood control releases from Lake Mendocino this season — barring another major storm or two.

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Russian River water managers and consumers they serve in Mendocino, Sonoma and Marin counties got a break Wednesday from the prospect of watching precious water flow to the ocean from the rapidly filling Lake Mendocino reservoir near Ukiah.

Raised to more than 97 percent of storage capacity by last weekend's deluge, the reservoir was on the verge of crossing a threshold that would require the Army Corps of Engineers, which operates Lake Mendocino's Coyote Dam, to begin releasing water in an effort to preserve the reservoir's ability to prevent flooding in the event of another major storm.

The last time that happened was in December 2012, when a multi-day downpour brought the reservoir to the 94,000-acre-foot level, cutting deeply into the flood protection pool that tops out at 116,500 acre-feet.

Unfortunately, there were no major storms for the next five months, deepening a statewide drought now entering its fourth year.

During the drought, the Army Corps has been trapped in an uncertain game each rainy season, attempting to balance the conflicting goals of impounding enough water in reservoirs to get through another hot, dry summer without jeopardizing the capacity to prevent springtime flooding should the storm doors swing wide open.

It's a tricky proposition, said Jay Jasperse, Sonoma County Water Agency's chief engineer, because "everybody knows we have pretty variable weather here."

It's also a game that local water managers and Rep. Jared Huffman, D-San Rafael, hope to improve by overhauling the Army Corps' rule book.

Two weeks into February, the stakes are as high as they get in the North Bay.

On Wednesday, Lake Mendocino was at 66,551 acre-feet: Just shy of the 68,400-acre-foot threshold that would, under the Army Corps' operations manual for the lake, trigger mandatory releases from Coyote Dam.

The lake had gained 8,000 acre-feet of water since Friday and had a "good chance" of surpassing the threshold with continued runoff from the weekend storm, Jasperse said.

In Ukiah, Sean White, general manager of the Russian River Flood Control and Water Conservation Improvement District, was bracing for a repeat of 2012, when about 24,000 acre-feet of water was released from Lake Mendocino. An acre foot is 325,851 gallons and is generally described as enough water to sustain a