



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
 March 4, 2014 – 7:30 p.m.
 District Headquarters
 999 Rush Creek Place
 Novato, California

Information about and copies of supporting materials on agenda items are available for public review at 999 Rush Creek Place, Novato, at the Reception Desk, or by calling the District Secretary at (415) 897-4133. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.

Est. Time	Item	Subject
7:30 p.m.	CALL TO ORDER	
	1.	APPROVE MINUTES FROM REGULAR MEETING , February 18, 2014
	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
	CONSENT CALENDAR	
		The General Manager has reviewed the following items. To his knowledge, there is no opposition to the action. The items can be acted on in one consolidated motion as recommended or may be removed from the Consent Calendar and separately considered at the request of any person.
	5.	Consent – Approve Ultra High Efficiency Toilet Distribution Program
	ACTION CALENDAR	
	6.	Approve: Set Public Hearing to Consider Declaration of a Water Shortage Emergency Adopt Water Shortage Contingency Measures in the Novato and West Marin Service Area and Consider Endorsing the WAC Resolution Supporting Sonoma Marin Saving Water Partnership Efforts and Governor Jerry Brown's Emergency Drought Declaration
	7.	Approve: Emergency Inverness Intertie and Cooperative Services Agreement
8:00 p.m.	INFORMATION ITEMS	
	8.	MSN B1 – Final Report (Harris & Associates)
	9.	Consider Drought Surcharge Options
	10.	Draft Board Workshop Summary
	11.	TAC Meeting – March 3, 2014
	12.	MISCELLANEOUS
		Disbursements
		Direct Deposit of Disbursements

All times are approximate and for reference only.

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

(Continued)

Est. Time	Item	Subject
		Baywork Signatory Press Release – Dry Year Conditions on Lagunitas Creek for NMWD
		<u>News Articles:</u> Bakersfield Public works chief named to head Marin County Department Nicasio Community Water Meeting Environmentalists warning irks grape growers Reflecting upon an epic year North Marin Water District awarded \$1.486M for West Marin Pipeline Nicasio seeking crisis water Committees approve \$687 million in drought relief Marin coalition will hold luncheon in San Rafael
9:00 p.m.	13.	<i>ADJOURNMENT</i>

1

1
2
3
4
5

DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
February 18, 2014

6 **CALL TO ORDER**

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

12 District employees Pablo Ramudo (Water Quality Supervisor), Robert Clark
13 (Operations/Maintenance Superintendent), and Tony Arendell (Construction/Maintenance
14 Superintendent) were in the audience.

15 **MINUTES**

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

18 **GENERAL MANAGER'S REPORT**

19 Mr. DeGabriele informed the Board that the SMART rail work on Rush Creek Place and
20 Golden Gate Place will begin early next month. He advised the Board that he will be meeting with
21 the SMART train staff this Friday.

22 **OPEN TIME**

23 President Rodoni asked if anyone in the audience wished to bring up an item not on the
24 agenda and there was no response

25 **STAFF / DIRECTORS' REPORTS**

26 President Rodoni asked if staff or Directors wished to bring up an item not on the agenda
27 and the following was discussed:

28 District Secretary, Katie Young, provided the Board and staff with some helpful tips in
29 regards to the iAnnotate program that is being used on iPad's to view the board agenda packets.

30 **MONTHLY PROGRESS REPORT**

31 Mr. DeGabriele provided the Monthly Progress Report for January. He stated that in Novato
32 and West Marin water consumption was significantly higher than the previous year. He noted that

1 there was some Recycled Water production in the South Service area through the month of
2 January. Mr. DeGabriele advised the Board that in Oceana Marin the treatment and storage ponds
3 were in good shape and the effluent flow volume was low. He informed the Board that staff has
4 worked over 235 days without lost time and that the Summary of Complaints and Service Orders
5 were up 44% for the month due to leaks and high bill complaints but were down 17% for the year.

6 Mr. Bentley provided the Monthly Report of Investments advising the Board that the cash
7 balance is \$16.3M at the end of January and that the weighted portfolio interest earning rate was 0.
8 35%.

9 **CONSENT CALENDAR**

10 On the motion of Director Petterle, seconded by Director Fraites and unanimously carried,
11 the following item was approved on the consent calendar:

12 **EMPLOYEE HANDBOOK FEBRUARY 2014 REVISION AND NEW SUPERVISOR HANDBOOK**

13 The Board approved the revised Employee Handbook and a new Supervisor Handbook.
14 The handbooks include provisions from the most recent Memorandum of Understanding with the
15 NMWD Employee Association.

16 **ACTION CALENDAR**

17 **AEEP REACHES A-D/MSN B3 PROJECT: AWARD CONSTRUCTION CONTRACT TO GHILOTTI**
18 **CONSTRUCTION**

19 Mr. DeGabriele reminded the Board that staff advertised for bids for the AEEP Reaches A-
20 D/MSN B3 Project beginning on December 9, 2013. He stated that staff received four bids and the
21 lowest bid was \$12.3M, over 19% below the engineer's cost estimate. He noted that the bids were
22 reviewed by staff and CSW, and that Ghilotti Construction was determined to be the lowest
23 responsive bid.

24 Director Baker commended Mr. McIntyre and CSW on the project bid results and was
25 pleased to see that Ghilotti Construction was the contractor to be awarded the work.

26 On motion of Director Baker, seconded by Director Schoonover and unanimously carried the
27 Board awarded the AEEP Reaches A-D/MSN B3 Project construction contract to Ghilotti
28 Construction Company and authorized the General Manager to execute an agreement with Ghilotti
29 Construction Company in the amount of \$12,275,517 plus a contingency of \$615,000.

1 **UTILITY AGREEMENT BETWEEN THE STATE OF CALIFORNIA AND NORTH MARIN WATER**
2 **DISTRICT FOR CALTRANS' MSN B3 AND NMWD'S AEEP REACH A-D PROJECTS**

3 Mr. DeGabriele informed the Board that the Utility Agreement with the State of California
4 CalTrans is to enable CalTrans to pay for the relocation of the North Marin Aqueduct. He noted that
5 the District is paying for the new pipeline reaches and the upsizing of the existing pipeline but
6 CalTrans will be paying for 90% of that relocation cost. Mr. DeGabriele advised the Board that legal
7 counsel from the District and CalTrans have been involved and that the agreement defines the roles
8 and responsibilities of both the District and CalTrans.

9 On motion of Director Schoonover, seconded by Director Baker and unanimously carried,
10 the Board authorized the General Manager to execute Utility Agreement No. 1780.1.

11 **INFORMATION ITEMS**

12 **PREPARING FOR DRY YEAR CONDITIONS**

13 Mr. DeGabriele reviewed an update on preparing for dry year conditions. He informed the
14 Board that rainfall from February 1st through February 10th in Novato totaled just over 4" but was
15 higher in both Southern Marin County and in the Sonoma/Mendocino County regions, adding
16 storage to reservoirs there.

17 Mr. DeGabriele informed the Board that he attended a meeting today with agricultural folks,
18 Supervisor Kinsey and the County agricultural advisor, along with staff from USDA who shared
19 information about what has been done to date with the drought and what tools are available for
20 ranchers. He noted that the biggest challenge is not having enough feed for the stock and ranchers
21 risking organic certification for cattle and/or dairy products. Mr. DeGabriele advised the Board that
22 he will be attending another meeting next week with Sonoma County and Marin County Board of
23 Supervisors and MMWD General Manager, Krishna Kumar, to discuss the ranchers challenge. Mr.
24 DeGabriele informed the Board that Mr. Kumar informed him that MMWD believes it will not need
25 all of the water that is being back fed into Stafford Lake and that water could be a source to offer for
26 hauling to agricultural uses. He noted that MMWD will pay for it and can work out the arrangement
27 with the ranchers and/or County of Marin.

28 Mr. DeGabriele advised the Board that it appears that there is money available with drought
29 declaration through the USDA to help reimburse for hauling. Mr. DeGabriele advised the Board that
30 in West Marin there is one hauler working now, hauling water to Nicasio residents and ranchers. He
31 stated that he is allowing the hauling to occur until April 1st when the voluntary restrictions are likely
32 to be put into place.

1 Mr. DeGabriele stated that it has been mentioned to look at Recycled Water for stock
2 watering but the Food and Agricultural code identifies that water must be free of pathogens from
3 bacteria and Recycled Water is not free of pathogens. He noted that Assemblyman Levine has
4 called a meeting of the assembly subcommittee on use of Recycled Water for stock watering in
5 Petaluma next Thursday and he has been asked to attend.

6 Mr. DeGabriele stated that in West Marin, dry year conditions continue on Lagunitas Creek
7 and the additional rainfall has aided Marin Municipal's water storage. He informed the Board that
8 should dry year conditions continue, on April 1st the District will request voluntary restrictions with
9 mandatory requirements likely on July 1st.

10 Mr. DeGabriele stated that 220AF of Russian River water has been back fed into Stafford
11 Lake and that the lake now holds 1,838 AF of water, about 44% of capacity. He informed the Board
12 that Lake Mendocino is at 28,000AF, Lake Sonoma is at 166,000AF, and Lake Pillsbury is at
13 18,000AF.

14 Mr. DeGabriele informed the Board that he will come back at the next meeting with some
15 recommendations and/or a timeline for the District regarding a water shortage declaration. He stated
16 that he would like to have more discussions with Sonoma County Water Agency before coming back
17 to the Board with a recommendation. Mr. DeGabriele advised that he does not believe mandatory
18 requirements will be needed but would like to have a plan in place to be ready.

19 Mr. DeGabriele informed the Board that on Wednesday he will be interviewed by KWMR, a
20 West Marin radio station about drought planning and that on March 5th he will be speaking to the
21 Marin Collation regarding the drought.

22 President Rodoni asked if Marin Municipal will have a mandatory restrictions and Mr.
23 DeGabriele stated that he believes they will not and that they have a 25% voluntary reduction in
24 place currently.

25 President Rodoni asked if the District has adopted the Resolution prepared by the Sonoma
26 Marin Saving Water Partnership supporting the 20% voluntary reduction and Mr. DeGabriele said
27 not yet. President Rodoni stated that it is important that the Board pass the resolution before the
28 next WAC/TAC meeting.

29 President Rodoni asked if Marin Municipal will discontinue back feeding into Stafford Lake
30 and how the District plans on explaining the back feeding operation to Novato customers. Mr.

1 DeGabriele responded that the back feeding is not really impacting Novato customers because
2 Marin Municipal will continue to pay for it and that no more than 500AF would be back fed.

3 **RATE INCREASE CONSIDERATIONS**

4 David Bentley reviewed possible rate increase considerations with the Board. He informed
5 the Board that the District needs to begin formulating a rate increase letter to customers to be post-
6 marked no later than April 5, 2014. He noted that with the uncertainty surrounding implications of the
7 drought, staff recommends the letter include information about a proposed regular rate increase, as
8 well as a worst case scenario that assumes mandatory rationing is required necessitating a drought
9 surcharge.

10 Mr. Bentley stated that at the Board Workshop staff presented the Novato Potable Water
11 System 5-year Financial Plan dashboard to assess the District's progress towards its goal of
12 rebuilding reserves to 90% of annual operating expense. He informed the Board that the number
13 one complaint to the billing department is the amount of the bi-monthly service charge. He
14 recommended that the Board continue with the existing \$30 service charge for a typical residential
15 meter and propose a 6.5% commodity rate increase, which would generate the 5% revenue
16 increase the District is looking for.

17 Mr. Bentley explained the analysis to develop a drought surcharge. He stated that there are
18 a couple of factors that need to be balanced, the need to manage the revenue loss, the liquidated
19 damages cost for purchased water in excess of the Sonoma County Water Agency Allocation during
20 shortages, the need to send a price signal of the scarcity of water, and protection of customers who
21 already do an admirable job of conserving water.

22 Director Fraites asked what the rationale was for including liquidated damages. Mr.
23 DeGabriele informed the Board that it is the restructured agreement establishes liquidated
24 damages. He noted that when there is a water shortage declared and the agency limits the amount
25 of water that can be diverted to the water contractors, it identifies the amount that each water
26 contractor can take, any amount over that then must pay liquidated damages.

27 President Rodoni asked about the last time there were liquidated damages. Mr. DeGabriele
28 stated that in 2009 liquidated damages were charged but there was not a fair allocation model and
29 the liquidated damages were waived by the WAC.

30 Mr. Bentley stated that he built an interactive model to give the Board an idea of changing
31 the threshold depending on customer use. He informed the Board that if there is a 20% mandatory
32 reduction the District will need to recover \$1.1M through drought surcharges. He advised the Board

1 if the drought surcharge would be equivalent to \$1.00/1,000 gallons of water used they would
2 recover the cost, but only for water users above a minimum threshold. Mr. Bentley and the Board
3 had discussion about where the threshold should be.

4 President Rodoni asked how long the surcharge would be in effect. Mr. DeGabriele stated
5 he was unsure of the duration and that he doesn't believe there will be mandatory restrictions
6 causing a drought surcharge but the District needs to be prepared.

7 President Rodoni asked if the drought surcharge had to go through the public hearing
8 process. Mr. DeGabriele answered yes but that the District could rescind the surcharge when
9 appropriate.

10 President Rodoni suggested that the District should let customers know that it is a short term
11 surcharge and make it look more rewarding for those who are already conserving.

12 Director Fraites stated that he liked the process and it lets the customers know that the
13 District is serious and that customers better start conserving and paying attention to their water use.

14 Director Petterle asked if the consumption curve included the voluntary or mandatory
15 rationing. Mr. Bentley stated that it was based on the 2013 actual use.

16 Mr. DeGabriele stated that staff is not asking for a decision now but wanted to get a general
17 consensus from the Board for the 6.5% rate increase and no increase to the fixed charge. He stated
18 that the Board could come back at the next meeting and discuss the threshold for the drought
19 surcharge.

20 President Rodoni stated that \$1.00/1,000gallons of water used is a good figure.

21 Mr. Bentley stated that for customers using 100,000 gallons a year the surcharge would be
22 \$100 to the customers.

23 Director Baker asked if other water contractors were looking into options for surcharges as
24 well. Mr. DeGabriele stated that he doesn't know of any other contractors from the Sonoma area
25 looking into surcharges but stated that other agencies have different surcharges implemented.

26 President Rodoni stated that if the program does not work, that the District does have cash
27 reserves.

28 Mr. DeGabriele stated that the District does not implement mandatory requirements and may
29 have to use some reserve to back stop lost revenue from voluntary conservation. He believes the
30 District will ask for a 20% voluntary reduction.

1 **2014 URBAN WATER COST COMPARISON**

2 Mr. Bentley provided the Board with the Urban Area Water Cost Comparison update. He
3 stated that out of 17 agencies, the District is ranked #10. He noted that the District is 1% below the
4 median for typical single family residents. Mr. Bentley reminded the Board that Novato customers
5 pay \$656 each year for 107,600 gallons used.

6 **MID YEAR OPERATIONS/MAINTENANCE, 2013/14 UPDATE**

7 Robert Clark provided the midyear Operations/Maintenance 2013/14 update to the Board.
8 He stated that staff is currently working on improving safety and communication is key. He stated
9 that the safety committee is looking to change the incentive program and will be discussing this with
10 all employees. He advised the Board that staff members are working with Marin County and City of
11 Novato for emergency disaster training.

12 Mr. Clark stated that Stafford Treatment Plant was ready to go to during aqueduct shut
13 downs due to the Aqueduct Energy Efficiency Project and that employees did a great job getting the
14 maintenance completed in time. He stated that the average annual production was almost reached
15 in January.

16 Mr. Clark informed the Board that in the Maintenance Department the electrical/mechanical
17 staff installed a set of two new air compressors for Stafford Treatment Plant and spent time working
18 on the telemetering line repairs along the aqueduct. Mr. Clark advised the Board that staff put
19 together a purchase order for the purchase of the new dump truck.

20 Mr. Clark advised the Board that Phillips & Associates continues to perform operations and
21 maintenance tasks in Ocean Marin and he is currently speaking with legal counsel regarding
22 cancelling the agreement with Phillips & Associates. Mr. Clark stated that staff has reviewed the
23 operations and has decided that Phillips & Associates is no longer doing an efficient job maintaining
24 the facilities nor responding to emergency call outs and that staff could perform the tasks that need
25 to be done.

26 Director Baker asked that Mr. Clark provide a history for Phillips & Associates. President
27 Rodoni asked if the District had the in house certification to handle the job. Mr. Clark stated that the
28 District has two certified waste water treatment plant operators and will work with the State Regional
29 Board to see how to get others certified.

30 **SECOND QUARTER FY13/14 – WATER QUALITY REPORT**

31 Pablo Ramudo provided the Board with the second quarter FY13/14 Water Quality Report.
32 He stated that Stafford Lake was used intermittently in November and December due to the taste

1 and odor in the lake from algae. He noted that the lake had seen a huge bloom of blue green algae
2 and staff is speaking with consultants trying to figure out a way to control the algae.

3 Mr. Ramudo stated that that of the 252 samples collected for compliance there were no
4 positive coliform samples. He stated that disinfection by-products were very low for the quarter.

5 Mr. Ramudo informed the Board that water quality parameters in West Marin affected by salt
6 water intrusion rose during the quarter but were just below notification level. He noted that Bromide
7 went up along with disinfection by-products. Mr. Ramudo informed the Board that the District has
8 been on an increase monitoring schedule for 3 years and is now back down to the regular
9 monitoring schedule for disinfection by-products. Mr. Ramudo advised the Board that the Deer
10 Island Recycled Water Plant did not produce water during the quarter but staff did take samples
11 looking at the hardness and the salt levels requested by customers.

12 Mr. Ramudo advised the Board that he will be attending the State Water Quality Control
13 Board meeting in order to comment on the proposed permit for potable water discharges. He noted
14 that he will be making comments during open time and will keep the Board informed of the outcome.

15 Director Fraites asked what the cause of the lake algae was. Mr. Ramudo stated that there
16 are a lot of nutrients in the raw water and staff added an aeration system to take care of the oxygen
17 levels in the lake, which started taking metals out of the system and caused discoloration of water
18 and the combination of these factors fueled algae production. He noted that the District is not exactly
19 clear but is making changes and speaking with consultants on how to treat the water. Mr. Ramudo
20 stated that there has been discussion about working with the dairy to diminish nutrients into the lake
21 and hopes that it removes some of the taste and odor issues.

22 President Rodoni stated that the District needs to look at the cost of having the dairy on the
23 watershed.

24 **SCWA UPDATED WATER SHORTAGE ALLOCATION MODEL**

25 Mr. DeGabriele provided the Board with a presentation on the updated water shortage
26 allocation model from the Sonoma County Water Agency. He stated that the Technical Advisory
27 Committee has been working with SCWA and its consultants since September 2012 on the
28 allocation model. He informed the Board that the model is divided into two components: 1) for
29 annual shortage, and 2) for peak or monthly shortage.

1 Mr. DeGabriele advised the Board that the Water Advisory Committee will again consider
2 accepting the model at its April 7th meeting and that he recommends the District's WAC
3 representative to vote in favor of accepting the updated water shortage allocation methodology.

4 **PROPOSED FY15 SCWA BUDGET**

5 Mr. Bentley reviewed the Proposed FY15 SCWA budget with the Board which would
6 increase the District's rate for purchased water by 3.4%.

7 **MISCELLANEOUS**

8 The Board received the following miscellaneous information: Disbursements, 2014 Flushing
9 Program Update, Service Charge Analysis, Letter to Beverly James re: Recycled Water
10 Commitment, and Press Release re: Gallagher Well Grant.

11 The Board also received the following news articles: Emphatically No!, Novato to store water
12 for the rest of Marin to maximize supplies in dry year, Marin Voice: Time for Marin to reconsider
13 desal? and Novato residents asked to cut water use by 20 percent.

14 Mr. DeGabriele advised the Board that the letter to Beverly James, General Manager at
15 Novato Sanitary District, was to confirm the District's continued membership in the NBWRA beyond
16 Phase 1, as an associate. He also informed the Board that Ms. James will be retiring on April 1st.

17 **ADJOURNMENT**

18 President Rodoni adjourned the meeting at 9:42 p.m.

19 Submitted by
20
21
22
23 Katie Young
24 District Secretary

2

3

4

5

MEMORANDUM

To: Board of Directors
 From: Ryan Grisso, Water Conservation Coordinator *RG*
 Subject: Ultra High Efficiency Toilet Distribution Program
W:\Memos to Board\Toilet Distribution 2014 V2.doc

February 28, 2014

RECOMMENDED ACTION: Approve Ultra High Efficiency Toilet Distribution Program

FINANCIAL IMPACT: \$60,000 (Included in FY 2013/2014 Budget)

Background

At a previous Board meeting in December 2013, staff was directed to investigate additional water conservation programs promoting further water savings. Water conservation expenditures were expected to be below budget at the end of this fiscal year enabling a mid-year adjustment to expand programs funded by the water conservation budget. At the February 6, 2014 Board meeting, staff presented options for additional program expenditures and summarized the overwhelming customer response to the Pilot Ultra High Efficiency Toilet Distribution Program (Pilot Distribution Program). The Board directed staff to expand the toilet distribution program to accommodate as many customer toilet requests as possible utilizing remaining funds (estimated at \$60,000).

Pilot Distribution Program

The Pilot Distribution Program, approved in January 2014, was comprised of a giveaway of 100 toilets with a follow-up performance and satisfaction survey. The toilets have been purchased, delivered to NMWD and the scheduled Pilot Distribution Program giveaway date is March 6, 2014.

The Niagara Stealth Ultra High Efficiency Toilets (Stealth) were purchased for the Pilot Distribution Program. The Stealth uses 0.8 gallons per flush, have elongated bowls and meets Americans with Disabilities Act (ADA) standards. The Stealth has received excellent performance feedback and can be purchased directly by NMWD through the manufacturer for approximately \$150/toilet. The Pilot Distribution Program provides a free toilet to replace toilets installed prior to the year 2000 (the first year of the NMWD toilet rebate program) within the NMWD service area. All customers who responded were reviewed for eligibility, placed on an interested customer list, and then contacted with the date and time of the distribution. The customers will be provided four weeks to install the toilet and contact NMWD for a post inspection (random inspections will completed).

Future Toilet Distribution

Given the overwhelming customer response to the Pilot Distribution Program, staff recommends that the Board approve additional Ultra High Efficiency Toilet purchases to accommodate the

Approved by GM *LD*

Date *2/28/2014*

customer demand and authorize implementation of a larger scale Ultra High Efficiency Toilet Distribution Program (UHET Distribution Program). Even though the Pilot Distribution has yet to commence, it is important to have the approval and logistics in place for the UHET Distribution Program to be initiated quickly. The estimated remaining budget of \$60,000 (noted in the mid-year report in February 2014) will allow the purchase of an additional 400 Niagara Stealth toilets at \$150/each and should accommodate all requests from the Winter 2014 *Water Line* solicitation.

Staff recommends continued purchase and distribution of 100 toilets at a time, mainly for logistical and dry storage reasons. Distributing 100 toilets at a time, to assigned customers, also results in a more streamlined and organized distribution. Staff is investigating other distribution options which could include a home delivery system directly through Niagara, which would be more efficient for staff purposes and speed of customer delivery, however would increase the cost to \$200 per toilet and would limit the purchase to 300 toilets. Staff recommends Board approval of the UHET Distribution Program for an amount of \$60,000 for purchase and distribution of 300-400 toilets.

RECOMMENDATION

Board approve and authorize implementation of the UHET Toilet Distribution Program.

6

MEMORANDUM

To: Board of Directors

February 28, 2014

From: Chris DeGabriele, General Manager *CD*

Subj: 1. Set Public Hearing to Consider Declaration of a Water Shortage Emergency and Adopt Water Shortage Contingency Measures in the Novato and West Marin Service Areas

2. Consider Endorsing the WAC Resolution Supporting Sonoma Marin Saving Water Partnership Efforts and Governor Jerry Brown's Emergency Drought Declaration

t:\gmi\water shortage 2014\public hearing memo 022814.docx

RECOMMENDED ACTION:

1. Set the March 18, 2014 regular Board meeting as the date and time to hold a public hearing to consider a water shortage emergency in the Novato and West Marin service areas
2. Consider endorsing the Water Advisory Committee Resolution Supporting the Sonoma Marin Saving Water Partnership Efforts and Governor Jerry Brown's Emergency Drought Declaration.

FINANCIAL IMPACT: None at this time

Background

At each meeting this calendar year, the Board has been updated on current water supply status and activities in preparing for dry year conditions. At the January 7th meeting, the Board reviewed rainfall and water storage levels both in Novato, West Marin and in the Russian River and reviewed the District's draft Water Shortage Contingency Plan for Novato and West Marin.

At the January 21st meeting, the Board was updated on rainfall and water storage statistics and was informed that West Marin water bills would include a message advising of dry year conditions on Lagunitas Creek. The Board was also informed that a winter *WaterLine* newsletter was mailed to Novato customers, urging unnecessary outdoor irrigation be turned off, leaks be fixed and that customers participate in NMWD water conservation programs.

At the February 4th meeting, the Board was again updated on current rainfall and water storage conditions, provided information on the water suppliers presentation to the Marin County Board of Supervisors, learned of the State Water Board's notice of potential curtailment of water right diversions, received a status table on conservation measures contemplated by the

water contractors who receive Russian River water, and learned that Marin Municipal would pay to back feed water into Stafford Lake.

At the February 18th meeting, the Board was again apprised on rainfall and water storage status, Stafford Lake back feed operations, and learned that the Water Advisory Committee had adopted a resolution supporting the Sonoma Marin Saving Water Partnership efforts and the Governor's Emergency Drought Declaration that includes seeking 20% voluntary water conservation.

Since February 18th, a meeting has been held with Marin County agricultural interests to discuss agricultural water needs. The County of Sonoma has proclaimed a local emergency due to drought conditions and Sonoma County Water Agency has adopted a resolution supporting the County of Sonoma's drought declaration, Governor Brown's Emergency Drought Declaration and the Sonoma Marin Saving Water Partnership resolution.

Finally, the California Assembly Select Subcommittee on Agricultural and the Environment held a meeting in Petaluma to address agricultural use of Recycled Water.

Currently Lagunitas Creek flows increase following rainfall events but quickly fall to the regulated threshold of 20cfs under dry year conditions, Stafford Lake is at 48% of capacity at 2,065AF, Lake Sonoma at 68% of capacity with 166,810AF, Lake Mendocino at 43% capacity with 29,166AF and Lake Pillsbury at 27% capacity at 20,277AF. Thus the water storage available for Novato, while adequate, is low.

At this time the Board is asked to schedule a public hearing to declare a Water Shortage Emergency in Novato and consider enactment of the Water Shortage Contingency Plan. Staff proposes the public hearing be held at the Board's regular meeting on March 18th.

Furthermore, staff recommends that the Board endorse the Water Advisory Committee Resolution supporting the Sonoma Marin Saving Water Partnership efforts and Governor Jerry Brown's Emergency Drought Declaration that includes seeking 20% voluntary conservation, that resolution is enclosed as Attachment 1.

For your information, the Novato Area Water Shortage Contingency Plan (Attachment 2) and Ordinance (Attachment 3) to be considered on March 18th are to propose Stage 1 at 20% voluntary conservation, consistent with the WAC resolution and the Governors' drought declaration.

Additionally, the Board is requested to set a public hearing to consider Declaration of a Water Shortage Emergency in West Marin, also at the regular meeting on March 18th. The West Marin Water Shortage Contingency Plan (Attachment 4) and Ordinance (Attachment 5), are also attached for your information.

Recommendation:

1. Board set Tuesday, March 18th at 7:30 p.m. as the date and time to hold a public hearing to consider declaration of water shortage emergency in the Novato Service Area
2. Set a public hearing for the regular meeting on Tuesday, March 18th at 7:30 p.m. to consider Declaration of Water Shortage Emergency in West Marin; and
3. Endorse the WAC Resolution supporting the Sonoma Marin Saving Water Partnership efforts

WATER ADVISORY COMMITTEE RESOLUTION SUPPORTING THE
SONOMA MARIN SAVING WATER PARTNERSHIP EFFORTS AND
GOVERNOR JERRY BROWN'S EMERGENCY DROUGHT DECLARATION
THAT INCLUDES SEEKING 20% VOLUNTARY CONSERVATION

WHEREAS, the Restructured Agreement for Water Supply (RA), executed on June 23, 2006, by and between the Sonoma County Water Agency (SCWA), the Cities of Cotati, Petaluma, Rohnert Park, Santa Rosa, Sonoma and Forestville, the North Marin and Valley of the Moon Water Districts and the Town of Windsor, collectively known as the Water Contractors, creates the Water Advisory Committee (WAC) and Technical Advisory Committee (TAC); and

WHEREAS, the Water Contractors, along with SCWA and Marin Municipal Water District, are members of the Sonoma-Marín Saving Water Partnership (Partnership), through which these members have joined together to provide a regional approach to water use efficiency; and

WHEREAS, these Partnership members recognize that establishing common water conservation projects on a regional basis and applicable across the political and jurisdictional boundaries of each member may be a means of cost effectively conserving more water than would be otherwise be conserved on an individual member-by-member basis; and

WHEREAS, the Partnership, through its many water efficiency programs, educational seminars and outreach campaigns, is working to educate our communities about the importance of conserving water resources and eliminating water-wasting behaviors; and

WHEREAS, the Partnership received a 2013 WaterSense Excellence award from the U.S. Environmental Protection Agency (EPA) for promoting water efficient irrigation practices through implementation of the Qualified Water Efficient Landscaper Program (QWEL). QWEL educates landscape professionals and their customers on the benefits of sound landscape and design, management and irrigation practices. The award was one of the only five issued by the EPA nationally; and

WHEREAS, the Partnership members have taken a regional approach to comply with the Water Conservation Act of 2009 (SBx7-7) requiring a 20% reduction in per capita water use by year 2020, and the individual members and regional effort has resulted in meeting this target eight years in advance of the compliance deadline; and

WHEREAS, in summer 2013 the “20-Gallon Challenge” was embraced by community members who pledged to reduce water use by 20 gallons per person per day. The 20-Gallon Challenge was promoted throughout the Russian River Watershed expanding the Partnership reach into Mendocino County. Working together in Sonoma, Marin and Mendocino counties, the “20-Gallon Challenge” resulted in a positive response to the 2013 dry spring conditions; and

WHEREAS, calendar year 2013 was the lowest rainfall year on record in 120 years; and

WHEREAS, the historical dry conditions have resulted in severely low storage levels in Lake Mendocino (36% of capacity) requiring a Temporary Urgency Change Order to be issued by the State Water Resources Control Board enabling lower in stream releases to the Russian River and preserving lake storage; and

WHEREAS, storage level in Lake Sonoma on Dry Creek (66% of capacity) is not significantly below normal and SCWA will re-evaluate water supply conditions in spring 2014 to determine whether it will be necessary to file a subsequent Temporary Urgency Change Petition to address Lake Sonoma storage conditions; and

WHEREAS, the Partnership members have embarked on a regional water use efficiency media campaign titled: “There’s a Drought on. Turn the Water Off” designed to increase awareness and reduce water use; and

WHEREAS, on January 17, 2014 Governor Brown declared a statewide drought in California and called for a 20% voluntary reduction in water use:

NOW, THEREFORE, BE IT RESOLVED, that the Water Advisory Committee hereby pledges to support the Partnership efforts; and

Encourages residents to increase water use efficiency by fixing leaks and eliminating unnecessary outdoor irrigation to help protect and preserve reliable drinking water supplies stored in Lake Mendocino and Lake Sonoma; and

Urges water customers to heed the Governors’ declaration to reduce water use by 20%.

ADOPTED this 3rd day of February, 2014 by the following vote:

AYES: Petaluma, Sonoma, Santa Rosa, Rohnert Park, Windsor, VOMWD, NMWD

NOES: None

ABSENT: Cotati

ABSTAIN: None

DRAFT

NORTH MARIN WATER DISTRICT'S
WATER SHORTAGE CONTINGENCY PLAN

FOR GREATER NOVATO AREA

MARCH 18, 2014

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

March-2006 2014

Customer Notification

1. NMWD notifies customers by bill message
 - A. Dry water supply conditions exist on the Russian River. Please reduce your water use by ~~45~~20%. Consult the NMWD website for water saving tips and the latest news on water supply status.
 - B. Critical dry water supply conditions exist on the Russian River. A mandatory _____% reduction in water use is required. Consult the NMWD website for more information.
2. Special issue of NMWD WaterLine will be mailed to all customers during critical dry conditions stipulating mandatory requirements.

Specific Triggers

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

Stage 2 Trigger: When the Sonoma County Water Agency adopts ~~a Stage 2 Water Emergency~~ ~~enacts its' water shortage allocation methodology~~ provided that storage is not projected to fall below ~~70~~100,000-acre feet in Lake Sonoma.

Stage 3 Trigger: When the Sonoma County Water Agency adopts ~~a Stage 3 Water Emergency~~ ~~advises that storage in Lake Sonoma falls below 100,000 acre feet.~~

Consumption Limits

Stage 1: (Request for up to ~~45~~20% voluntary reduction)

Residential: 45~~20~~% voluntary reduction in water use from prior year for similar

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

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

billing period

Commercial and Industrial 4520% voluntary reduction in water use from prior year for similar billing period (exceptions may be granted in order to preserve jobs)

Stage 2: (Up to 30% mandatory reduction)

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

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

Stage 3: (Up to 50% mandatory reduction)

Residential: Equivalent to X ² gallons per person per day

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

Stages of Action

Stage 1 Voluntary - achieve up to a 4520% reduction³ in water use by implementation of the following

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

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

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

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

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

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

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

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

- (4) Golf courses may only use private well or recycled water for general irrigation. Golf courses may apply to the General Manager for specific exemptions to water greens only, and then only under methods and time periods prescribed by the General Manager. Such exemptions will only be given by the General Manager, if a 50% or greater conservation level can otherwise be achieved on a service area basis.
 - (5) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand held nozzle. An exception will be made to permit drip irrigation for established perennial plants and trees using manual or automatic time controlled water application sufficient only for assured plant survival.
 - (6) No new annual plants, vegetables, flowers or vines may be planted until the Stage 3 emergency is over. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.
- b. The following additional voluntary actions will be recommended for District customers:
- (1) Navy style showering will be promoted (e.g., turn on water to wet person or persons, turn off water, lather up, scrub, then turn on water for a quick rinse, then turn off shower).

Customers will be provided push button showerhead control valves upon request, and at no direct charge to them, to better allow them to take "Navy style showers."
 - (2) Customers will be urged not to regularly flush their toilets for disposal of urine only.

Plan Preparation

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

Adoption of Plan

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

Monitoring of Actual Water Use

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

Mandatory Prohibitions

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

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

Revenue and Expenditure Analysis

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

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

DRAFT
NORTH MARIN WATER DISTRICT
EMERGENCY WATER CONSERVATION ORDINANCE

Section 1. Declaration of a Water Shortage Emergency	1
Section 2. Purpose and Authority	1
Section 3. Effect of Ordinance	2
Section 4. Suspension of New Connections to the District's Water System	2
Section 5. Waste of Water Prohibited.....	2
Section 6. Prohibition of Non-Essential Use of Water.....	2
Phase 1 - Introductory Phase	3
Phase 2 - Moderate Mandatory Rationing (30% reduction).....	3
Phase 3 - Severe Mandatory Rationing (50% reduction)	3
Section 7. Variances	4
Section 8. Violations	4
Section 9. Signs on Lands Supplied from Private Wells or Recycled Water	5
Section 10. Use of Sprinklers Conditional.....	5

DRAFT
EMERGENCY WATER CONSERVATION ORDINANCE
ORDINANCE NO.

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

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

Section 1. Declaration of a Water Shortage Emergency

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

(a) Pursuant to Resolution No. _____ duly adopted by this Board on _____, a public hearing was held on March 18, 2014, on the matter of whether this Board of Directors should declare a water shortage emergency condition exists within the water service area of this District which is served by Stafford Lake and the North Marin Aqueduct.

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

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

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

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

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

Section 2. Purpose and Authority

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

Section 3. Effect of Ordinance

This ordinance shall take effect on April 1, 2014~~immediately~~, shall be effective only in the Novato area, shall supersede and control over any other ordinance or regulation of the District in conflict herewith, and shall remain in effect until the Board of Directors declares that the water shortage emergency has ended.

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

(a) From and including _____ including the date Stage 2, Mandatory, actions are implemented (TBD), until, the Board of Directors by resolution declares that the water shortage has ended, which period is hereinafter referred to as the suspension period, no new or enlarged connection shall be made to the District's water system except the following:

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

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

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

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

Section 5. Waste of Water Prohibited

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

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

Section 6. Prohibition of Non-Essential Use of Water

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

Phase 1 - Introductory Phase

- (b) The following uses are declared to be non-essential from and after _____ after April 1, 2014:
- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Novato Fire Protection District or other public agency for the purpose of public safety;
 - (2) refilling a swimming pool drained after _____ after July 1, 2014;
 - (3) non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.

Phase 2 - Moderate Mandatory Rationing (up to 30% reduction)

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

- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
- (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose equipped with an automatic shut-off nozzle, container or drip irrigation system except overhead sprinkler irrigation can be used if customer maintains an overall 30% reduction in water use compared to the corresponding billing period in 2013 (Customers using less than 200 or 300 gallons per day are permitted to water their landscapes without a required 30% reduction), and properly operates the irrigation system in a non-wasteful manner between the hours of 7:00 p.m. and 9:00 a.m the next day. If sprinkler water is used in a wasteful manner, the General Manager may prohibit sprinkling by that customer. ~~watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose or container or drip irrigation system except as provided in Section 10 hereof;~~
- (3) watering any portion of a golf course except the tees and greens except as provided in Section 10 hereof or where private well or recycled water supply is used;
- (4) use of water for dust control at construction sites;
- (5) initial filling of any swimming pool for which application for a building permit was made after _____ after TBD;
- (6) use by a vehicle washing facility in excess of up to 30% less than the amount used by it during the corresponding billing period in _____ in 2013. If the facility was not operating in _____ in 2013, an assumed amount shall be computed by the District from its records. This subsection shall not apply to any facility that recycles water in a manner satisfactory to the District.
- (7) any non-residential use in excess of up to 30% less than the amount used by the customer during the corresponding billing period in _____ in 2013. If connection to the District system was not in existence or use in _____ in 2013, an assumed amount will be computed from the District's records.

Phase 3 - Severe Mandatory Rationing (up to 50% reduction)

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

- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for

aesthetic purposes, at any time of the day or night during the period of March 1, through September 30, when a Stage 3 is in progress.

- (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.
- (3) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand held nozzle. An exception will be made for carefully timed drip irrigation for established perennial plants and trees. Only sufficient water for assured plant survival may be applied.
- (4) No new annual plants, vegetables, flowers or vines may be planted during the Stage 3 emergency period. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.

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

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

Section 7. Variances

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

Section 8. Violations

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

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

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

(d) In the event the District determines that water furnished by the District has been used to fill a

swimming pool in violation of Section 5 or 6 hereof, service shall be disconnected and shall be reconnected pursuant to Section 8 (b) hereof, as applicable, except that the reconnection fee shall be \$200 for each subsequent offense.

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

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

Section 10. Use of Sprinklers Conditional

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

* * * * *

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

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

Secretary
North Marin Water District

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

August 23, 2002

**NORTH MARIN WATER DISTRICT
WATER SHORTAGE CONTINGENCY PLAN
FOR WEST MARIN SERVICE AREA
August 2002**

Customer Notification

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

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

Specific Triggers

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

Consumption Limits

Stage 1: (Request 15% voluntary reduction)

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

Stage 2: (25% mandatory reduction)

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

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

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

Stages of Action

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

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

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

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

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

**Stage 3
Critical**

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

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

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

Adoption of Plan

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

Monitoring of Actual Water Use

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

Mandatory Prohibitions

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

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

Revenue and Expenditure Analysis

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

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

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

August 23, 2002

Section 1. Declaration of a Water Shortage Emergency	1
Section 2. Purpose and Authority	1
Section 3. Effect of Ordinance	<u>24</u>
Section 4. Suspension of New Connections to the District's Water System	2
Section 5. Waste of Water Prohibited.....	2
Section 6. Prohibition of Non-Essential Use of Water.....	2
Phase 1 - Voluntary Phase.....	2
Phase 2 - Mandatory Rationing (25% reduction).....	2
Phase 3 - Severe Mandatory Rationing (50% reduction)	3
Section 7. Variances	4
Section 8. Violations	4
Section 9. Signs on Lands Supplied from Private Wells	<u>54</u>
Section 10. Use of Sprinklers Conditional.....	<u>54</u>

DRAFT
EMERGENCY WATER CONSERVATION ORDINANCE
ORDINANCE NO.

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

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

Section 1. Declaration of a Water Shortage Emergency

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

(a) Pursuant to Resolution No. _____ duly adopted by this Board on _____, a public hearing was held on _____ on March 18, 2014, on the matter of whether this Board of Directors should declare a water shortage emergency condition exists within the West Marin water service area of this District which is served by wells adjacent to Lagunitas Creek.

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

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

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

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

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

Section 2. Purpose and Authority

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

Section 3. Effect of Ordinance

This ordinance shall take effect immediately on April 1, 2014, shall be effective only in the West Marin service area, shall supersede and control over any other ordinance or regulation of the District in conflict herewith, and shall remain in effect until the Board of Directors declares that the water shortage emergency has ended.

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

(a) From and including _____ including July 1, 2014 until, the Board of Directors by resolution declares that the water shortage has ended, which period is hereinafter referred to as the suspension period, no new or enlarged connection shall be made to the District's water system except the following:

- (1) connection pursuant to the terms of connection agreements which prior to _____ to July 1, 2014, had been executed or had been authorized by the Board of Directors to be executed;
- (2) connections of fire hydrants;
- (3) connections of property previously supplied with water from a well which runs dry.
- (4) connection of property for which the Applicant agrees to defer landscape installation until after the suspension period.

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

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

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

Section 5. Waste of Water Prohibited

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

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

Section 6. Prohibition of Non-Essential Use of Water

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

Phase 1 - Voluntary Phase is designed to achieve 15% reduction in water usage by

encouraging voluntary rationing, enforcement of water wasting regulations and water conservation Regulation 17, requesting customers to make conscious efforts to conserve water, encourage private sector to use alternate source and encourage night irrigation.

Phase 2 - Mandatory Rationing (25% reduction)

(b) The following uses are declared to be non-essential from and after _____ after July 1, 2014:

- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Marin County Fire Department or other public agency for the purpose of public safety;
- (2) refilling a swimming pool drained after _____ after July 1, 2014;
- (3) non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
- (4) Request restaurants to serve water only upon request.

(c) The following additional uses are declared to be non-essential from and after _____ after July 1, 2014:

- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
- (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose equipped with an automatic shut-off nozzle, container or drip irrigation system except overhead sprinkler irrigation can be used if customer maintains an overall 25% reduction in water use compared to the corresponding billing period in 2013 and properly operates the irrigation system in a non-wasteful manner between the hours of 7:00 p.m. and 9:00 a.m the next day. If sprinkler water is used in a wasteful manner, the General Manager may prohibit sprinkling by that customer. ~~watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose or container or drip irrigation system except as provided in Section 10 hereof;~~
- (3) use of water for dust control at construction sites;
- (4) initial filling of any swimming pool for which application for a building permit was made after _____ after April 1, 2014;
- (5) use by a vehicle washing facility in excess of 25% less than the amount used by it during the corresponding billing period in _____ 2013 _____. If the facility was not operating in _____ in 2013, an assumed amount shall be computed by the District from its records.
- (6) any non-residential use in excess of 25% less than the amount used by the customer during the corresponding billing period in _____ in 2013. If connection to the District system was not in existence or use in _____ in 2013, an assumed amount will be computed from the District's records.

Phase 3 - Severe Mandatory Rationing (50% reduction)

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

- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for aesthetic purposes, at any time of the day or night during the period of August 1,

through October 31, when a Stage 3 is in progress.

- (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.
- (3) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand held nozzle. An exception will be made for carefully timed drip irrigation for established perennial plants and trees. Only sufficient water for assured plant survival may be applied.
- (4) No new annual plants, vegetables, flowers or vines may be planted during the Stage 3 emergency period. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.

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

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

Section 7. Variances

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

Section 8. Violations

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

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

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

Section 9. Signs on Lands Supplied from Private Wells

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

Section 10. Use of Sprinklers Conditional

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

* * * * *

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

- AYES: Directors
- NOES:
- ABSENT:
- ABSTAINED:

(SEAL)

Secretary
North Marin Water District

t:\gm\water shortage 2014\wm model emergency ordinance.doc

The Press Democrat

Countywide water limits likely in April

By SEAN SCULLY THE PRESS DEMOCRAT on February 25, 2014, 4:40 PM

Sonoma County residents will likely be facing mandatory water conservation measures by sometime in April if there is no significant rain before then, officials said Tuesday.

"It seems to me that drastic times call for drastic measures," Supervisor Shirlee Zane said as the supervisors approved a drought emergency declaration that will make the county eligible for state and federal disaster assistance.

Healdsburg and Cloverdale have already imposed mandatory conservation because they are dependent on the water coming from Lake Mendocino, which is at just 41 percent of its capacity. The Sonoma County Water Agency has cut releases from the reservoir into the upper Russian River to a trickle in order to preserve whatever it can behind the dam.

But there is growing concern about the supply at the much larger Lake Sonoma, which serves more than 600,000 customers in the cities south of Healdsburg, including parts of Marin County. That reservoir, designed to hold a three-year supply of water, is down to just 67 percent of its capacity and is less than a year away from the level at which the water agency would be forced to impose a 30 percent cut on the municipalities that buy the water and distribute it to residential and business customers.

In early April, "we're going to take a hard look at Lake Sonoma ... our objective is to extend that water pool into November," when the rainy season should have started again, Water Agency General Manager Grant Davis told the supervisors.

Until the so-far lackluster rainy season wraps up, however, the agency won't know how much water it will have in the reservoir to meet the dry summer months, and therefore it isn't clear yet how much the agency might need to do to hold off the steep mandatory cuts as long as possible.

A key advisory panel, which includes members from all the water systems that buy from the Water Agency, will look at the reservoir levels at a meeting April 7 and may recommend less draconian mandatory measures to stretch the supply, Davis said.

The governor has already called for water customers to cut their consumption voluntarily by at least 20 percent, and most area municipalities are already asking their customers to follow his advice. None of the cities relying on Lake Sonoma have made such restrictions mandatory yet.

The agency has launched an unprecedented mid-winter conservation campaign, with ads bearing the slogan "There's a drought on, turn the water off." The county is hoping that Tuesday's drought declaration could open the door to state and federal funding for projects such as replacing toilets and other water fixtures in area homes.

The declaration could also make it easier for ranchers and farmers to apply for emergency assistance programs. Agriculture Commissioner Tony Linegar says losses to area farmers are at least \$6.2 million and he is projecting a near-total loss for grain and hay farmers, a particularly difficult and expensive prospect for ranchers trying to feed livestock that would normally eat on pasture land until well into the summer.

"Hay is getting more and more difficult to find, particularly organic hay," he told the supervisors.

The region is in its third straight dry year, but 2013 was unusual dry, with less than 9 inches recorded in Santa Rosa. That is certainly the driest year since records were first kept in the 19th century and may be the driest year in about 400 years, according to a study of North Coast tree rings by researchers at the University of Arizona.

Even 1977, the worst drought year in recent memory, saw about 15 inches of rain in Santa Rosa, according to Press Democrat records. The yearly average is more than 32 inches.

A heavy rainstorm in early February, the first significant precipitation in almost 14 months, gave farmers and water managers a small amount of breathing room, but the drinking water reservoirs remain at alarmingly low levels.

The National Weather Service is predicting two significant storms between Wednesday and the weekend, but even those storms will not end the drought, even if they add a little extra water in the reservoirs.

"Rain brings amnesia," Board of Supervisors Chairman David Rabbitt said, counseling against excessive optimism in the face of a wet weekend. "We need to have inches, inches, of rain just to get back to the worst place we've been" in previous droughts.

You can reach Staff Writer Sean Scully at 521-5313 or sean.scully@pressdemocrat.com. On Twitter @BeerCountry.

Sonoma County residents will likely be facing mandatory water conservation measures by sometime in April if there is no significant rain before then, officials said Tuesday.

"It seems to me that drastic times call for drastic measures," Supervisor Shirlee Zane said as the supervisors approved a drought emergency declaration that will make the county eligible for state and federal disaster assistance.

Healdsburg and Cloverdale have already imposed mandatory conservation because they are dependent on the water coming from Lake Mendocino, which is at just 41 percent of its capacity. The Sonoma County Water Agency has cut releases from the reservoir into the upper Russian River to a trickle in order to preserve whatever it can behind the dam.

But there is growing concern about the supply at the much larger Lake Sonoma, which serves more than 600,000 customers in the cities south of Healdsburg, including parts of Marin County. That reservoir, designed to hold a three-year supply of water, is down to just 67 percent of its capacity and is less than a year away from the level at which the water agency would be forced to impose a 30 percent cut on the municipalities that buy the water and distribute it to residential and business customers.

In early April, "we're going to take a hard look at Lake Sonoma ... our objective is to extend that water pool into November," when the rainy season should have started again, Water Agency General Manager Grant Davis told the supervisors.

Until the so-far lackluster rainy season wraps up, however, the agency won't know how much water it will have in the reservoir to meet the dry summer months, and therefore it isn't clear yet how much the agency might need to do to hold off the steep mandatory cuts as long as possible.

w/BOD
Hem

The Press Democrat

Farmers question bill offering treated wastewater to cows

By **DEREK MOORE** THE PRESS DEMOCRAT on February 27, 2014, 6:50 PM

Organic dairy farmers greeted proposed legislation to use treated wastewater for livestock consumption with skepticism Thursday, saying it risks the health of their animals and could jeopardize their businesses.

"I'm not going to risk our animals or our customers to an idea that's not tested," said Albert Straus, president of Straus Family Creamery in Marshall.

Assemblyman Marc Levine, D-San Rafael, authored AB 2071 ostensibly to provide drought relief to California ranchers as supplies of potable water dwindle from lack of rain. But Levine mainly heard doubts about his proposal at a public hearing Thursday at Petaluma City Hall.

Straus spoke for many farmers in attendance when he said he felt his cows would be used as "guinea pigs" to test whether treated wastewater is safe for consumption.

Petaluma dairyman George McClelland said recycled water "might be a great thing." But he said he's not inclined to let his cows drink it.

The risk was too much for his dairy and his family, McClelland said. "We've been dairying since 1938," he said.

McClelland was on the panel of farmers, veterinarians, water resource managers and public health representatives invited to speak Thursday.

Advocates for greater use of treated wastewater view it as an untapped source of drought relief for California's farmers, who are staring down the possibility of losing animals if enough rain doesn't materialize between now and summer.

Some farmers already use recycled water for livestock consumption, including operations in Sonoma County. Under a 25-year-old arrangement, the city of Santa Rosa has not restricted about 70 ranchers who are linked to its water distribution system from using treated wastewater for livestock consumption, with the exception of animals producing milk.

That points to widespread confusion over whether current regulations already allow for what Levine is seeking with the legislation. The state's public health agency and regional water quality control boards have regulations pertaining to recycled water, but none that specifically address using it as drinking water for animals. Some water providers have interpreted that to mean the practice is allowed.

"Let us know what the heck the rules are so we can support ranchers and do the right thing in our communities," said Chris DeGabriele, general manager of the North Marin Water District.

Levine's bill would require state public health officials to approve the use of recycled water for pasture animals by 2016 unless officials determine that doing so would pose health risks, in which case, the state would be required to establish uniform standards, such as additional treatment of the water before it could be used.

California Department of Food and Agriculture regulations state that water supplies in milk houses and dairy barns be of “safe and sanitary quality” and conform to the bacterial standards for public supplies of drinking water.

It's unclear whether treated wastewater would meet those standards, said Annette Jones, director of the state agency's Animal Health and Food Safety Services Division.

She said she would be most concerned about giving the water to dairy cows, noting that 87 percent of milk is water. “It's not really clear to me what the risks really are,” she said.

Treated wastewater could contain levels of antibiotic-resistant bacteria and hormones that pose a risk to animals, said James Cullor, professor of population health and reproduction at the School of Veterinary Medicine at UC Davis. He said there haven't been any long-term studies to draw conclusions. His recommendation was that recycled water be used only for emergencies.

Cotati veterinarian Gene Harlan said even if the water was deemed safe for animals, organic farmers still risk a backlash from the public by using it.

“There's a reason why this area has become 90 percent organic (dairies),” Harlan said. “That's what the consumer is asking for.”

Petaluma Councilman Mike Healy, who sparked the legislative effort, said it's not the city's intent to require any farmers to use recycled water for their animals. But he warned that the city's current water allocation for agricultural customers “may not be sustainable.”

The city currently is dispensing potable water for agricultural purposes at a rate of about 50,000 gallons a day, or less than 1 percent of its overall daily supply. But that supply could be affected by continued drought conditions and mandated cutbacks.

Levine's bill covers all pasture animals. But he said at the conclusion of Thursday's hearing that giving dairy cows recycled water was “never the intent of any legislation.”

Levine said there's “great interest” in furthering research to “ensure the safety of using this water.” Asked whether he's comfortable with the research that exists now to recommend what he's proposing with his bill, Levine replied, “I think what we learned today is that it's not clear. We need to do more work to figure that out.”

(You can reach Staff Writer Derek Moore at 521-5336 or derek.moore@pressdemocrat.com. On Twitter [@deadlinederek](https://twitter.com/deadlinederek).)

Organic dairy farmers greeted proposed legislation to use treated wastewater for livestock consumption with skepticism Thursday, saying it risks the health of their animals and could jeopardize their businesses.

“I'm not going to risk our animals or our customers to an idea that's not tested,” said Albert Straus, president of Straus Family Creamery in Marshall.

Assemblyman Marc Levine, D-San Rafael, authored AB 2071 ostensibly to provide drought relief to California ranchers as supplies of potable water dwindle from lack of rain. But Levine mainly heard doubts about his proposal at a public hearing Thursday at Petaluma City Hall.

7

MEMORANDUM

To: Board of Directors

February 28, 2014

From: Chris DeGabriele, General Manager



Subj: Water Purchase Request from Inverness Public Utility District (IPUD) and Revised Emergency Inverness Intertie and Cooperative Services Agreement

I:\gm\agreements\ipud\inverness intertie bod memo 2014.docx

RECOMMENDED ACTION: Board approved the revised Inverness Intertie and Cooperative Services Agreement

FINANCIAL IMPACT: None at this time

Attachment 1 is a request from IPUD to purchase water from North Marin Water District during IPUD's upgrade of its water treatment facilities. At this time, we are not aware of when the needed water purchase will occur. IPUD has been informed that NMWD West Marin Water Shortage Contingency Plan would restrict deliveries to IPUD should Water Shortage Contingency Measures be in place, likely after April 1st of this year.

In review of the IPUD water purchase request, I was reminded that the existing Emergency Inverness Intertie and Cooperative Service Agreement, last executed on July 5, 2005, will expire on June 30th of this year. Thus, it's appropriate to update the agreement and extend its term. That update with a term extension to June 30, 2024 is included as Attachment 2.

RECOMMENDATION:

Board approve the Emergency Inverness Intertie and Cooperative Services Agreement with Inverness Public Utility District.



Inverness Public Utility District

Fire Department & Water System

P.O. Box 469, Inverness, CA 94937-0469

Phone: 415.669.1414 Fax: 415.669.1010 Email: ipud@horizoncable.com

Chris DeGabriele
General Manager
North Marin Water District
999 Rush Creek Place
Novato, CA 94945

RECEIVED
NOV 17 2013
North Marin Water District

11/5/13

RE: Water Purchase via NMWD/IPUD Intertie

Dear Mr. DeGabriele:

The Inverness Public Utility District (IPUD) is in the process of upgrading its water treatment facilities by replacing aging Memcor filtration units with new Micro and Nano filtration units. As part of this upgrade, IPUD may have to take one of its treatment facilities offline for a period of time, and would like to have the possibility of purchasing water from North Marin Water District (NMWD) during this transition period.

We estimate that IPUD may have to purchase up to 47,000 gallons per day for 12-21 days. This transition period will take place during January and February of 2014. At this time, the new units are being constructed, and we expect delivery of them in early January. At that time, we would install and bring them online.

As we get closer to a firm delivery date, IPUD will provide to NMWD the exact dates that IPUD would like to purchase water from NMWD.

Thank you for your consideration of this proposal, and please call me if you have any questions, or if you need more information.

Best Regards,

Scott McMorrow
General Manager
415-669-1414

*Board of Directors: Scoby A. Zook, President - Michael McEneany, Vice President
Laura B. Alderdice, Treasurer - Kenneth Emanuels - Dakota Whitney
Scott McMorrow, General Manager
James K. Fox, Chief of Operations*

ATTACHMENT 1

DRAFT
EMERGENCY INVERNESS INTERTIE AND COOPERATIVE SERVICES AGREEMENT

This Agreement, made this _____ day of February~~March~~, 2004~~2014~~ by and between NORTH MARIN WATER DISTRICT, a public body, herein called "NMWD," and INVERNESS PUBLIC UTILITY DISTRICT, a public body, herein called "IPUD,"

1. Recitals

A. NMWD and IPUD have developed and maintained separate sources of water supply and separate water distribution systems in Western Marin County (hereinafter referred to as water systems).

B. Catastrophic events or unforeseen circumstances can occur which may adversely affect or interrupt the availability or distribution of water in either the NMWD water system or the IPUD water system.

C. Since January 1982 a pipeline intertie connecting the IPUD water system and the NMWD water system has been in place ~~in order to~~ supply emergency water to the parties when the need may arise.

D. Since April 1984 the parties have cooperated with one another in the occasional interchange of personnel and equipment in order to affect economies and more efficiently and effectively provide service to their respective customers.

~~D.E.~~ The 2004 Emergency Inverness Intertie and Cooperative Services Agreement sunsets on June 30, 2014.

2. Objective

The parties to this Agreement believe that it is in their best interests to continue cooperating effectively, to maintain the existing Pipeline Intertie Facility in good working order and provide a mechanism to transfer emergency water supply from one party to the other when circumstances may require.

3. Pipeline Intertie Facility

The Pipeline Intertie Facility includes a normally closed 6" (six inch) diameter intertie zone valve and 21" (~~two-one~~ inch) bypass intertie meter and connecting service lines. Said zone valve and bypass meter is located adjacent to and in the westerly right of way of Sir Francis Drake Boulevard just south of the North Dream Farm Road intersection.

4. Emergency Water Supply

The Intertie is available to transfer emergency water supply at up to 40 gallons per minute (GPM) to IPUD or NMWD when an emergency condition develops in one or the other of the water systems. All requests for transfer of emergency water supply shall be noticed pursuant to Section 10 of this Agreement. All transfers, except in the case of an extraordinary fire emergency noted below, shall flow through the 21" bypass intertie meter and be subject to the legal and prior obligations of the parties as determined unilaterally by the party called upon to supply emergency ~~needs~~ of water to the requesting party. An emergency condition is defined as an acute problem and may include pipeline failure, treatment plant failure, source of supply contamination or interruption caused by natural and manmade disasters, etc. The party requesting emergency water supply shall record intertie meter readings and report same to the delivering party on a regular basis.

1 Notwithstanding the notice requirements above and in Section 10 of this Agreement,
2 where an extraordinary fire emergency exists in either district requiring unrestricted
3 flow, the district experiencing the fire emergency shall have the option to take
4 maximum flow by opening the 6-inch zone intertie valve between the NMWD and the
5 IPUD water system. The district doing so shall notify the other district immediately.

6 5. Ownership, Operation and Maintenance

7 NMWD shall own and be responsible for operation, maintenance and replacement of
8 the NMWD's existing water system facilities south of the Intertie zone valve. IPUD
9 shall own and be responsible for operation, maintenance and replacement of the
10 IPUD existing water system facilities north of the Intertie zone valve. By mutual
11 consent of the Parties this point of Intertie zone valve can be moved to any point to
12 the north within the IPUD water system.

13 Each party may render incidental regular and/or emergency water service to others
14 from their water system facilities on their respective side of the Intertie zone valve,
15 provided that the Emergency Water Supply capability as stated in paragraph 4 is not
16 significantly diminished and provided further that the public water supply is
17 safeguarded from backflow in the manner prescribed by NMWD Regulation No. 6 and
18 as that regulation may from time to time be changed by NMWD. NMWD will ~~notify~~
19 maintain IPUD of any revisions to NMWD's current version of its Regulation No. 6
20 ~~from time to time as they occur on its website.~~

21 NMWD shall annually be responsible for Pipeline Intertie Facility maintenance. Cost
22 of said maintenance and any repair or replacement of said facility shall be shared
23 equally between NMWD and IPUD.

24 6. Cooperation

25 A. The managers of the IPUD and NMWD will from time to time formulate and
26 revise plans whereby personnel and/or equipment of one agency (for
27 convenience referred to herein as "cooperating agency"), may be used by the
28 other agency (referred to as "benefiting agency") to accomplish certain routine or
29 emergency operations required by the benefiting agency, including but not
30 necessarily limited to: maintenance, repair, replacement and installation of water
31 facilities.

32 B. Requests for use of personnel and/or equipment shall be made by the manager
33 of the benefiting agency, and it is intended that such requests will be complied
34 with by the cooperating agency unless the manager of that agency determines
35 that the requested personnel and/or equipment are needed to meet prior
36 workload demands of the cooperating agency.

37 C. If deemed necessary by the cooperating agency, equipment will be furnished
38 with an operator assigned by the cooperating agency. In addition, supervisory
39 personnel shall also be furnished by the cooperating agency when the
40 cooperating agency determines in its sole discretion that it is necessary. During
41 the time they are engaged in serving the benefiting agency, all personnel shall be
42 under the direction and control of the benefiting agency.

43 D. At the sole discretion of the cooperating agency, the benefiting agency shall pay
44 the cooperating agency monthly on receipt of invoice the cooperating agency's
45 costs for the equipment and personnel furnished. These costs shall be
46 computed on the basis of the equipment rental rates and the salaries and payroll
47 expenses that the cooperating agency would charge to itself under its accounting

1 system had such equipment and personnel been employed in the work of the
2 cooperating agency. In the event that the cooperating agency does not utilize an
3 accounting system that identifies specific overhead and rental rates for the
4 personnel and equipment involved, the cost to the benefiting agency shall be
5 mutually agreed to in advance by the managers of both agencies.

6 E. The benefiting agency will indemnify and hold harmless the cooperating agency
7 for all liability and claims of liability for damages, personal injury and death to the
8 public arising out of its use of vehicles, equipment or other property, or personnel
9 of the cooperating agency. ~~Each~~ The benefiting agency will name the ~~other~~
10 cooperating agency as an additional insured under its liability and property
11 damage insurance policy with respect to work performed for it as ~~a benefiting~~
12 agency under this Agreement and will furnish and maintain a current a certificate
13 of insurance and endorsement evidencing this and covering the other agency.
14 To the extent either agency is wholly or partly self-insured, it shall furnish the
15 above certificate of insurance for such coverage as may be in force, and shall, for
16 the self-insured portion, assume all defense and indemnification for liability with
17 respect to work performed for it as a benefiting agency under this Agreement as
18 if an insurance policy were in force.

19 Each agency shall maintain worker's compensation for industrial injury or illness
20 through insurance, including coverage for its employees when used by the other
21 agency under this Agreement.

22 The benefiting agency will reimburse the cooperating agency for any uninsured
23 (out-of-pocket) loss resulting from damage to vehicles, equipment and other
24 property owned by the cooperating agency, or injury to its personnel, arising out
25 of the use of such vehicles, equipment, ~~or other property~~ or personnel by the
26 benefiting agency.

27 ~~To the extent that each agency maintains insurance policies covering physical~~
28 ~~damage to its vehicles, equipment and other property, such agency agrees to~~
29 ~~obtain waivers of rights to subrogation from its respective insurance carriers, for~~
30 ~~claims of damage against the other agency regarding physical damage resulting~~
31 ~~from activities covered by this Agreement.~~

32 7. Charges and Billing

33 The price that IPUD and NMWD charges the other for emergency water shall be the
34 Water Quantity Rate of the party receiving said emergency water (IPUD or NMWD)
35 pursuant to regulations of said party, from time to time in effect. Except that
36 emergency water charges for an extraordinary fire emergency shall be the actual "out
37 of pocket" cost of the party delivering said emergency water as determined by the
38 delivering party.

39 The party delivering water pursuant to this Agreement shall bill not more frequently
40 than monthly and the receiving party shall pay the amount of such billing within 30
41 days of receipt of same.

42 For all other charges due under this Agreement, the billing party shall prepare a bill
43 which the receiving party shall pay within 30 days of receipt of same.

44 Notwithstanding any dispute between the parties hereto, the receiving party shall pay
45 all bills when due and shall not withhold all or any part of any payment pending the
46 final resolution of such dispute. In the event of a dispute, the receiving party may

1 pay its bills under protest and if the resolution of the dispute results in a refund, said
2 refund shall include any interest earned by investment of the disputed funds.

3 8. Prior 1982 Agreements Terminated

4 The Prior Emergency Inverness Intertie Agreements dated January 23, 1982, April
5 11, 1984, and July 15, 2005 between IPUD and NMWD ~~is~~ are hereby terminated.

6 ~~9. 1984 Agreement Terminated~~

7 ~~The Cooperative Services Agreement dated April 11, 1984 between IPUD and~~
8 ~~NMWD is hereby terminated.~~

9 ~~10-9.~~ Method and place of Giving Notice and Making Payments

10 All notices, including requests for transfer of emergency water supply, shall be in
11 writing and notices and payments may be given by personal delivery or by mail.
12 Notices and payments sent by mail shall be addressed as follows:

NMWD: North Marin Water District
Attn: General Manager
P.O. Box 146
Novato, CA 94948-0146

IPUD: Inverness Public Utility District
Attn: General Manager
P.O. Box 469
Inverness, CA 94937-0469

13 Changes may be made in the names and addresses of the person to whom notices
14 and payments are to be given by giving notice pursuant to this section.

15 ~~11-10.~~ Third Party Beneficiaries

16 No third party beneficiaries are intended or established by this Agreement.

17 ~~12-11.~~ Representation by Counsel

18 IPUD and NMWD each were represented by independent counsel in the negotiation
19 and execution of this Agreement. For the purposes of interpretation of this
20 Agreement, neither party shall be deemed to have been the drafter of this
21 Agreement.

22 ~~13-12.~~ Severability

23 If any one or more sections, provisions, promises or conditions of this Agreement is
24 declared null and void or voidable for any reason by a final judgment or order of a
25 court of competent jurisdiction, it is hereby declared to be the intention of both parties
26 and agreed that each and all of the other sections, provisions, promises and
27 conditions of this Agreement shall be and remain in full force and effect.

28 ~~14-13.~~ Terms of Agreement

29 The term of this Agreement shall extend from the date of execution hereof until
30 June 30, 20142024.

1 IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date
2 first above written.

3

INVERNESS PUBLIC UTILITY DISTRICT

NORTH MARIN WATER DISTRICT

By _____
President, Board of Directors.

By: _____
President, Board of Directors

Dated: _____

Dated: _____

ATTEST:

ATTEST:

Secretary

Secretary

4

8

MEMORANDUM

To: Board of Directors

Date: February 28, 2014

From: Drew McIntyre, Chief Engineer



Subject: MSN B1 (AEEP Reach E) Project – Progress Report No. 3 – Final (Harris & Associates)

R:\Folders by Job No\7000 jobs\7118\Reach E\BOD Memos\7118.07 B1_Reach E Harris Progress Final Report BOD Memo.doc

RECOMMENDED ACTION: Information only

FINANCIAL IMPACT: None, information only

An oral presentation will be provided by Mr. Craig Pyle, Pipeline Inspector, with Harris & Associates, regarding substantial completion of the pipeline installation as part of Caltrans' progress on the Marin Sonoma Narrows (MSN) B1 project. Attached is the final Construction Manager's Report for Board review in preparation of the presentation by Harris & Associates. A map will be available at the meeting showing locations of the features depicted on the attached photos.

CONSTRUCTION MANAGER'S REPORT

NORTH MARIN WATER DISTRICT

MSN – B1 PROJECT

Report No.:	Final	Period Covered:	8/21/13 thru 2/20/14
Contractor:	Ghilotti Const. Co.	Total Budget:	\$4,475,844
Percent Complete (Cost):	99.54%	Progress This Period:	\$2,694,524
Total Progress To Date:	\$4,455,094	Budget Remaining:	\$20,750

Construction Manager:	Harris & Associates	Total Budget:	\$301,093
Percent Complete (Cost):	84.60%	Progress This Period:	\$134,254
Total Cost to Date:	\$254,717	Budget Remaining:	\$46,376

630 Water Service Connections:

GCC completed remaining water service connections.

640 4" Air/Vacuum Valves:

GCC completed installation of ARVs.

650 6" Air/Vacuum Valves:

GCC completed installation of ARVs.

660 8" Air/Vacuum Valves:

GCC completed installation of ARVs.

670 10" Air/Vacuum Valves:

GCC completed installation of ARVs.

680 30" Butterfly Valves:

GCC completed installation of Butterfly valves.

690 Telemetry System Wire and Conduit:

GCC completed remaining conduit and cable installation.

700 12" Cement-Mortar Lined and Tape Wrapped Steel Pipe:

GCC completed remaining installation of 12" WSP pipe.

710 30" Cement-Mortar Lined and Tape Wrapped Steel pipe:

GCC completed remaining installation of 30" WSP pipe.

730 36" Cement-Mortar Lined and Tape Wrapped Steel Pipe:

GCC's completed remaining installation of 36" WSP pipe.

740 42" Cement-Mortar Lined and Tape Wrapped Steel Pipe (0.188"):

GCC completed remaining installation of 42" WSP pipe.

760 42" Butterfly Valves:

GCC completed installation of Butterfly valves.

770 36" Butterfly Valves:

GCC completed installation of Butterfly valves.

780 12" Resilient Wedge Valves:

GCC completed installation of resilient wedge valves.

790 24" Resilient Wedge Valves:

GCC completed installation of resilient wedge valves.

800 Salvaging Aqueduct Equipment:

GCC's completed removal of existing equipment, abandonment of existing pipe and the majority of the removal of existing pipe.

Remaining work involves completing and testing the cathodic protection system; relocating two existing fire hydrants, removal of the remaining 200' of existing 30" pipe.

Prepared By: Craig Pyle, Senior Inspector

HARRIS & ASSOCIATES



9/1/2013 Installing Pipe w/a Slope of .595 Located North of the Over Pass



11/6/2013 Welding Flanged Outlet for One of the Line Stops



11/11/2013 Installing the Temporary Knife Gate and Hot Tap Machine at One of the Line Stops



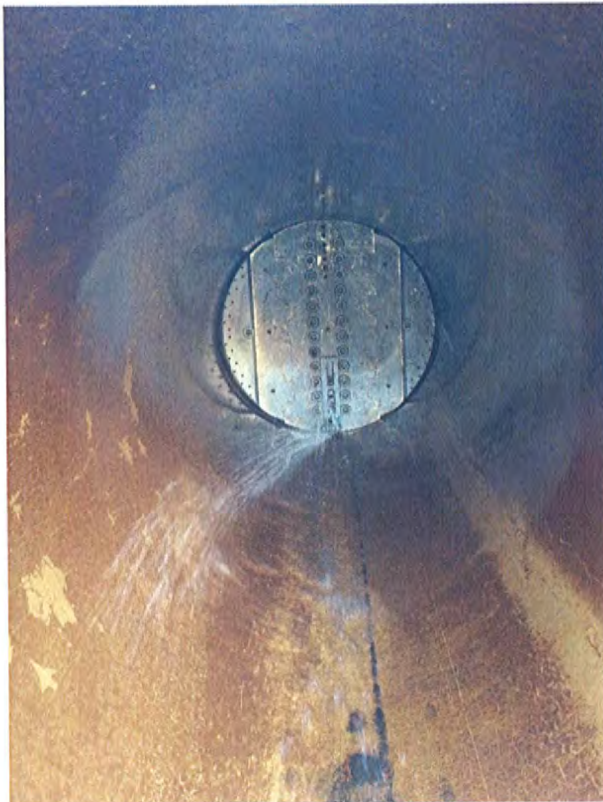
11/11/2013 Removing the Coupon from Hot Tap Machine at One of the Line Stop Locations



11/12/2013 View of the Interior Coupon of the 30" Existing Pipe that was Cut Out for One of the Line Stops



12/6/2013 View of Two Installed Line Stops at the South End of the W-2 Pipeline Segment



12/10/2013 View from Inside the Existing Pipe of the Line Stop



12/10/2013 Setting the Cut-In Pipe Spool at the North End Connection for W-2 Pipeline Segment



1/8/2014 Setting the Cut-In Pipe Spool at the South End Connection for W-1 Pipeline Segment



1/8/2014 Setting the Cut-In Pipe Spool at the North End Connection for W-1 Pipeline Segment

9

MEMORANDUM

To: Board of Directors
 From: David L. Bentley, Auditor-Controller
 Subj: Consider Drought Surcharge Options
E:\ac\word\rate analysis\fy15 rate increase considerations ii.docx

February 28, 2014

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

At the last meeting the Board considered options to balance the financial impact that would arise from a call for mandatory rationing with the need to protect those customers who already do an admirable job of conserving water. The financial impact includes both the need to manage the revenue loss, as well as the liquidated damages charge (\$0.95/1,000 gallons) for purchased water in excess of North Marin's allotment in accord with the adopted Allocation Model pursuant to the Restructured Agreement.

The financial impact on the District, if a mandatory reduction is required, is projected to be in the neighborhood of \$1.1 million. To address this, the Board considered establishing a new residential tier (to protect those already conserving) with a temporary drought surcharge, and an equivalent charge per thousand gallons for all non-residential potable water use.

After discussion, the Board moved toward considering two options, both of which would raise the \$1.1 million to offset the financial impact.

Option	Residential	Non-Residential	% of Revenue Generated	
			Residential	Non-Residential
1	75¢/1,000 gal for all water use exceeding 200 gallons per day	75¢/1,000 gal for all water use	53%	47%
2	90¢/1,000 gal for all water use exceeding 300 gallons per day	90¢/1,000 gal for all water use	44%	56%

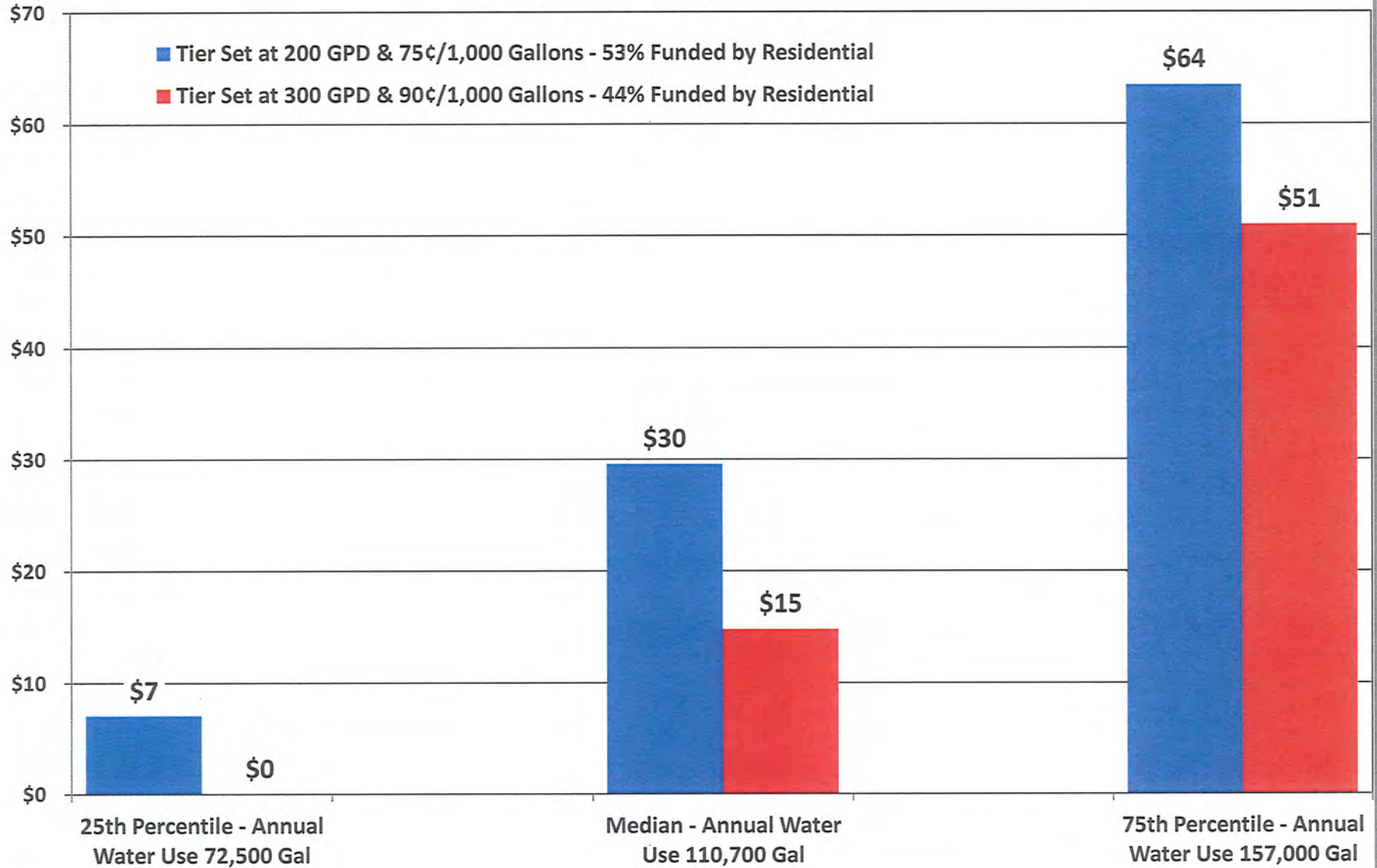
The attached chart shows that Option 1 would cost the typical (median) residential homeowner \$30 per year, while option 2 would cost \$15 per year. Option 1 places 47% of the revenue requirement on the non-residential customer base, while Option 2 places 56% of the revenue requirement on the non-residential customer base. The chart also shows the impact on residential customers using water at the 25th and 75th percentile.

Director Rodoni asked about offsetting some of the drought's financial impact with the surplus generated last fiscal year. The District's FY 2013 water sales exceeded budget by 318 million gallons. The net revenue generated, after deducting the cost of purchasing the additional water, was \$674,000¹. Some, or all, of the \$674,000 could be used to offset the cost engendered by the drought. Using the surplus would result in deferring the District's goal of rebuilding its reserves. It also risks mitigating the intended conservation signal communicated through a drought surcharge, thereby diminishing consumers' motivation to decrease consumption.

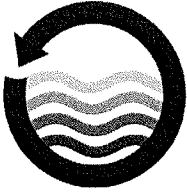
To reiterate, staff recommends the rate increase letter to customers include information about the proposed 6.5% commodity rate increase, as well as a worst-case scenario that assumes mandatory rationing is required necessitating a temporary drought surcharge. The rate increase hearing would be bifurcated, and if a drought surcharge due to mandatory rationing proves unnecessary, the Board could simply table it.

¹ FY13 Avg Retail rate (\$4.32/1,000 gallons) less SCWA wholesale rate (\$2.20/1,000) x 318MG = \$674,000.

Drought Surcharge Options Annual Impact on Residential Customers Assuming No Reduction in Water Use



10



DRAFT
NORTH MARIN WATER DISTRICT
 Board of Directors Planning Workshop
 Summary
 January 14, 2014

Key Issues

a. Water Supply

- Reviewed water demand comparison chart showing total water demand has been reduced from the 2005 UWMP to the 2010 UWMP due to population/employment projections going down and conservation requirements of SBx7-7.
- 2013 actual water demands are 3327 AF below that projected in 2035 per the 2010 UWMP. Additional conservation (746 AF), recycled water (425 AF), and SCWA supply (3473 AF) will occur to meet future demand.
- SBx7-7 target for NMWD is 143 GPCD. 2013 actual is 141 GPCD.
- SCWA and all contractors are working to define the new Water Project(s). to SCWA has developed long-range financial planning for a worst-case scenario to prevent future "rate shock" (build up capital funds for a Dry Creek pipeline if necessary).

ACTION:

- **Continue to work with contractors and SCWA in developing new water project**
- **Update UWMP in 2015 (schedule likely to be extended to 6/30/2016) and review status at that time.**

b. Cooperating Agencies

i. SCWA

- Board has several opportunities to interface with SCWA Board members (TAC, WAC, NBWA, NBWRA, PFFC). Maintaining relationships is important. TAC and WAC leadership provides excellent opportunity to continue close working relationships. Support of Washington D.C. outreach should continue.
- Securing USACOE funding of B.O. obligations is a big deal.
- There is opportunity to develop an alternate to the STSP by working with Petaluma and MMWD.

ii. MMWD

- Interconnection Agreement concluded.
- MMWD paying to back feed Stafford Lake this spring.
- GM's have great relationship. Staff's have good working relationship.

iii. NSD

- Continue cooperation on recycled water, assisting with laboratory services.
- NSD BOD wants assurance NMWD will continue to support NBWRA.
- RW Subcommittee should continue to meet periodically.

iv. LGVSD

- Continue cooperation on RW and NBWRA.
- v. City of Novato
- DLB active in Chamber of Commerce Government Affairs Committee and City Measure F Oversight/Citizens Finance Committee.
 - NMWD has supported City ADU fee reduction request.
- vi. County of Marin
- Good working relationship with County Supervisors and staff.
 - Novato watershed program offers opportunity for continuing cooperation.

ACTION:

- **Continue to participate and be involved with SCWA. If another trip to DC occurs, it would be great for Board member to attend.**
- **Inform Marin LAFCO of joint meetings with NSD and with MMWD should they occur.**

c. **Facilities & Financing**

1) Novato Water

- Reviewed District financial plan dashboard.
- Assumptions modified to reflect flat water sales, \$2.5M/yr for CIP “Pay-Go” projects, reduce FRC revenue in future and reduce STP production this year and next year due to drought.
- Forecast shows good news! Rate increase and cost control resulted in Novato cash balance on solid footing.

2) Recycled water

- Reviewed recycled water system financial plan update.
- Many assumptions included.
- Plan looks promising at this time with a positive cash balance projected by FY 2013/14 consistent with prior plan.

3) West Marin Water

- Significant projects: Gallagher Pipeline to be Grant Funded and completed in FY15, Solids Handling Facility continues to be delayed due to Local Coastal Program requirements.
- Anticipate purchase of 250AF from MMWD in 2014 to address salinity intrusion due drought related low-flows in Lagunitas Creek.
- Debt to Novato repaid with use of the Bank of Marin loan.

4) Oceana Marin Sewer

- Revenue and expenses stable.
- Major projects added are parallel force main and pond lining.

ACTION:

- **Earlier workshop is better to look at dashboard when rate adjustment needed.**
- **Eliminate prospective new development connection fee revenue from forecasted and look at it only when added to cash balance.**
- **Add line showing # of RW customer by owner, not meters.**
- **Contact Huffman's office re PRS USCG Housing closure and acquisition of additional property.**

c.ii. CalPERS Side Fund

- Reviewed options presented by DLB

ACTION:

- **Continue to monitor and bring back to the BOD should attractive financing or cash on hand be available to pay down the liability.**

c.iii. Admin HQ Relocation

- Updated City of Novato interest on relocating NMWD and GGBHTD bus facility to accommodate N Redwood Blvd development, including Friedman Brothers.
- Staff desires that City make a decision re needed relocation within 2 years.

d. Employees

i. Employee Succession Planning/Staffing Update

- Reviewed charts of FTE history.
- GM believes we're too lean in field staff and should bolster that group.
- Engineering staff likely needs interim augmentation to preserve continuity.

ii. Employee Assisted Housing Program

- Success 53% of staff reside in service area.
- Invested, \$1.25M in loans, \$625K home in PRS and \$572K home in Novato (Gustafson Ct.).
- Employees renting Gustafson property interested in acquisition.

ACTION:

- **Consider options for employee acquisition of Gustafson Ct. property.**

11

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



TECHNICAL ADVISORY COMMITTEE

MONDAY, MARCH 3, 2014

9:00AM

Utilities Field Operations Training Center


35 Stony Point Road, Santa Rosa, CA

1. Check In
2. Public Comment
3. TAC Recommendation re: 2014 SCWA Water Shortage Allocation Methodology Update
4. Water Supply Conditions and Temporary Urgency Change Petition
5. Biological Opinion Status Update
6. Items for next agenda
7. Check Out

MEMORANDUM

To: Technical Advisory Committee

February 26, 2014

From: Chris DeGabriele, TAC Chairman 

Subj: SCWA Water Shortage Allocation Methodology Update
t:\gm\scwa\tac minutes and agenda\2014\scwa water shortage allocation methodology update.docx

RECOMMENDED ACTION: Recommend WAC Accept the SCWA Water Shortage Allocation Methodology Update

Attachment 1 is the Water Shortage Allocation Methodology Preface Statement from the Water Shortage Allocation Methodology Report prepared for Sonoma County Water Agency by Brown and Caldwell. As stated in the preface statement, the Technical Advisory Committee has been working with the Agency and its consultants since September 2012 on an update of the allocation model. Section 3.5 of the Restructured Agreement requires that the Agency have an adopted Water Shortage Allocation Model available at all times.

At the February 3rd WAC meeting, the WAC and TAC members received a presentation from the consultant on the model.

This model is for a water shortage in the Russian River, not a shortage of Transmission System Capacity. The model is divided into two components: 1) for annual shortage, and 2) for a peak or monthly shortage.

The model as currently established includes recognizing local supplies at 75% of the respected estimated annual quantity and daily capacity and limits Marin Municipal Water District daily capacity allocation to 4MGD from May 1st through September 30th, approximately consistent with their off peak water supply agreement.

It's understood by the parties that available quantities and capacities for local supply will be dependent on circumstances which occur during an actual shortage and the parties have agreed that the model will be adjusted coincident with any actual shortage to reflect the local supply that may be available at that time. The 3-year averages used in developing the model will be updated with the latest available information prior to implementation. The parties have committed to use the maximum local supply capacity available during monthly shortage conditions to benefit local and regional water supply reliability.

The available quantities and capacities of Agency supply in this model update reflect a 3% allowance for transmission system losses, something that was not included in the prior version of the allocation model. The preface statement recommends that these water loss

**March 3, 2014 TAC Mtg
Agenda Item #3**

amounts be verified subsequent to actual deliveries and that the actual transmission system losses be distributed prior to application of any liquidated damages.

Finally, the Restructured Agreement enables the Water Contractors to agree on an alternate allocation methodology provided the Water Advisory Committee unanimously approves such alternate allocation. That option continues to exist should it be needed in the future.

My understanding is that the TAC consensus is to accept the model as now prepared. The WAC will again consider accepting the model at its April 7th meeting and as Chair of the TAC I ask that the TAC recommend the WAC accept the SCWA Water Shortage Allocation Methodology Update.

Allocation Model Preface Statement

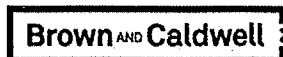
January 29, 2013

Since September 2012, the Technical Advisory Committee (TAC) has been working with Sonoma County Water Agency (Agency) and its' consultant on an update of the Allocation Model (AM) which was originally prepared by Jon Nelson in April 2006 and adopted by the Agency's Board of Directors on April 18, 2006. The Restructured Agreement for Water Supply (RA) requires the Agency to have an adopted water shortage allocation methodology available at all times, consistent with RA Section **3.5 Shortage of Water and Apportionment**, to inform each Customer of the water that would be available to that Customer pursuant to the terms of RA Section 3.5(a). The methodology is reflected in an excel spreadsheet calculation which distributes available supply or available capacity to the Water Contractors, Marin Municipal Water District (MMWD) and Other Agency Customers. To date an Ad Hoc committee of the TAC has reviewed, commented and recommended changes to the proposed AM update for both Annual Allocation and Monthly Allocation Models for water available in the Russian River (RA Section 3.5(a)). Neither the TAC nor the Agency has yet dealt with the methodology or model to consider a temporary impairment of the capacity of the Transmission System pursuant to RA Section 3.5(b).

The TAC recommendations, now incorporated in the AM update, include recognizing local supplies at 75% of the respective estimated annual quantity and daily capacity and is based on a MMWD daily capacity allocation of 4MGD from May 1 through September 30. The parties acknowledge that the available quantities and capacities for local supply will be dependent on circumstances occurring from time to time during an actual shortage condition and agree that the AM will need adjustment coincident with the actual shortage to reflect the local supply at that time as was done in 2009. The parties are committed to use the maximum local supply capacity available during monthly shortage conditions to benefit local and regional water supply reliability.

The parties acknowledge that the available quantities and capacities of Agency Supply in the AM reflect a 3% allowance for Transmission System Losses and recommend that these amounts be verified subsequent to actual deliveries and the actual Transmission System losses be distributed prior to application of liquidated damages pursuant to Section 3.5(e) of the RA.

Furthermore, RA Agreement Section 3.5(f) enables the parties to agree on an alternate allocation methodology, provided the Water Advisory Committee unanimously approves such alternate allocation methodology.



12

DISBURSEMENTS - DATED FEBRUARY 20, 2014

Date Prepared: 2/18/14

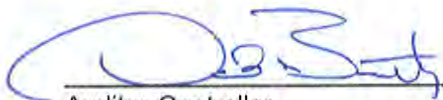
The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

Seq	Payable To	For	Amount
1	Agrichem Services	Refund Security Deposit on Hydrant Meter Less Final Bill	\$1,182.06
2	AWWA-CA-VA SEC	Reg Fee: H2O Know for Water Operators (On- Line Class to Maintain D-1 Certification) (Venegas)	229.00
3	Bank of Marin	Bank of Marin Loan Principal & Interest (Pymt 28 of 240)	46,066.67
4	Butti, Lou	Retiree Exp Reimb (Monthly Health Ins)	349.23
5	Calif Public Health Services	Water Distribution Operator Certification Grade D2 Renewal (7/14-7/15) (Kane) (Budget \$0) & Water Distribution Operator Certification Grade 1 Renewal (5/14-5/17) (Rupp) (Cost \$120, Budget \$70)	200.00
6	Calif Employment Dev Dept, Sta	Unemployment Ins Claim (10/1/13-12/31/13) (Crump)	595.00
7	California State Disbursement	Wage Assignment Order 2	1,018.50
8		Uninsured Medical Reimbursement	1,905.84
9	Diggs, James	Retiree Exp Reimb (Monthly Health Ins)	1,017.68
10	Ghilotti Bros	Refund Security Deposit on Hydrant Meter Less Final Bill	240.76
11	Grainger	Particle Mask Filters (10), Flashlights (3) (\$132), Under Cabinet Lights (2) (Cons Svcs Office) (\$118), Wire, Telemetering Cable Tester, Replacement Atmosphere Testers (\$508) & Telemetering Cable Splices (2)	1,233.93
12	Haase, Daniel	Novato "Washer Rebate" Program	50.00
13	Hach	Pt Reyes TP Turbidity & Chloriine Sensors	456.26
14	Hoover, Svamhild	Novato "Washer Rebate" Program	50.00

Seq	Payable To	For	Amount
15	Hou, Wenkang	Novato "Washer Rebate" Program	50.00
16	InfoSend	Jan Processing Fee for Water Bills (\$1,503) & Postage (\$4,188)	5,690.89
17	Keating, Maureen	Novato "Washer Rebate" Program	50.00
18		Uninsured Medical Reimbursement	15.00
19	Lemos, Kerry	Exp Reimb: Safety Boots (James Lemos)	184.44
20	LGVSD	Recycled Water Deliveries (7/1/13 - 12/31/13) (35.1 MG)	49,199.27
21	Lincoln Life	Deferred Compensation PPE 2/15	12,234.56
22	Maltby Electric	Electrical Conduit & Fittings	491.57
23	Marin County Recorder	Copy of Official Records (Jan)	6.00
24	Marin Trophies & Treasures	Generator Transfer Switch Labels (18)	68.67
25	Matchette, Tim	Retiree Exp Reimb (Monthly Health Ins)	349.23
26	McLellan, WK	Misc Paving: Novato Area (191 S.F.)	1,613.25
27	MegaPath	DSL Internet (2/12/14 - 3/11/14)	142.88
28	Michaelis, Elroy	Novato "Washer Rebate" Program	50.00
29	MSC Industrial Supply	Fitting for Electrical Pump @ STP	30.96
30	Nationwide Retirement Solution	Deferred Compensation PPE 2/15	1,025.00
31	Pace Supply	Ells (28), Flanges (4), Hydrants (4) (\$6,516), Nipples (6), PVC Pipe (260') (\$2,361), Reducer, Couplings (7), Tees (2) & DDCV (2) (\$523)	11,732.58
32	Pape Machinery	Hose (3) (\$108) & Fittings	278.70
33	NMWD Petty Cash	Petty Cash Reimbursement: Safety Bucks, Safety Snacks, Mileage, Batteries & Coffee Supplies for Backflow Meeting	107.70
34	Phillips & Associates	February O&M of O.M. Wastewater Treatment System	5,311.43
35	Roberts, Renee	Retiree Exp Reimb (Monthly Health Ins)	349.23

Seq	Payable To	For	Amount
36		Uninsured Medical Reimbursement	65.00
37	Roy's Office Repairs	Typewriter Repair (Accounting Dept)	110.00
38	Sebastopol Bearing & Hydraulic	Hitch, Pins, Bolt & Pump Seal (STP)	223.73
39	Seifert, Janet	Novato "Washer Rebate" Program	50.00
40	Shanahan, Shirley	Novato "Toilet Rebate" Program	100.00
41	Spencer, Sharon	Novato " Toilet Rebate" Program	100.00
42	Staples	Heavy Duty Staples (Eng)	10.89
43	SuperMedia	Quarterly Telephone Directory Charge	49.21
44	Syar Industries	Asphalt (7 tons)	806.11
45	Taylor, Karen	Novato "Cash for Grass" Program	350.00
46	US Bank	January Safekeeping Fee - Treasury Securities	55.75
47	White & Prescott	Engineering Services: Klatte Driveway (Balance Remaining on Contract \$32,205)	360.00
48	Wilson Bohannan	Brass Padlocks (40)	326.03
49	Winzer Corporation	Floor Sweep & Grinding Disks (10) (\$87) Loose Absorbent for Spills (12-28 oz boxes)	242.94
50		Child Care Reimbursement	600.00
		TOTAL DISBURSEMENTS	<u>\$147,025.95</u>

The foregoing payroll and accounts payable vouchers totaling \$147,025.95 are hereby approved and authorized for payment.



Auditor-Controller

2/13/14
Date



General Manager

2/18/14
Date

DISBURSEMENTS - DATED FEBRUARY 27, 2014

Date Prepared: 2/25/14

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 2/15	\$112,029.48
EFT*	US Bank	Federal & FICA Taxes PPE 2/15	48,215.38
EFT*	State of California	State Tax & SDI PPE 2/15	8,373.15
1	AC3	STP Chlorine Room Crane Repair	2,000.00
2	Agile Business & Technology	Timesheet Program Enhancements (Prog Pymt #1, \$3,514 Remaining)	6,096.25
3	Allied Heating & Air Condition	Quarterly HVAC Maintenance (12/1/13-2/28/14)	397.19
4	Alliquip Universal	Suction Hose Couplings (8)	356.71
5	Alpha Analytical Labs	Lab Testing (Novato)	163.00
6	Arendell, Tony	Exp Reimb: Class to Obtain General Contractor's License	1,515.50
7	Baker, Steven	Novato "Toilet Rebate" Program	300.00
8	Brandt, Rick & Leigh	Novato "Washer Rebate" Program	50.00
9	CA Department of Public Health	To Replace Cancelled Check - Wrong Amount & Drinking Water Distribution Operator Certification Renewal (Garrett) (8/14-11/17) (\$90) (Budget \$0)	190.00
10	CalPERS Retirement System	Pension Contribution PPE 2/15	48,016.01
11	CalPERS Health Benefits	March Health Insurance Premium (Employees \$52,176, Retirees \$10,734 & Employee Contrib \$9,949)	72,858.95
12	Clarke, Kevin	West Marin "Toilet Rebate" Program	100.00


Seq	Payable To	For	Amount
13	Core Utilities	Consulting Services: January IT Support (\$5,000), SCADA (\$375), Troubleshoot Kastania Communications (\$1,850), Website Modifications (\$875) & Lockbox Testing (\$875)	8,975.00
14	Covello Group	Construction Management Services: RW Pipeline Expansion (Balance Remaining on Contract \$3,482)	690.00
15	Craig, William T	Novato "Washer Rebate" Program	50.00
16		Cafeteria Plan-Uninsured Medical Reimbursement	177.24
17	Dell Computers	Replacement PC (McIntyre)	741.56
18	Draeger, Richard & Loree	Novato "Washer Rebate" Program	50.00
19	Drager Safety	Annual Fit Test of SCBA (STP) (3 Devices, 5 Employees)	842.70
20	Dunbar, Mikele	Novato "Toilet Rebate" Program	196.00
21	Electrical Equipment Co	RTU Hands-Off Switches (24)	132.11
22	Evoqua Water Technologies LLC	Service on Deionization System	235.35
23	Farwest Corrosion Control	Scotchkote (6 qts)	211.58
24	Charles Z. Fedak	Progress Billing #5 on FY2013 Audit (Balance Remaining on Contract \$560)	2,500.00
25	Ferragamo, Ron	Novato "Washer Rebate" Program	50.00
26	Fisher Scientific	Buffer, Magnesium, Ammonium, Calcium, Lithium, Potassium, Copper Ref Standard, Chlorine Reagent & Plastic Flasks (Lab)	698.64
27	GHD	Engineering Services: Aqueduct Relocation (Balance Remaining on Contract \$57,918)	273.00
28	Golden Gate Petroleum	Gasoline (\$3.46/gal) & Diesel Gasoline (\$3.77/gal)	6,502.44
29	Grainger	Replacement Atmosphere Testers (\$4,964) & Hook-Style Door Holder (Lab)	5,000.92
30	Griffin, John	Novato "Toilet Rebate" Program	300.00

Seq	Payable To	For	Amount
31	Guijarathi, Karen	Novato "Toilet Rebate" Program	100.00
32	Hach	DPD Dispenser for Portable Chlorine Kit (Lab)	147.77
33	Hobson, Edmund	Novato "Toilet Rebate" Program	300.00
34	Jim-n-i Rentals	Steel Plate Rental (8) (1 Day)	412.22
35	KTA-TATOR	Peer Review of District's Tank Coating Specifications (Balance Remaining on Contract \$8,271)	4,609.15
36	Kunin, Ben	Novato "Toilet Rebate" Program	300.00
37	Lamboy, Manuel	Novato "Toilet Rebate" Program	100.00
38	Lorman Education Services	Reg Fee: Prevailing Wage Law in California Seminar (Chandrasekera) (3/7/14)	329.00
39	Majauskas, Pam	Cut & Remove 4 Pine Trees @ 4 San Antonio Rd	800.00
40	MSC Industrial Supply	Male Connectors (8)	10.24
41	Mutual of Omaha	March Group Life Ins Premium	694.28
42	Novato Disposal Service	January Trash Removal	419.94
43	Office Depot	Drawer Organizers (4), Hanging File Folders, Highlighters (12), Heavy Duty Binders (2), File Tote Boxes (2) & Bankers Boxes	74.90
44	Optek-Danulat	Repair Converter for Chlorine Dioxide Generator (STP)	1,599.73
45	Pace Supply	Meter Couplings (7)	108.43
46	Pollard Water	Hydrant Adapters (2)	170.03
47	Roberts & Brune	1" Angle Meter Stops (34)	1,369.37
48		Uninsured Medical Reimbursement	42.41
49	Schaber, Ralph	Novato "Toilet Rebate" Program	100.00
50	Shorten, Jamie	Novato "Washer Rebate" Program	50.00
51	Sonoma County Water Agency	January Contract Water	455,555.17


Seq	Payable To	For	Amount
52	SPG Solar	Energy Delivered Under Solar Services Agreement (January 2014)	7,754.21
53	Staples Business Advantage	Quarterly Office Supply Order: Self Inking Date Stamp (Adm), Folders (2), Self Adhesive Fasteners (200), Correction Tape (30), Certificate Picture Frame, Scratch Pads (12) & Copy Paper (60 reams) (\$215)	378.41
54	State Board Water Resources Control Board	Treatment Plant Operator-In-Training Application Fee (Garrett)	170.00
55		Cafeteria Plan-Uninsured Medical Reimbursement	73.05
56	Teeters & Schact	Seat Repair ('01 Dodge Ram)	865.00
57	Township Building Services	Jan Janitorial Services	1,796.84
58	Uline	Clear Plastic Storage Boxes (6)	70.38
59	Umpqua Bank	Release of Maintenance Guarantee Posted for 999 Grant Avenue Project	4,500.00
60	United Parcel Service	Delivery Charge: Returned Lab Supplies - Wrong Item Ordered	19.59
61	VWR International	Detergent (Lab)	90.43
62	Wiley Price & Radulovich	Consulting Services: Employee Handbook Review, Personnel File Access & Promotion/Seniority Issue	465.00
63	Woods, John	Novato "Toilet Rebate" Program	200.00
		TOTAL DISBURSEMENTS	<u>\$811,963.71</u>

The foregoing payroll and accounts payable vouchers totaling \$811,963.71 are hereby approved and authorized for payment.

 2/24/14
 Auditor-Controller Date

 2/24/2014
 General Manager Date

MEMORANDUM

To: Board of Directors
 From: Dianne Landeros, Accounting/HR Supervisor 
 Subj: Direct Deposit of Disbursements
t:\finance\memos\bod vendor direct deposit update 2014.docx

February 28, 2014

RECOMMENDED ACTION: Information

FINANCIAL IMPACT: Savings Goal: \$1,350 annually; Average Annual Actual Savings: \$857

As a cost savings measure, beginning June 2011 the District implemented Direct Deposit (ACH) of disbursements to employees, retirees and Directors, and then in February 2012 to vendors paid more than one time per year. The table below shows the total number of payments processed vs the number of ACH payments and the cost savings.

Staff's goal is to reach \$1,350 savings and process 50% of disbursements by ACH. Our efforts to date have reduced check payments by 2,060, resulting in an annual average savings of \$857¹ (63% of the \$1,350 goal). US Bank says that their clients are processing about 10-15% ACH payments; thus the District is more than twice the average of companies using ACH. Staff continues to encourage vendors to enroll in direct deposit; and all new vendors are asked to enroll. We are adding about three vendors per month.


Time Period	Number of Months	Total Number of Payments Processed	Number of ACH Payments	% of ACH Payments	Cost Savings¹
June 2011 - January 2012	8	2,519	133	5%	\$116
February 2012- January 2013	12	3,298	989	30%	\$860
February 2013- January 2014	12	3,069	938	31%	\$854

¹Savings calculated as cost of postage, check stock, envelopes + staff time stuffing envelopes & reconciling checks
June 2011 - January 2013: postage, check stock, envelopes (\$0.63/check) + staff time (\$0.24/check) = \$0.87/check
February 2013 - January 2014: postage, check stock, envelopes (\$0.63/check) + staff time (\$0.28/check) = \$0.91/check

MEMORANDUM

To: Board of Directors

February 28, 2014

From: Dianne Landeros, Accounting/HR Supervisor 

Subj: Information – Baywork Signatory

t:\finance\baywork\bod memo baywork signatory.docx

RECOMMENDED ACTION: None

FINANCIAL IMPACT: \$600 Annual Dues

The District plans to become a Signatory of Baywork, a consortium of Bay Area water and wastewater utilities working together to ensure that we will have the reliable future workforce needed to serve our customers and protect the environment. Baywork was formed to:

- Help develop qualified candidates for mission-critical jobs (mainly water and wastewater treatment and distribution operators, electrical/mechanical technicians, engineers)
- Provide staff with the information they need to do quality work
- Optimize use of available staff
- Maximize cost-effectiveness of workforce development through collaboration

District staff has been involved in Baywork for several years now, helping plan some of their workshops, presenting at workshops, and attending several of their events. The benefits of being a Signatory to the District include:

- Training provided by Baywork (most workshops eligible for certification contact hours) at no cost
- Training provided by other agencies – can piggyback on other agency training programs for confined space, safety training, various other programs at low cost
- Sharing of ideas with other agencies
- Resource for problem solving with other agencies
- Voice in the mission and plans for Baywork activities each year

Attachment 1 is a current list of Baywork Signatories. To find out more about Baywork, visit their website at www.baywork.org.

BAYWORK Signatories

t:\finance\baywork\signatories list.docx

Alameda County Water District
Bay Area Community College Consortium
California-Nevada Section of the American Water Works Association
Central Contra Costa Sanitary District
City of Hayward
City of San Jose
City of Sunnyvale
Contra Costa Water District
Delta Diablo Sanitation District
Dublin San Ramon Services District
East Bay Municipal Utility District
Marin Municipal Water District
Napa Sanitation District
North Coast County Water District
San Francisco Public Utilities Commission
San Jose Water Company
Santa Clara Valley Water District
Union Sanitary District
West Valley Sanitation District
Zone 7 Water Agency

FAX: Pt. Reyes Light 663-8458
Email: West Marin Citizen - editor@westmarincitizen.com

Wednesday, February 26, 2014

Contact: Chris DeGabriele, General Manager, (415)897-4133

PRESS RELEASE

Dry Year Conditions on Lagunitas Creek for NMWD

Low rainfall has resulted in dry year conditions to be in effect on Lagunitas Creek. The dry year conditions may trigger declaration of a water shortage emergency and implementation of water shortage contingency measures for North Marin Water District West Marin customers. A final determination will be made on April 1st.

Customers are urged to use water wisely and participate in NMWD water conservation programs. Visit www.nmwd.com and click on the Conservation tab to learn more about the NMWD water conservation programs. For more information contact NMWD water conservation staff at (415)897-4133.

Bakersfield public works chief named to head Marin County department

Posted:

marinij.com

Bakersfield public works chief Raul Rojas will join Marin County's staff as public works director March 24.

The 54-year-old Rojas, Bakersfield's public works director for 20 years, will replace Bob Beaumont, who is retiring.

County supervisors, who selected Rojas after interviewing three finalists in a closed session last week, are scheduled to affirm their decision on Tuesday. The post pays \$197,000 a year.

Rojas submitted his resignation to Bakersfield City Manager Alan Tandy Wednesday morning, with Tandy expressing regret that Rojas is leaving the \$166,000 city job.

"He's been very productive," Tandy said. "He's an excellent employee, and I'm sorry to see him go."

Asked what Marin County should know about Rojas, Tandy said, "He's very conscientious, and responsive to the public."

Marin County officials offered an enthusiastic welcome.

"I am very pleased that Raul has decided to make the move to Marin," said Kate Sears, president of the Board of Supervisors. "With his great experience and collaborative style, he will be a terrific addition to the county's management team." Sears said top officials "are confident that he will collaborate with all our community partners to address the important issues we face such as watershed management, climate change and sea-level rise." Rojas also drew praise from County Administrator Matthew Hymel.

Rojas, calling Marin an "exciting county," said he was thrilled to join the Civic Center staff and looked forward to working with top management as officials promote "the progress that's been made on environmental issues."

The move from Bakersfield, a go-go growth community, to slow-to-no-growth Marin will be a big change, Rojas noted.

"That's part of the challenge and part of the excitement," he said.

Rojas, in charge of 420 employees and a \$111 million budget in Bakersfield, takes command of a Marin public works staff of 226 and a budget of about \$43 million. He brings extensive experience in big projects spanning a range of public works, including a \$1.3 billion freeway improvement effort, \$220 million sewer project and construction of a 10,225-seat sports and concert arena.

Rojas earned an engineering degree from the University of Southern California in 1981 and worked for the city of Los Angeles for eight years, then served in posts in Pico Rivera and Upland, before joining Bakersfield's staff in 1994. He left Bakersfield in 2001 to serve briefly as deputy Los Angeles city engineer, but bowed to family wishes and returned to the Bakersfield job.

Beaumont, who steps down March 28 after a 31-year career with the county that began when he was hired to head road repairs following the devastating Great Storm of 1982, said Rojas will step into a wonderful organization with a strong and dedicated staff.

The 64-year-old Beaumont, who has held the top job since 2011, added that after spending half of his life working for the department, "it's rewarding to be able to hand over the reins to someone of his caliber."

Rojas will receive a \$10,000 "relocation" allowance and an annual \$10,000 car allowance, among other perks.

Rojas and his wife, Colleen, have two sons.

Contact Nels Johnson via email at njohnson@marinij.com. Follow him at twitter.com/nelsjohnsonnews



Sir, I'm Going to Make You a Star

you're going to take me to dinner
you're going to twinkle all night

Sir & Star

At The Olema

just far enough away
since 1876

reopening on valentines weekend
663.1034
the.olema.com

*West
marin
citizen
02/13/14*

Nicasio Community Water Meeting

Well, well, well...we need to talk about water!

7 pm, Thursday 2/27, Rancho Nicasio: Many households in Nicasio have historically depended on intermittent deliveries of trucked water to supplement their needs when household wells or springs stop producing sufficient water. In the current drought, it is clear that many more households in our community are or may soon be facing this requirement. Despite recent rains, the impact of drought will continue to be of critical concern to our community.

Due to the current drought and water limitations faced by all Marin and Sonoma water districts, the Nicasio Land Owners Association (NLOA) has been made aware that the usual emergency water supplies are at risk of curtailment or complete cessation. With virtually all water districts in the region preparing for mandatory water rationing such curtailments could begin as early as this Spring. Nicasio residents who have been buying trucked water may find their providers unable to continue deliveries.

The Nicasio Landowners Association has been actively meeting with local legislators and water districts to identify both short and long term solutions to this problem. We have reached a point where it is necessary to meet as a community to identify the scale of the problem and our commitment to invest in a solution. Clearly, any solution will require some investment and collaborative effort by those interested in participating.

We strongly encourage all members of the community with an interest in water security to attend the meeting on February 27. At the meeting we will be polling attendees about their willingness to participate in funding a water access solution. We will have specific proposals for presentation and will need commitments as soon as possible. Our target is to have a short-term solution in place in April. We will need to act quickly. We are also asking anyone who has not yet submitted a response to the community water survey to please do so at their very earliest convenience.

https://docs.google.com/forms/d/1C_zx1npMdhVE43tG-HGz3hyl3mNpWrLpTstgTY-tOLO/viewform

If you are interested in participating in a collaborative water solution, come to the meeting so that your voice and concerns can become part of the community planning process.

Meeting begins at 7pm. In addition to its regular dinner and bar menu, the Rancho will offer a "Blue Plate Special" (chicken, salad and dessert for \$10.95). Those planning to eat at the Rancho should call 662-2219 to make a reservation for dinner starting around 6 pm.

Jennie Allen Golde

Board Member, Nicasio Land Owners Association

(415)328-8877 (C)

(415)662-2653 (H)

AllenGolde@gmail.com

The Press Democrat

Environmentalists' warning irks grape growers

By **DEREK MOORE THE PRESS DEMOCRAT** on February 21, 2014, 7:52 PM

North Coast grape growers are weeks away from having to make crucial decisions about how much water to use for frost protection, but already are facing what is widely interpreted as a threat of being sued by environmental groups over potential harm to fish habitats.

Three Sonoma County organizations, including one with a long history of filing lawsuits, sent letters to hundreds of growers and vineyard managers in Sonoma and Mendocino counties outlining concerns about water draw-downs harming federally protected salmon and steelhead.

The four-page letter notes that many vineyard managers are “working diligently” to prevent extinction of fish species. But it also addresses concerns about placing “profit above compliance with the law” and states growers who are “known” to violate federal law will be publicly identified on the website for California River Watch, or sued by the organization.

Sebastopol-based River Watch has a controversial history of suing companies, cities, sanitation districts and individuals for environmental reasons. But Jack Silver, an attorney who founded the organization in 1996, said Friday the letters sent to growers should not be viewed as a threat of litigation.

“I understand farmworkers don't like someone telling them their business, but at the same time, if they're not violating the law, they shouldn't be looking at this as a threat,” he said.

But many growers, who feel pressured by historic drought conditions to save their crops while also protecting the environment, took exception to the letters, which were mailed earlier this month.

“People are upset and probably insulted because of the work we've done and the leadership we've shown,” said David Koball, vineyard director for Fetzer and Bonterra wineries in Mendocino County.

Several members of the Sonoma County Board of Supervisors denounced the letters this week.

“My only wish is that we all work together to balance the needs of people and the environment,” said David Rabbitt, the board's chairman. “I think there are better ways than sending threatening letters.”

West county Supervisor Efren Carrillo also was critical, saying environmentalists and farmers should be able to “work together rather than pointing fingers and tossing lawsuits back and forth.”

Still, Koball was not personally offended by the two letters he received from River Watch — one for his work at the wineries and the other related to a pond he is building on 15 acres he and his wife purchased in Ukiah.

“You need to take emotion out of the whole thing and look at your own actions,” he said.

He said he's not concerned about Fetzer, Bonterra or his “teeny little vineyard” running afoul of any laws.

Silver could not provide an exact number of growers who were sent letters, but he said it was in the hundreds. Alan Levine with Coast Action Group and Larry Hanson with Forest Unlimited also signed the communications.

River Watch obtained the names of Sonoma County growers through a California Public Records Act request with the county's Agricultural Commissioner, who keeps records of growers who file frost protection management plans.

"I don't think growers are taking this too lightly," Ag Commissioner Tony Linegar said Friday.

Linegar declined to provide The Press Democrat with a list of growers whose names were obtained by River Watch and referred the matter to the county counsel.

The letters drew a mixed response from other environmental groups.

Don McEnhill, executive director of Russian Riverkeeper, a conservation nonprofit agency, said he interpreted the letters as "mostly being helpful in providing information and alerting the growers" that they are being watched. He said that strategy is "better than waiting until after a fish kill and then filing a lawsuit."

He said the Riverkeeper's board of directors opted for a different strategy, which is "engaging directly with the industry."

"The environmental community needs to make a good-faith effort to reach out to the industry and address their problems in a positive way," McEnhill said.

Victoria Brandon, chairwoman of the Redwood Chapter of the Sierra Club, said the organization would never threaten to sue without the intention of actually doing so.

"I would never put that in a letter without firm legal backing or plans to follow through with it," she said.

Silver, however, made the case that groups such as River Watch are providing enforcement actions that state and federal agencies are incapable of because of staffing shortages.

The environmental group most recently settled with the Town of Windsor for alleged violations of the Clean Water Act related to sewer overflows and leaks. As part of the agreement, the town is paying River Watch \$45,000 in attorney's fees.

In past lawsuits, River Watch defendants also have agreed to fund small environmental restoration projects, water testing programs and studies documenting the health of waterways.

The letter to growers encourages people to report potential violations of the Endangered Species Act to any number of organizations, including the Sonoma County District Attorney's Office or state Department of Fish and Wildlife.

"We're not intending to file a lawsuit. We're trying to get agencies to bring actions," Silver said.

Levine, with Coast Action, said the message is to "encourage people to be good," and to employ better

water-use techniques, although none are specified in the letters. Levine gave as an example growers taking water only when it is plentiful and to store it for future use.

“I would hope the letter would encourage that, but some people just don't want to go there,” he said.

Many growers say they already are taking such measures.

Doug McIlroy, director of winegrowing at Rodney Strong Wine Estates, said the letters are “telling us what we already know.”

The wine industry has been motivated to change its water ways in part because of lingering fallout from fish-threatening drain on the Russian River that occurred in 2008 and 2009, when growers turned on their sprinklers to protect their vines as temperatures dropped below freezing.

In 2011, state regulators took aim at the practice of diverting water from the Russian River for frost protection, which federal officials cite as a primary cause of mass strandings for federally protected salmon and steelhead runs in the river. Growers, who contest those claims, challenged the rules in court. The case currently is on appeal.

Growers say they've spent millions of dollars on building reservoirs, sinking new, deeper wells and buying wind machines to avoid taking water in ways that impact the Russian River during cold spells.

Koball said Fetzer, which has about 950 acres in the upper Russian River watershed, has spent about \$800,000 on measures that include building two ponds. He said Fetzer has about 20 acres dependent on river water for frost protection, and that if drought conditions persist, the winery is “fully prepared to let those acres go.”

Dozens of growers gathered Friday at the Sonoma County Fairgrounds in Santa Rosa to discuss ways of saving water, and their crops. A similar workshop was held two weeks ago in Cloverdale.

“It is unfortunate in these extreme drought times that it appears some people would rather wait to see if something negative happens versus working towards a positive or at least a collaborative solution,” said Karissa Kruse, president of Sonoma County Winegrowers.

Silver said River Watch is concerned only with a “handful of bad players” he said will flout the rules no matter what.

“They're not going to care about education, or about outreach,” he said. “All they care about is the bottom line and their profits.”

The full text of the letter can be found at ncriverwatch.org/legal/current/index.php.

(You can reach Staff Writer Derek Moore at 521-5336 or derek.moore@pressdemocrat.com. On Twitter @deadlinederek.)

North Coast grape growers are weeks away from having to make crucial decisions about how much water to use for frost protection, but already are facing what is widely interpreted as a threat of being sued by environmental groups over potential harm to fish habitats.

G1 BOD MISC
G2 RYM

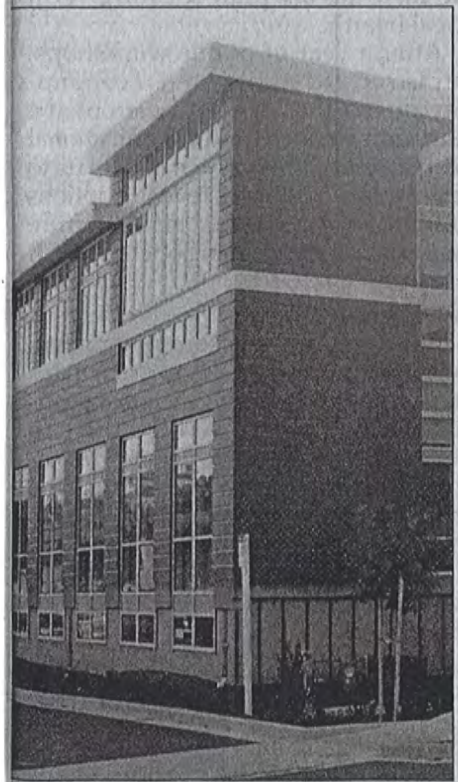
Guide

Novato
City Guide
2/26/14

n an epic year

Novato the heart of the North Bay

SUBMITTED BY MICHAEL FRANK
Novato City Manager



COURTESY PHOTO

United community: (Top) Novato's new City Administrative Offices building opened in November after nearly 50 years of failed attempts to bring the building back downtown. The city will save \$700,000 annually in rent. (Left) A group of Novato Unified School District students smile for the camera.

What a great year. As I was developing my fifth State of the City Address, I reflected on where we have been. Just a short time ago, we were reeling from an unrelenting, prolonged recession that changed the way cities – especially those in California – do business.



Frank

So, where do you go when coming out of the worst recession and the most trying economic times of our generation? You look for opportunity, you seize the moment and you position yourself for the future. And that's exactly what we have, are, and will be doing. Over the past year, we've accomplished the memorable and the historic, which also sets the stage for 2014:

1.) Our Housing Element was certified. As one of our council members so aptly put it, Novato's state-approved housing element was "tailored to fit Novato."

After a four-year process of extensive community input, discussion, and controversy, our staff, working with the state, was able to strike a balance between promoting the interests of our community and meeting a state mandate.

See **CITY G2**

CITY: City manager looks to move forward

From G1

Now we are able to focus on our General Plan Update, which started with the recent community visioning process for North Redwood Corridor, one of the last developable, commercially-zoned properties in Novato.

2.) Our offices and staff are back downtown. After 50 years of failed attempts, we have finally come back to our roots, to our home, to our city center. We moved into our new, environmentally-friendly City Administrative Offices building in November, at a savings of \$700,000 annually in rent. Come visit us.

3.) Our economic development efforts are reestablished and gaining traction. We have made substantial progress on local and regional economic development initiatives.

We completed a retail sales tax leakage analysis, partnered on a downtown theater study, kicked-off a successful citywide "Shop Local" campaign, and in partnership with the Buck Institute, convened a four-county Bio-Tech/Life Sciences Initiative to attract the bioscience industry to Novato and make the North Bay the next bioscience hub.

4.) Our crime rates continue to be at an historic low. We are grateful for the efforts of our police department - there has been another year of decreased crime.

5.) Key property acquisitions: The city acquired 93 acres of open space. By partnering with the Trust for Public Land, we have the potential to lift the federal restrictions on city-owned Hamilton properties, and place them on this open space property.

Not only are we getting additional open space, but our goal is to get development interest to renovate these historic buildings. The city purchased the Historic Downtown Train Depot at the end of Grant Avenue, from SMART, which allowed us to own this historic building and create additional downtown parking.

6.) Our community is connected and the city is transparent. With the

constant advances in technology, and with a strong commitment to keeping our community "IN THE KNOW," we are meeting our residents where they are.

Last year, I met individually with dozens of community members on 12 different occasions through my "Frankly Speaking" series, and was able to address issues important to you, and also got to know my neighbors, and the city, even better. We also launched Open Novato, an online tool to better engage our constituents that want to weigh-in on issues that affect them, but who may not have the ability to attend our meetings.

7.) Our financial house is in order. We now have a plan for long-term fiscal health.

After a year of public workshops, infrastructure studies and a community survey, the city council adopted a long-term Financial and Organizational Sustainability Plan, which allows us to now explore additional revenue options to address service levels, infrastructure maintenance and ongoing operations.

Moving forward

Building on the accomplishments, momentum and the opportunities before us is a collective responsibility. No longer can we kick the can down the road or hope our infrastructure takes care of itself. Imagine what we can do together and let's be the community we want to be.

- A community with strong neighborhoods with vibrant, neighborhood-serving business areas
- A community that is financially and organizationally healthy
- A community that is GREEN, well-managed and sustainable
- A community that continues to be safe and supports a healthy lifestyle
- A community that inspires!

Thanks to all of you for helping us - your city staff and council - accomplish so much together and preparing a brighter future for Novato.

For more information, visit cityof-novato.org.

West Marin
Citizen
Feb. 20, 2014

to get their feelings about the installation of a three-way stop. An interview with County Public Works and Steve Kinsey's office was planned to find out what the procedure is.

Transient Occupancy Tax

It was suggested that the Village Association join with the Chamber Board to pressure the county for more TOT revenue. The Chamber has met with Steve Kinsey regarding TOT funds, asking for additional help to install restrooms and other services for visitors. The county feels they provide plenty of services and there is no untapped funding available.

announced the resignation of Libby Coleman and the designation of Lynn Axelrod as the new disaster coordinator. Catherine Cook presented her proposal to plant native grasses around buildings and other landscaping ideas including her vision of downtown spaces tended as Monet's gardens in France.

The Point Reyes Village Association meets at the Dance Palace the second Thursday of each month from 7:15 pm- 8 pm. President of the Board is Ken Otter. All residents are welcome to attend. - Reported by Linda Petersen

separate area requirements.

However, it is exactly what the office brought. The problem is from a dairy operation and a conspiracy posited?

"There are no doubt sure that all the customers believe

Most fear that heavy financial choices must reimburse this magnitude

Unfortunately, more valuable: 2006, Singleton developer planning market began in

In May 2012 adding hogs, but

County Superintendence, and pe

"Rancho's massive County's agricultural impact on

North Marin Water District awarded \$1.486M grant for West Marin pipeline

North Marin Water District (NMWD) has been awarded a grant of \$1,486,000 for the Gallagher Pipeline Project to improve water quality for West Marin customers. NMWD currently serves its West Marin water service area from wells adjacent to Lagunitas Creek in Point Reyes Station. Those wells supply drinking water to the communities of Point Reyes Station, Olema, Bear Valley, Inverness Park, and Paradise Ranch Estates, and are subject to periodic salinity intrusion from the adjacent Tomales Bay. NMWD developed an additional well, upstream of any tidal influence and potential salinity intrusion from Tomales Bay on the Gallagher Ranch, also adjacent to Lagunitas Creek. The Gallagher Pipeline Project is approximately 1-mile in length and will connect the Gallagher Well to the existing Point Reyes water treatment plant. The project is expected to be completed in the fall of 2014.

NMWD Board President Dennis Rodoni stated "This is a big deal in assuring water quality for the future. The NMWD staff and Board have been proactive over the past decade to seek grant funding for this project and those efforts will now benefit NMWD's 775 West Marin customers."

The grant is made available by the California Department of Public Health under the Proposition 50, Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 to assist the NMWD's West Marin service area in meeting safe drinking water standards for its domestic water supply.

For further information, please contact Drew McIntyre, NMWD Chief Engineer at (415) 897-4133 ext. 8510.



West Marin's Pulit

Nicasio water

continued from page 1

Volume LXVII No Nicasio seeking crisis water

by Samantha Kimney

The village of Nicasio does not lie far from Marin Municipal Water District's second largest reservoir, but in times of drought, there is no succor to be had from the neighbor. The town, which is outside the district's boundaries, relies solely on a couple hundred private wells.

Now, as a few homeowners are facing urgent shortages, others are expressing interest in a collective emergency water supply.

At a community meeting scheduled for Feb. 27, residents could approve the purchase of water in bulk, a longer-term solution that would likely involve Marin Municipal Water District, is on hold during the drought, and the stresses it is placing on the district.

The Nicasio Land Owners Association has been discussing an emergency water supply for domestic wells for around seven years, but current conditions have pushed the group to investigate a solution that could be implemented as soon as April.

The association itself formed in 1961 out of frustration with the water district for building Nicasio Reservoir to serve growing development in central and East Marin. Six ranches were put out of busi-

ness as a result of the construction.

A recent survey sent out by the landowners association has already led to 90 responses; half of them expressed interest in supplemental water. A different survey circulated a year ago received 45 responses. Of those, a few said they trucked in water regularly, and another 10 trucked every three years or so.

The need for imported water is in part a reflection of the geology of Nicasio, said Patrick McDonnell, a board member of the landowners association and 22-year resident of Nicasio. He said his own home's well goes through sandstone, a rock with open pores that can hold water like a sponge, but most of the area is a mix of Franciscan shale, which is less conducive to wells.

Rebecca Ng, the head of Marin County's Environmental Health Services division, said the county in general is not ideal for wells and that finding productive pockets is often hit-or-miss.

Although residents can buy outside water to cope with lackluster wells, the landowner's board believes even trucked water could be threatened if the drought continues. Mr. McDonnell said the water supply for one company that serves Nicasio was cut off from its own primary supplier; it found another, but the switch revealed the system's fragile nature.

Bill Pardini Trucking, which provides much of the water to Nicasio, declined to comment on its current source.

Another board member, Eric Blantz, said climate change could affect the well-dependent community in unforeseen ways, and that it is incumbent upon the community to figure out solutions now.



WATER: Patrick McDonnell's has been slowed by the district's collective emergency water supply to supplement the town's.

One Nicasio resident who supports an emergency system said that although she had not yet trucked water, she felt it was only matter of time. "I think it might happen soon," she said, adding that it's impossible to know when the well might slow down.

A conversation with the district has been put on hold because of the drought, though it is the drought itself that has people worried. "The eagerness of residents to find an emergency water solution is probably inversely proportionate to the eagerness of the district at any given time," Mr. Blantz said. When water is abundant, residents don't feel the pinch to act; when water is scarce, the district has little incentive to spend time and resources to help.

Macon.com

[Previous Story](#)

[Next Story](#)

Committees approve \$687 million in drought relief

By FENIT NIRAPPIL

Associated Press February 26, 2014 Updated 23 hours ago

SACRAMENTO, Calif. — A \$687 million drought relief plan is headed for floor votes in the Legislature after winning quick approval Wednesday in legislative committees.

Assembly and Senate budget committees passed the bills, a week after the package was announced by Gov. Jerry Brown and the Democratic legislative leaders. California is facing its driest year on record, putting 17 communities at risk of running out of drinking water while forcing farmers in the nation's agricultural heartland to fallow fields and uproot orchards.

The legislation calls for immediate action on the drought, including \$15 million to address emergency water shortages and an additional \$1 million for a public awareness campaign. Most of the money comes from bonds previously approved by voters and will accelerate existing or planned water conservation and recycling projects.

Both houses of the Legislature are expected to vote on the drought legislation Thursday. If Brown signs the bills, as expected, they would take effect immediately.

AB 79 makes changes to the state's 2013-14 budget, creating grant programs for agencies and local governments to bid for project funding. Some specific projects received more funding, such as an additional \$25 million in bond money for Folsom Dam modifications.

"I imagine we'd walk right into a veto if we added any earmarks," said State Sen. Mark Leno, D-San Francisco.

Republican lawmakers have raised concerns about how quickly the legislation is moving and pointed to language in AB 80 they say could affect existing water rights.

"In the rush to do it, and to do it now, I think we need to be careful not to do it recklessly," said Assemblyman Jim Patterson, R-Fresno, at a committee hearing.

Assemblyman Richard Bloom, D-Santa Monica, countered that the package was thoughtfully put together.

"This is an emergency," Bloom said. "We do need to move forward quickly to address this very, very real crisis."

Under the legislation, the State Water Resources Control Board would have new powers to issue fines for illegal diversions of water. The bill was amended in the Senate to stave off fines for unintentional diversions, calming some Republicans concerns.

Representatives of the governor's administration say existing water rights laws will not change, and that the new powers are only in effect during the state of emergency.

Republicans also questioned the Democrats' plan to tap \$40 million from a fund created for projects that will reduce greenhouse gas emissions. Under a landmark program, California businesses pay for emissions and the state is supposed to use the money to fight climate change.

"This is beginning to look more and more like an executive slush fund," said Patterson, who proposed drawing the money from the general fund, the state's main checkbook.

The governor's office says water efficiency and energy efficiency go hand-in-hand. For example, the State Water Project, which supplies 25 million Californians and 750,000 acres of agricultural land, is the state's largest energy user.

The legislative package also will draw \$47 million from the state's general fund to provide food and housing assistance for Californians hit hardest by the drought, primarily in regions heavily dependent on agriculture. Some Democratic lawmakers raised concerns about whether that would be enough.

"It's a pittance," said Sen. Jim Beall, D-San Jose.

The independent Legislative Analyst's Office released a report Friday laying out options for lawmakers to immediately address the drought. Several are included in the relief package, including expanding groundwater management and conservation programs.

But lawmakers would also reduce water consumption by requiring rate hikes, the report says. Legislators can update the state's water rights system by allocating water based on assumptions including that farmers are using water-efficient technology and that homeowners are using low-flow shower heads. These approaches, likely to be controversial, are not included in the relief package.

To meet Californians' long-term water needs, lawmakers are negotiating changes to an \$11.1 billion water bond scheduled to go before voters in November. Republicans are emphasizing dams and reservoirs to increase water storage, while Democrats focus on making more use of existing water and restoring watersheds and ecosystems.

Legislative leaders expect a negotiated bill to come together by early summer.

[Facebook](#) [Twitter](#) [Google Plus](#) [Reddit](#) [E-mail](#) [Print](#)

Join The Conversation

The Telegraph is pleased to provide this opportunity to share information, experiences and observations about what's in the news. Some of the comments may be reprinted elsewhere in the site or in the newspaper. We encourage lively, open debate on the issues of the day, and ask that you refrain from profanity, hate speech, personal comments and remarks that are off point. Thank you for taking the time to offer your thoughts.

[Commenting FAQs](#) | [Terms of Service](#)

[Today's Circulars](#)

Marin Coalition will hold luncheon in San Rafael

Posted:

marinij.com

SAN RAFAEL

The Marin Coalition will hold a luncheon presentation on the topic of water in Marin, including the drought and desalination, from 11:15 a.m. to 1:30 p.m. Wednesday at the McInnis Golf Center, 350 Smith Ranch Road. Speakers will include Krishna Kumar, general manager of Marin Municipal Water District, and Chris DeGabriele, general manager of North Marin Water District. The program includes lunch and a question and answer session.

The cost is \$23 for members and \$25 for nonmembers. RSVP to MarinCoalitionLunch@aol.com with your selection of salmon, pasta or chicken Caesar salad.

Send us your news: We want more news items from Marin's cities and towns. Email them to our City Desk at localnews@marinij.com, mail them to City Desk, Marin Independent Journal, 4000 Civic Center Drive, San Rafael, CA 94903, or fax them to 415-382-7209. For more information about towns in Marin, visit the IJ's website at marinij.com.