



**NORTH MARIN
WATER DISTRICT**

**NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING**
September 4, 2018 – 6:00 p.m.
District Headquarters
999 Rush Creek Place
Novato, California

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Est. Time	Item	Subject
6:00 p.m.		CALL TO ORDER
	1.	APPROVE MINUTES FROM REGULAR MEETING , August 21, 2018
	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 ACTION CALENDAR
	5.	Approve: Budgeted FY19 Coat Concrete Clearwells Project – Approve Bid Advertisement
	6.	Approve: Set a Special Meeting for a Closed Session to Discuss Employee Association Negotiations
	7.	Approve: Granular Activated Carbon Replacement Purchase
	8.	Approve: Letter Supporting Marin County Groundwater Basin Boundary Modification Request
		INFORMATION ITEMS
	9.	FY18 - Water Conservation Year End Report
	10.	FY18 - Engineering Department Year End Report
	11.	MISCELLANEOUS Disbursements – Dated August 23, 2018 Disbursements – Dated August 30, 2018 Opposition to SB 845 (Monning) – Proposed Drinking Water Tax 2019 Medical Plan Cost Decrease

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
		<u>News Articles:</u> Salinity Intrusion Notice (Pt. Reyes Light) – August 30, 2018 Big winter for rain, snow could fill state's reservoirs Supervisors OK \$2.5M for land near Mount Burdell Legal Notice - North Marin Water District Coastal Permit Hearing for PRE Tank 4
6:45 p.m.	12.	<i>ADJOURNMENT</i>

1

DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
 August 21, 2018

CALL TO ORDER

President Fraites called the regular meeting of the Board of Directors of North Marin Water District to order at 6:01 p.m. at the District Headquarters and the agenda was accepted as presented. Present were Directors Jack Baker, Rick Fraites, Michael Joly, James Grossi, and Stephen Petterle. Also present were General Manager Drew McIntyre, District Secretary Terrie Kehoe, Auditor-Controller Julie Blue and Chief Engineer Rocky Vogler.

District employees, Robert Clark (Maintenance/Operations Superintendent), and Tony Arendell (Construction/Maintenance Superintendent) were also in attendance.

Novato resident Tina McMillan and labor negotiators, Joe Wiley and Christopher Boucher were in the audience.

MINUTES

On motion of Director Baker, seconded by Director Joly the Board approved the minutes from the August 7, 2018 meeting as presented by the following vote:

AYES: Director Baker, Fraites, Grossi, Joly and Petterle

NOES: None

ABSTAIN: None

ABSENT: None

GENERAL MANAGER'S REPORT

During the General Manager's report, Mr. McIntyre reported that on August 9th we had our annual employee patio BBQ along with service awards for five employees with a combined 70 years of experience. Mr. McIntyre also announced he attend the TAC Ad Hoc meeting on August 14th with Mr. Vogler and will further discuss this as part of Agenda Item #11. Additionally, Mr. McIntyre brought to the Board's attention a miscellaneous item that refers to the upcoming election on November 6, 2018. He commented that Director Joly is unopposed for the 2-year term, however, there are three candidates running for the two 4-year terms; incumbents, Director Fraites and Director Grossi, and Novato resident Tina McMillan.

OPEN TIME

1 President Fraites asked if anyone in the audience wished to bring up an item not on the
2 agenda and there was no response.

3 **STAFF/DIRECTORS REPORTS**

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

6 Mr. Clark reported that we had a major leak resulting in a loss of a million and a half gallons
7 of water in the Bel Marin Keys area near Highway 101. In addition, another leak was reported near
8 Scottsdale Marsh between Ford Way and Yukon Way. Director Baker asked if the Bel Marin Keys
9 leak was located near the SMART crossing. Mr. Clark stated that the break was near the tracks on
10 a pipeline perpendicular to the freeway. Director Joly asked if a million and a half gallons was
11 considered very large. Mr. Clark replied that it is extremely large when you consider in Novato we
12 use five million gallons for our annual flushing program. Mr. Clark also stated the Scottsdale Marsh
13 leak was under the 330,000 gallon threshold which means we do not need to file any paperwork with
14 the state. In addition, Mr. Clark announced that we started dredging the ponds in Oceana Marin last
15 week. He stated that we now anticipate less sludge than what was originally estimated; therefore
16 the duration and cost should be less. Director Baker wanted to know where the sludge was going
17 and if it was the least expensive location. Mr. Vogler replied that we are taking the sludge to Solano
18 County because it was the most affordable option.

19 **MONTHLY PROGRESS REPORT**

20 Mr. McIntyre reviewed the Monthly Progress Report for July. He reported that water supply in
21 the Agency's two Russian River reservoirs, Lake Sonoma and Lake Mendocino is good at 84% and
22 91% capacity. He added that Novato's water production was up 11% and West Marin was up 10%.
23 He stated that there are still some discrepancies in the production versus consumption numbers for
24 West Marin and it is still believed there may be one or more leaks as the cause as all West Marin
25 production meters were calibrated and found to be accurate. Mr. McIntyre advised that Stafford
26 Treatment Plant production is trailing 30% below last year and Stafford Lake is at 48% capacity and
27 three feet below the average lake elevation at this time of year. He also stated that recycled water
28 production is up 8% over last year and would have been higher except for the fact that no recycled
29 water has been produced at Las Gallinas Valley Sanitary District since April 20th due to mechanical
30 problems requiring a major rehabilitation in process piping. He commented that Las Gallinas
31 expects to have the problem fixed by the end of August. Director Baker inquired if Las Gallinas is
32 confident this issue will be fixed after the piping modifications are made. Mr. McIntyre replied that he

1 assumes that to be the case and their General Manager understands the importance of getting
2 recycled water production up and running again.

3 Mr. McIntyre also advised that everything looks good in Oceana Marin and, under Safety and
4 Liability; we are up to 277 days without a lost time injury. He added that that number of service
5 orders for this month are up 78% due to due the AML project resulting in the generation of more work
6 order tags. Ms. Blue summarized the Monthly Report of Investments. At month end the District's
7 Investment Portfolio had an amortized cash balance of \$17,264,717 and a market value of
8 \$17,229,763.

9 **PRELIMINARY FY 2017/2018 FINANCIAL STATEMENT**

10 Ms. Blue presented the preliminary financial statement and stated that since the audit is
11 currently underway, final numbers will be presented at an upcoming board meeting. She reported
12 that at the end of FY 18, consolidated actual revenues exceeded budget by \$2.4M. This was
13 primarily due to a 9% increase in water sales in the Novato Water system. Ms. Blue added that
14 Novato water generated \$1.4M in connection fees which was an increase of 42% from the prior year
15 and that Stafford Treatment Plant produced 646 MG. She advised that recycled water operating
16 revenue is up 30% from the prior year and that West Marin had an increase in operating revenue of
17 14% and a net income of \$243K. Ms. Blue stated that Oceana Marin had an increase in net
18 operating revenue of 11% and a net income of \$87K primarily due to increases in rates and
19 consumption. Director Joly asked a question about Stafford production costs being above the
20 budgeted amount. Mr. Clark responded that there are significant fixed charges related to Stafford
21 Treatment Plant operation and operation efficiency is tied to the total volume of water produced. If
22 production falls below 750 MG per year, the unit cost for operation increases.

23 **CONSENT CALENDAR**

24 On the motion of Director Petterle, and seconded by Director Baker the Board approved the
25 following item on the consent calendar by the following vote:

26 AYES: Director Baker, Fraites, Grossi, Joly and Petterle

27 NOES: None

28 ABSTAIN: None

29 ABSENT: None

30 **ATHERTON AVENUE LAND DIVISION RENEWAL OF LETTER AGREEMENT WITH THE**
31 **NOVATO FIRE PROTECTION DISTRICT – APN 143-350-44, 45 AND 46**

1 Mr. Vogler requested that the Board authorize renewal of the Novato Fire Protection District
2 (NFPD) letter agreement to serve as financial guarantee by the Fire District for all costs associated
3 with construction of water distribution facilities to serve this project. He stated that NFPD intends to
4 revert the parcel to acreage for construction of a training facility, but has not yet initiated the land use
5 approval process and is therefore requesting another four (4) year renewal. He added that the
6 water agreement including financial guarantee for this project must remain in effect as long as the
7 three marketable lots exist and, should the Fire District secure approval from the County of Marin for
8 a reversion to acreage, the agreement can be cancelled.

9 **ACTION CALENDAR**

10 **DUMP TRUCK REPLACEMENT AUTHORIZATION**

11 Mr. Clark stated that our current dump truck #52 (1999 Ford F450 3 cubic yard) has a failing
12 transmission in addition to other needed repairs and is in need of major maintenance. He reported
13 that staff has determined that is not cost effective to make the necessary repairs, estimated at
14 \$12,000, especially since the market value for this vehicle is in the \$15,000 range. Mr. Clark
15 recommended purchase of a new dump truck. Director Joly asked if we had an in-house mechanic.
16 Mr. Clark confirmed that we do, however that the larger equipment is repaired by Peterson Truck.

17 On the motion of Director Petterle, and seconded by Director Joly, the Board approved
18 authorization for staff to solicit bids for the purchase of a new 2018 model year dump truck by the
19 following vote:

20 AYES: Director Baker, Fraites, Grossi, Joly and Petterle

21 NOES: None

22 ABSTAIN: None

23 ABSENT: None

24 **REVISED CHIEF ENGINEER JOB DESCRIPTION**

25 Mr. McIntyre proposed a revision to the current Chief Engineer job description to replace the
26 mandatory local residency requirement to a local residency "preference" which is similar to the
27 recent Auditor-Controller job description changes.

28 On the motion of Director Baker, and seconded by Director Joly, the Board approved the
29 revised Chief Engineer job description by the following vote:

30 AYES: Director Baker, Fraites, Grossi, Joly and Petterle

31 NOES: None

1 ABSTAIN: None

2 ABSENT: None

3 **INFORMATION ITEMS**

4 **PG&E WILDLIFE SAFETY PROGRAM**

5 Mr. Clark informed the Board of a new PG&E public safety power shutoff program to better
6 address how high voltage power lines may affect the potential for wildfires in our area. He stated
7 that upon review of the information it became apparent that PG&E's plan could result in power
8 curtailments to various water system facilities during high wildfire threat weather events for up to four
9 days. He stated that we will be reviewing our distribution system generator connection plan based
10 on this new information. Director Baker acknowledged that the tanks are typically filled overnight
11 when power rates are less, but asked if staff deviates from the pumping schedule during high fire
12 danger. Mr. Clark responded that we try to maintain 75% storage levels during high fire threat
13 periods even if pumping occurs during more expensive power periods of the day. Director Fraithe
14 inquired if the plan will be in full cooperation with both Novato Fire and Marin County Fire. Mr. Clark
15 stated he has already made outreach to both fire agencies. Director Petterle stated that PG&E is
16 not the only factor in causing wildfires; there are other considerations such as lightning and people
17 using gasoline engine mowers, etc. Director Grossi stated he was concerned with the south side of
18 Novato, where there has not been a fire in over a century and there is a lot of dead brush. Director
19 Joly wanted to know if we could categorize the facilities that are in the high fire areas, and Director
20 Baker inquired about the use of generators. Mr. Clark responded that they will be looking at both of
21 these issues and he will have more information to report at a future meeting.

22 **WAC/TAC MEETING UPDATE- AUGUST 6, 2018**

23 Mr. McIntyre summarized the August 6th WAC/TAC meeting and reported that the main
24 topics of discussion were the Agency's Regional Water Supply Resiliency Study and PG&E's Potter
25 Valley Project relicensing efforts. He also noted that the TAC approved a succession planning
26 process that mirrors the WAC but also allows up to two, 2-year extensions. Mr. McIntyre stated that
27 the Water Supply Strategies Action Plan update will review the current nine water supply strategies
28 developed to increase water system reliability and revise as appropriate based on input from water
29 contractors. On a related note, he advised that Sonoma County Water Agency will be installing
30 eight fire cameras with a goal to help protect Lake Sonoma Watershed from future fire threats.
31 Director Grossi questioned if the \$422,000 cost for the cameras included the whole system. Mr.
32 McIntyre stated that the costs include total first year program costs including installation,
33 implementation and program operation. Director Baker stated that he was impressed by the

1 knowledge that Agency staff had about the fires in Santa Rosa and wondered why we don't see fire
2 agencies at the WAC meetings. Mr. McIntyre responded that the WAC is focused on water supply
3 issues and he believes that other WAC members do, in fact, have separate meetings with their local
4 fire officials, as does North Marin Water District.

5 Director Fraites asked a question about Congressman Huffman's Two-Basin solution in
6 reference to PG&E's Potter Valley Project. Mr. McIntyre replied that the Two Basin Solution
7 acknowledges that there are co-equal concerns within both the Eel River and Russian River
8 watershed basins regarding water supply and environmental issues associated with continued Eel
9 River water diversion to the Russian River. Director Baker commented that are agricultural
10 stakeholder concerns as well.

11 Director Fraites commented on the fact that Sonoma County Water Agency (SCWA) is
12 changing their name to Sonoma Water.

13 **NBWRA MEETING UPDATE – JULY 23, 2018**

14 Mr. McIntyre recapped the July 23rd NBWRA meeting and provided an update on Phase 1
15 participation and additional "true-up" costs paid by the District to reflect a greater grant funding
16 allocation to North Marin. He also reported on the future of the proposed North Bay Water
17 organization. He advised that there still many unanswered questions and more discussions will be
18 held in the upcoming months to see if it makes sense to move forward with this new organization.
19 Director Baker commented that he felt the efforts to date were consultant driven and many agency
20 members seemed cautious about the need to form this new organization at this time.

21 **MISCELLANEOUS**

22 The Board received the following miscellaneous items: Disbursements-Dated August 9,
23 2018 and August 16, 2018, NMWD Candidates who have Filed Paper for Office – November 11,
24 2018 Election, 2018 Stafford Dam Inundation Map and Scrap Metal Receipts.

25 The Board also received the following news articles: Water efficiency is...sheet mulching
26 together, Salinity Intrusion Notice (Pt. Reyes Light) – August 9, 2018, Key races shaping up in Marin,
27 and Tax on California water revived to clean up drinking water – but it's voluntary.

28 Mr. McIntyre stated that at the March 6, 2018 meeting the Board approved an Oppose
29 Unless Amended letter for SB 623 (Monning) regarding a proposed water tax to address a lack of
30 access to safe drinking water for some disadvantaged communities. He advised that this bill has
31 been amended (now SB845) to allow an "Opt Out 'option, however it would still require North Marin
32 Water District to solicit water tax payments and administer the program. Mr. McIntyre requested the
33 Board's support to send another letter of opposition, stating that revenue to support the program

1 should come from the state's general fund or some other state wide funding source rather than
2 require community water systems to become tax collectors for the state. The Board consented to
3 sending an opposition letter similar to the March 2018 letter.

4 **CLOSED SESSION**

5 President Fraites adjourned the meeting at 7:07 p.m. and the Board began the closed
6 session at 7:15 p.m. in accordance with Government Code Section 54957 Conference with Labor
7 Negotiators (Joe Wiley, Christopher Boucher, Drew McIntyre and Julie Blue) to Provide Direction.

8 **OPEN SESSION**

9 Upon returning to regular session at 7:57 p.m., President Fraites stated that during the
10 closed session the Board had discussed the issue and no reportable action had been taken.

11 **ADJOURNMENT**

12 President Fraites adjourned the meeting at 7:58 p.m.

13 Submitted by

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17 Theresa Kehoe

18 District Secretary

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MEMORANDUM

To: Board of Directors Date: August 31, 2018

From: Rocky Vogler, Chief Engineer *RV*
Carmela Chandrasekera, Associate Engineer *CC*

Subj: Budgeted FY19 Coat Concrete Clearwells Project - Approve Bid Advertisement
R:\Folders by Job No\6000 jobs\6600 STP jobs\6600.89 Coat Concrete Clearwells\BOD Memos\6600.89 Approve advertisement BOD.doc

RECOMMENDED ACTION: That the Board authorize bid advertisement of the Stafford Treatment Plant – Coat Concrete Clearwells project

FINANCIAL IMPACT: \$590,000 (included in the FY19 CIP budget)

Background

The FY19 budget for Stafford Treatment Plant (STP) improvements includes the Coating Concrete Clearwells project. The clearwells were not coated when STP was reconstructed in 2006. The low PH water is attacking the uncoated concrete surfaces and will eventually corrode the steel reinforcement in the clearwell walls and floors. The project consists of coating two clearwells: the Acti-Floc Clearwell and the Finished Clearwell. The District requested Brelje & Race (consultant), to evaluate the surfaces of the two clearwells. Brelje & Race inspected the two underground concrete clearwells at the Stafford Water Treatment Plant on February 23, 2018 and subsequently provided their recommendation for coating the wetted surfaces of the clearwells with a long lasting elastomeric polyurethane coating. Locations of the clearwells are shown in Attachment A. Staff will return to the Board at a later date to seek approval to hire a third party coating inspector for the coating project.

Plans and specifications for the project were recently completed by District staff and are ready for bidding. The following project schedule identifies key dates, including the proposed advertising date. The timing of the project is intended to occur when STP is off-line for the fall/winter season.

SCHEDULE

Advertise Project	September 7, 2018
Prebid Meeting (tentative)	September 18, 2018
Bid Opening	October 2, 2018
Board Authorization of Award	October 16, 2018
Notice of Award	October 17, 2018
Contractor Notice to Proceed	October 31, 2018
Construction Complete	March 18, 2019

The project will be advertised in the Marin IJ and on the NMWD website with electronic plans and specifications available to the prospective bidders for free download.

Project Description and Costs

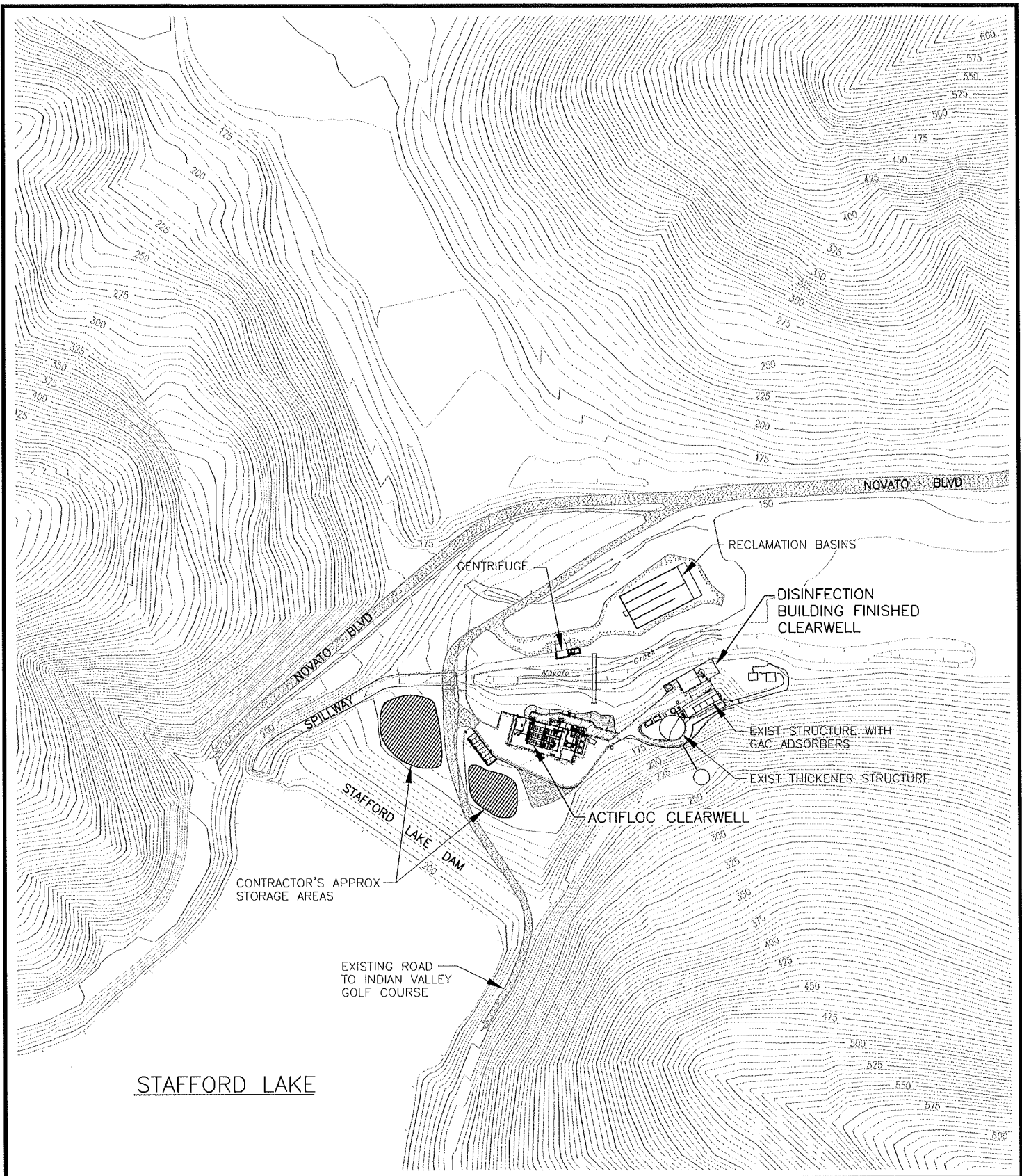
The scope of work for this project includes preparing surfaces, furnishing and applying 100% solids epoxy surfacing material and 100% solid elastomeric polyurethane as a protective coating system to the concrete surfaces of Acti-Floc Clearwell and Finished Clearwell and any other coatings for miscellaneous metal structures as described in the plans and specifications.

The updated engineer's cost estimate for this project is \$590,000 (see Attachment B).

RECOMMENDATION

The Board authorize bid advertisement of the Stafford Treatment Plant - Coat Concrete Clearwells project.

Aug 29, 2018 - 10:59am W:\JOB\NOVATO\6600.89\3_ISSUED\A\6600.89 Vicinity Map_C-001.dwg User: SD0VE



STAFFORD LAKE

ACTIFLOC CLEARWELL AND DISINFECTION BUILDING CLEARWELL CONCRETE COATING PROJECT			
DATE	SCALE	JOB.NO.	DWG.NO.
8/29/18	NTS	6600.89	MAP

**NORTH MARIN WATER DISTRICT
WATER SYSTEM IMPROVEMENTS/SPECIAL PROJECTS
PROJECT SUMMARY**

COMPLETED BY: D. Jackson
DATE: 12/4/2017

UPDATED BY: Carmela Chandrasekera
DATE: 8/28/2018

SERVICE AREA: **NOVATO** **WEST MARIN** **OCEANA MARIN**

Job No.	1.6600.8	Job Title: Coat Concrete Clearwells, STP	Facility Type (Pipelines, Pump Stations, etc.): Treatment Plant
Facility No. 6600			

Description:
Coat STP concrete interior surfaces of the Actifloc clarifier and finished water clearwell. Existing concrete walls and floor are degrading. Coating the baffle walls, interior walls, and floor is included. This project will provide a protective coating to eliminate the degradation of the concrete. Minor coating of ladders and welded steel pipe is also included in the project.

Project Justification:
The low PH water is attacking the concrete surfaces and will eventually cause corrosion of the reinforcement and cause structural failure. Providing an impervious coating will protect the structure.

	Baseline Cost Estimate	Initial	Updated (12/17)	Updated (8 /18)	Expended to Date	Baseline Schedule	Start	Finish (Est.)	Finish (Actual)
1	Project Dev.	\$5,000	\$5,000	\$5,000		Project Dev.	7/1/2017	9/1/2017	
2	Design	\$5,000	\$5,000	\$10,000		Design	1/2/2018	2/15/2018	
3	Permitting (CEQA)	N/A	N/A			Permitting	N/A		
4	Coating Contract	\$457,000	\$521,000	\$500,000		Procurement	10/15/2018	12/15/2018	
5	Inspection		\$26,050	\$30,000		Construction	N/A		
6						Project Closeout	12/15/2018	1/10/2019	
7									
8									
9									
#	Const. Admin.		\$2,000	\$10,000					
#	Project Closeout		\$1,000	\$2,000					
#	SubTotal	\$467,000	\$560,050	\$557,000					
#	Project Contingency (5%)	\$23,000	\$28,000	\$28,000					
	Total	\$490,000	\$588,000	585,000					


Comments:
2017: updated coating cost estimate price/sf and included ceiling
2018: Updated based on June 2018 CCI Concrete surface area to coat is reduced (no coating the ceiling per Brelje and Race report), Misc. metal coating added. The difficulty of confined space and disposal of water is considered.

6

MEMORANDUM

To: Board of Directors

August 31, 2018

From: Julie Blue, Auditor-Controller 

Subj: Set a Special Meeting for a Closed Session to Discuss Employee Association Negotiations

t:\gm\bod misc 2018\memo special meeting for ea neg 08.31.18.docx

RECOMMENDED ACTION: Board set a **Special Closed Session Meeting on September 26, 2018 at 6:00 pm.****FINANCIAL IMPACT:** None

The current Memo of Understanding (MOU) for the NMWD Employee Association (EA) expires on September 30, 2018. In order to complete the Employee Association negotiations in a timely manner staff recommends a special Closed Session meeting on September 26, 2018 at 6:00 pm to be held in the board room at NMWD offices at 999 Rush Creek Place. It is recognized that Director Jack Baker will not be able to attend in person but staff will make provisions so he can participate via telephone, if desired.


RECOMMENDED ACTION:

Board to set a special meeting on September 26, 2018 at 6:00 pm for a closed session to discuss the Employee Association Negotiations.

7

MEMORANDUM

August 31, 2018

To: Board of Directors
From: Robert Clark, Operations / Maintenance Superintendent 
Subject: Granular Activated Carbon Replacement Purchase

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RECOMMENDED ACTION: Approve staff recommendation to purchase replacement granular activated carbon (GAC)

FINANCIAL IMPACT: \$173,027 (including tax) as identified in our approved 2018/19 operations budget.

At the June 15, 2018 Board of Directors meeting the Board authorized staff to solicit bids for GAC replacement for the Stafford Lake Treatment Plant post filtration adsorption process. The request for proposal was sent to four vendors that included Calgon Carbon, Jacobi the Carbon Co., Evoqua, and General Carbon. All vendors with the exception of Calgon Carbon felt that they could not meet the performance and quality testing criteria and declined to submit a proposal. The price Calgon has provided for the GAC is \$6,421 or 3.8 percent above last year's cost.

Over a five year period from 2010 - 2015 the NMWD Treatment Plant Staff worked to optimize the final filtration process at the Stafford Treatment Plant (STP). During that time the balance for removal of Total Organic Carbon (TOC), Manganese (Mn) and Taste and Odor (T&O) was the key focus for the treatment process. Staff also worked with Kruger Technologies a leader in the water filtration industry and manufacture of our filtration units and two of the GAC manufactures in the western United States (Calgon Carbon and Carbon Activated). These three companies provided our staff with significant input on the use of GAC for the removal of TOC, Mn and T&O compounds from Stafford lake water. Staff utilized this input to achieve the best carbon bid specification for water quality results with the hopes of keeping operational costs down.

As a reference point from the previous bid process in 2015, staff requested formal bids for replacement of the GAC from five solicited companies American Carbon, Siemens Corporation, Calgon, Carbon Activated and ERS. At that time Calgon was 15% lower than the next highest bidder. NMWD staff has had a successful track record working closely with Calgon Carbon Corporation (Calgon) engineers and have had great results in the performance of their product.

RECOMMENDATION:

Approve staff recommendation for the \$173,027 purchase of replacement GAC from the Calgon Carbon Corporation.

8

MEMORANDUM

To: Board of Directors

Date: August 31, 2018

From: Drew McIntyre, General Manager



Subject: Letter Supporting Marin County Groundwater Basin Boundary Modification Request

t:\gm\groundwater sustainability management\bod memo re ltr of support for mc sgma boundry change 8.31.18.doc

RECOMMENDED ACTION: Approve support letter for Marin County's application for a boundary modification of the Sand Point Area Groundwater Basin

FINANCIAL IMPACT: None

An action item has been tentatively scheduled for the September 18, 2018 Marin County Board of Supervisors meeting to approve filing an application for a groundwater basin boundary modification request. The proposed action addresses changes being implemented by the California Department of Water Resources (DWR) this year relating to the Sustainable Groundwater Management Act (SGMA) to change the priority of several groundwater basins in the State, potentially requiring a Groundwater Sustainability Agency (GSA) to be formed in the Wilson Grove Formation Highlands Basin.

SGMA took effect on January 1, 2015 and requires all medium and high priority basins to undergo a process leading to sustainable management through formation and operation of Groundwater Sustainability Agencies (GSAs). In 2014, DWR classified each of the five significant basins in Marin as low or very low priority.

In May, DWR released a draft 2018 SGMA Basin Prioritization that proposed reprioritizing the Wilson Grove Formation Highlands (Wilson Grove) Basin from low to a medium priority. DWR currently defines the Wilson Grove Basin (1-59) in Bulletin 118 as having 24% of its land area in the northeastern portion of Marin County, with the remaining land area in Sonoma County (see map in Attachment 1)

Since the reprioritization, Marin County staff have had several meetings with various local agencies and concluded that there are significant differences in land use, agricultural practices, and the amount of groundwater used in the Marin County portions of the basin versus the Sonoma portions. It became apparent that given these county differences in land and water uses that a jurisdictional boundary change would be the best way to assure oversight and protection of the groundwater resource in Marin.

Letter Supporting Marin county Groundwater Basin Boundary Modification Request

August 31, 2018

Page 2 of 2

Marin County staff is recommending a boundary modification change that would extend the northern boundary of the Sand Point Area Basin (2-27) to include that portion of the Wilson Grove Basin currently in Marin County. The new northern boundary of the Sand Point Area Basin would be the Marin County line. The new Wilson Grove Basin would be solely in Sonoma County (see map in Attachment 2).

Marin County staff has been reaching out to other agencies and water users in the current Wilson Grove and Sand Point Area Basins to solicit their support for the boundary modification. While NMWD is not a water user in these groundwater basins, it is appropriate to submit a letter of support (see draft in Attachment 3) since the proposed basin boundary modification would result in a single planning authority over land and water use within the expanded Sand Point Area Basin that would better support sustainable groundwater management in this basin.

RECOMMENDATION:

Authorize the General Manager to submit the attached letter of support.

County of Marin Groundwater Basins (DWR Bulletin 118)



map document Groundwater_Basins_20120113c.mxd (bbq)



DRAFT

Date

Rebecca Ng
Deputy Director
Environmental Health Services
Marin County Community Development Agency
3501 Civic Center Drive, Suite 236
San Rafael, CA 94903

Re: Marin County Groundwater Basin Boundary Modification Request
SAND POINT AREA (DWR Basin 2-27)

Dear Ms. Ng:

North Marin Water District (NMWD) supports the Marin County request to extend the northern boundary of the Sand Point Area Basin (DWR Bulletin 118 Basin No. 2-27) to include that portion of the Wilson Grove Formation Highlands Basin (DWR Bulletin 118 Basin No. 1-59) currently in Marin County. The new northern boundary of the Sand Point Area Basin would be the Marin County line. NMWD agrees that this proposed boundary modification promotes sustainable groundwater management by merging adjoining basins with overlapping water users and aligning the basin boundary with the county boundary. The resulting change would thereby enhance the County's ability to better manage groundwater resources in conjunction with land use development in the subject area.

Sincerely,

Drew McIntyre
General Manager

DM: tk

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9

MEMORANDUM

To: Board of Directors

August 31, 2018

From: Ryan Grisso, Water Conservation Coordinator *Rb*

Subject: FY 18 Water Conservation Year End Report

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RECOMMENDED ACTION: Information**FINANCIAL IMPACT:** None**Water Conservation and Public Outreach Summary**

This memo provides an update on water conservation and public outreach activities implemented during Fiscal Year 2017/2018 (FY 18). Water Conservation participation numbers for FY 18 and previous two fiscal years are summarized in Table 1 below.

Table 1: Year End Water Conservation Program Participation (July through June: 2015 - 2018)

Program	FY 18	FY 17	FY 16
Water Smart Home Surveys	301	385	224
Water Smart Commercial Surveys	4	10	5
High Efficiency Toilet Replacements (Residential)	147	211	354
High Efficiency Toilet Replacements (Commercial)	3	3	4
Retrofit on Resale (Dwellings Certified)	249	278	236
High Efficiency Washing Machine Rebates	24	55	103
Cash for Grass Rebates	18 ⁽¹⁾	59	132
Water Smart Landscape Rebates	4	8	7
Water Smart Irrigation Controller Rebates	15	11	7
New Development Approvals (Residential)	24	36	28
New Development Approvals (Commercial)	16	23	21
Large Landscape Audits (measured by number of accounts)	9	0	8

(1) Cash for Grass participants removed 14,227 square feet of turf versus 51,432 in FY 17 and 132,226 in FY 16.

Water Conservation Programs

Water Smart Home Survey (WSHS) Program: This program provides the customer with an in-depth analysis of both their indoor and outdoor water use with water efficient recommendations for customers to implement. The WSHS Program also provides staff with an opportunity to present applicable rebate programs for which the participating customer may be eligible. Participation has decreased this year with 301 WSHS's completed, however this level is still higher than the yearly participation historical average.

In addition to the WSHS program, the District has worked with Rising Sun Energy Center to implement the Green House Call Program since 2007. The Green House Call Program,

jointly funded by energy and water providers, is offered to homeowners and renters throughout the bay area. The program checks homes for energy and water efficiency and provides personalized recommendations for further savings (focusing mainly on indoor conservation). In FY 18, 131 Green House Calls were performed in the Novato Service Area.

Water Conservation Fixture Distribution: The District continues to distribute water conserving fixtures at the front counter of the District Administration Building, on service calls and WSHS, and at various public outreach events. Fixtures include 1.5 to 1.75 gallons per minute (GPM) showerheads, 1.0 and 0.5 GPM sink aerators, hose nozzles (when available) and other related items. The District also offer commercial establishments installation of 0.5 GPM sink aerators on all hand-washing sinks when conducting a Water Smart Commercial Survey.

High Efficiency Toilet (HET) Replacement Program: The District provides \$100 rebates for residential and commercial customers, for purchase and installation of qualified HETs (1.28 gallons per flush) and \$150 rebates for customers installing Ultra High Efficiency Toilets (1.1 gallons per flush or less meeting the Maximum Performance "Premium" rating). During FY 18, the District rebated 147 residential toilets (12 of which were UHET). Staff is developing future of the toilet replacement program options, which could include the elimination of the HET rebate while retaining the \$150 UHET rebate in an effort to continue market transformation and persuade retailers to carry more rebate eligible UHET products.

Retrofit on Resale: The District currently requires toilets (1.6 gallons per flush or less), showerheads (2.0 gallons per minute) and bathroom sink aerators (1.5 gallons per minute) to be certified by the seller before the close of escrow on any property sold in the District service areas. Toilet rebates are available and fixtures (showerheads and sink aerators) are available free to customers to help ease compliance with this requirement. In FY 18, the District received water conservation certificates for 249 properties sold in the District service areas.

High Efficiency Clothes Washer Rebate Program: The District currently offers rebates for qualified high efficiency clothes washing machines through the Sonoma-Marin Saving Water Partnership High Efficiency Clothes Washer Program, with rebates paid directly by the District (\$50 rebate). In FY 18, the District rebated 24 clothes washing machines.

Cash for Grass Rebate Program: The District rebated 18 Cash for Grass projects, removing 14,227 square feet of irrigated turf in FY 18. Cash for Grass program participation levels decreased below historical "pre-drought" participation levels, likely caused by accelerated participation and associated demand hardening. In addition to the Cash for Grass participation, three customers also participated in the "Lawn be Gone" sheet mulching program which

eliminated another 2,400 square feet of irrigated turf.

Water Smart Landscape Rebate Program: The District supplies rebates to customers for improving landscape water use efficiency. Rebates are provided for drip irrigation installations, multi-stream/low volume sprinkler retrofits, mulch, rain sensors and other efficient retrofits. In FY 18, the District rebated 4 projects.

Water Smart Irrigation Controller Rebate Program: Rebates are available for purchase, installation and activation of District approved Smart Irrigation Controllers (Smart Controllers) at a minimum level of \$200, or \$30 per active station, up to \$1,200. This rebate also extends to large landscape customers on a per meter basis. In FY 18 the District provided rebates for 15 qualified controllers. This program is trending up in participation due to more available wifi-based controller models that are programmed from a smart phone and are available for a reasonable price point online.

Large Landscape Water Conservation Program: The Large Landscape Water Conservation Program consists of the Large Landscape Audit Program, the Large Landscape Budget Program, Water Smart Controller Rebate Program (previously covered in the Water Smart Irrigation Controller Rebate Program section) and the Large Landscape Water Smart Landscape Efficiency Rebate Program. All programs are aimed at assisting large landscape customers (dedicated irrigation and large mixed use meters) to become more water use efficient in their landscape water management practices. Large landscape activities in FY 18 were focused solely on recycled water onsite retrofit conversions, and 9 water conservation audits were performed as a part of that process.

In addition to the District's Large Landscape conservation efforts, the Sonoma Marin Saving Water Partnership implemented Qualified Water Efficient Landscaper (QWEL) trainings throughout the year.

Commercial Water Conservation Program: The Commercial Water Conservation Program currently contains the HET Rebate Program (previously covered in the High Efficiency Toilet Replacement Program), Water Smart Commercial Survey (WSCS), and a High Efficiency Clothes Washing Machine Rebate. In FY 18, staff completed 4 WSCSs and rebated 3 HETs.

New Development Requirements: The District's New Development Requirements specify innovative and "state of the art" water efficiency measures for all new construction in both service areas. These requirements are enforced through water service agreements and the District's sign-off requirement for all applicable final occupancy permits with the City of Novato Building Department and Marin County Building Department. In FY 18, staff inspected

and approved 24 residential projects and 16 commercial projects.

Public Outreach and Conservation Marketing

In April 2018, the Board received a Public Outreach Plan which presented the planned District outreach activities for 2018. This section provides an update on the outreach activities in the second half of 2017 and the first half of 2018.

The Fall 2017 issue of "*Water Line*" was mailed out in November 2017. This issue updated customers on water supply and conservation achievements, updated progress on the recycled water expansion project, formally announced that AMI was arriving in 2018, and spotlighted solar projects in the watershed (solar power and solarbees). The Spring 2018 issue of "*Water Line*" was mailed out to customers in early June 2018 and focused on water supply for 2018, updated customers on the AMI and Recycled water Expansion Projects, and announced the District's 70 Year Anniversary. These newsletters continue to be the main information distribution source for customers in each service area.

The District also actively maintains a Facebook page with regular updates on water use efficiency, construction projects and other District activities. Staff has created a NextDoor account and plans regular postings for service area designated neighborhoods regarding District information (NextDoor is an emerging social media outlet allowing neighborhood level communication). An Instagram account has been set up to post District related photos helping to publicize District accomplishments and other pertinent District information. The District also staffed outreach events, such as the Novato Farmer's Market, Eco Friendly Garden Tour, and Tour of Novato during FY 18 along with a float entry in the 2018 4th of July Parade.

In addition to the public information and outreach efforts directly implemented by the District, the Sonoma Marin Saving Water Partnership implemented a water use efficiency outreach campaign in 2018, which resulted in extensive advertising in newspapers in the Novato service area.

Water Conservation Budget and Staffing

Table 2 summarizes and compares the year end budget expenditures between the last three fiscal years (FY 16, FY 17 and FY 18). The FY 18 expenditures were well below budget as program participation continues to decline for Cash for Grass, toilet rebates, and other conservation programs (a similar trend also experienced by other local water utilities).

Table 2: Water Conservation and Public Outreach Expenditures (July 2016-June 2018)

	FY 18	FY17	FY 16
Total Budget	\$440,000	\$410,000	\$410,000
Actual Expenditures	\$308,707	\$339,287	\$379,938

Staffing: Water Conservation is currently staffed by one full time Water Conservation Coordinator and one half-time Water Conservation Technician. The District has also partnered with Sonoma County Water Agency through the Sonoma-Marin Saving Water Partnership to implement some of the District Water Conservation Programs including the WSHS program.

Prop 84 Grant Funding: The District was awarded a Prop 84 Round 1 Grant (\$183,750 allocated to the District) back in 2013, through the Sonoma County Water Agency (SCWA) and other Bay Area Agencies, which helped fund HET rebates, Cash for Grass rebates, Smart Controllers, and Clothes Washer rebates. The Grant period ended June 30, 2015, and the District received a total of \$187,000 (a slight increase from our original allocation was transferred due to other participants not fully expending their allocation). The Prop 84 Round 2 Grant (\$33,000 allocated to the District) started July 1, 2015, funding only Cash for Grass rebates. The accelerated increase in participation due to the drought helped push the grant refund amount to the full \$33,000 in FY 16. The Prop 84 Round 3 Grant (\$94,000 allocated to the District) started in FY17 as Round 2 funds were depleted. Round 3 funds Cash for Grass, High Efficiency Toilet and Clothes Washer rebates, and District expended \$67,808 of the total funding amount prior to the grant ending on June 30, 2018.

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MEMORANDUM

To: Board of Directors
 From: Rocky Vogler, Chief Engineer *RV*
 Subject: FY18 – Engineering Department Year End Report
R:\CHIEF ENGINOGLER\BUDGETS\FY 17-18\Eng Dept Perf Recap-4th Qtr 17-18.doc

Date: August 31, 2018

The purpose of this memo is to provide a year-end status report to the Board on the District's performance in completing budgeted FY17-18 Capital Improvements Projects (CIP). The following information is being provided to supplement the progress report summary provided to the Board each month.

SUMMARY

Service Areas	Project Costs (\$)		% Complete @ 6/30/18		Earned Value (\$) @ 6/30/18	
	Budget (\$)	Actual (\$)	Planned	Actual	Planned	Actual
Novato Water	10,300,000	7,014,179	79	67	7,950,000	4,991,013
Novato Recycled	6,495,000	3,882,876	100	100	6,445,000	3,882,876
West Marin	855,000	221,905	67	49	680,000	119,550
TOTAL	17,650,000	11,118,960	82	72	15,075,000	8,993,439

The above project costs show that actual respective CIP expenditures for Novato Water and Recycled Water Service Areas were 68% and 60% of the approved FY17-18 budgets (versus respective mid-year forecasts of 66% and 53%). With respect to West Marin (including Oceana Marin), CIP expenditures were 26% of the approved FY17-18 budget value (versus a mid-year forecast of 52%).

Performance Status for Capital Improvement Projects

The attached tables and figures summarize the District's year-end performance in completing FY17-18 Capital Improvements Projects. This review encompasses all District CIP's in both Novato and West Marin.

A total of 35 projects were originally budgeted in FY17-18 for the Novato, West Marin and Oceana Marin service areas (see Attachments A and B). 13 projects were added, one was carried over and 8 projects were deferred or dropped resulting in an adjusted budget total of 41 projects (versus 44 projects in the prior fiscal year). Of these 41 Capital Improvement Projects, 25 are under the lead responsibility of the Engineering Department for completion (22 in Novato and 3 in West Marin). The remaining projects are under the responsibility of the other departments: Maintenance (4), Operations (11) and Administration (1). A detailed project milestone schedule is provided in Attachment C.

At year end, 22 of the 41 projects scheduled for completion in FY17-18 have been completed by all departments. When broken down by service areas, 19 of the Novato CIPs have been completed and 3 West Marin CIPs have also been finished.

Novato Service Area Project Costs Variances

Of the 19 FY17-18 Novato Water CIPs that were completed, all but five projects (i.e., 74% were completed at or below original budget.

Two of the five projects were significantly over the original estimated budgets, including the Ridge Road Pipeline Replacement and Center Road 6-inch CIP. The primary cost escalation for Center Road was due to expansion of the project scope to extend the work into the adjacent streets including Ormond Court, Crescent Lane, Grove Lane, Storybook Court and Zanco Way. The Center Road project also eliminated District ownership of an aging 500 lineal foot 8-inch cast iron pipe serving a single residence. The Ridge Road Pipeline Replacement project was substantially completed in FY18. The overall complexity of the project, including construction/de-construction of a temporary water system, as well as an unfavorable bidding climate for capital projects increased costs substantially.

Novato Recycled Water Service Area Project Costs Variances

As shown in Attachment B, all of the three Novato Recycled Water projects are within the original budgets.

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

All of the FY17-18 West Marin projects were completed at or below the original budget and no budget augmentation was required during this fiscal year.

Engineering Department Labor Hours

The Engineering Department provides a multitude of functions supporting overall operation, maintenance and expansion of water facilities. The major work classifications are: (1) General Engineering, (2) Developer Projects and (3) District (i.e., CIP) Projects. Out of the approximately 14,900 engineering labor hours available annually (excluding Conservation), the FY17-18 labor hour budget for Developer Projects and District Projects is 1,414 (10% of total) and 4,000 (27% of total), respectively. A chart of actual hours expended versus budgeted hours for both Developer and District projects during FY17-18 is provided in Attachment D. At the end of the fourth quarter, actual engineering labor hours expended for Developer work was 706 hours (versus 781 in FY16-17). With respect to District Projects, 2,939 engineering labor hours have been expended (versus 3,575 in FY16-17) on Capital Improvement Projects.

FY 17-18
 CAPITAL IMPROVEMENTS PROJECTS

PROJECTS BUDGETED	NOVATO SERVICE AREA	WEST MARIN/ OCEANA MARIN	TOTAL
Original Budget	27	8	35
Added	9	5	14
FY 16-17 Carryover	1	0	1
Deferred/Dropped	5	4	9
Adjusted Budget	32	9	41

FY16-17 CARRYOVER

Date Brought to Board

Novato
 Country Lane Pipeline Replacement

First Quarter Report

West Marin
 None

DEFERRED/DROPPED

Novato
 Coat Concrete Clearwells
 Electronic Document Management System
 Office/Yard Building Renovation
 Automate Zone Valve (Slowdown Ct.)
 San Marin PS Can Rehab (Completed FY17)

First Quarter Report
 Second Quarter Report
 Second Quarter Report
 Third Quarter Report
 Fourth Quarter Report

West Marin
 Design/Install 8th Disposal Trench (300')
 Tahiti Way Power Relocation
 Infiltration Repair
 Tahiti Way Pump Rebuild

First Quarter Report
 Third Quarter Report
 Fourth Quarter Report
 Fourth Quarter Report

PROJECTS ADDED

Novato
 Grant Ave Bridge Pipe Replacement
 Stafford Spillway Repairs
 Crest Rd Main Replacement
 Watershed Erosion Control
 Replace Shady Lane Service Saddles
 Dam Accelerometers
 Old Ranch Rd Tank Replacement
 Facility Security Enhancements
 PB Replace: Brook/Robinhood/McIntosh/Charmaine/Timothy

First Quarter Report
 First Quarter Report
 Second Quarter Report
 Second Quarter Report
 Fourth Quarter Report
 Fourth Quarter Report
 Fourth Quarter Report
 Fourth Quarter Report
 Fourth Quarter Report

West Marin
 Gallagher Well Motor Operated Valve
 OM Treatment and Storage Pond Repair – FEMA
 OM Treatment Pond Rehab (Storm Recovery)
 New Gallagher Well No. 2
 PRTP Solids Handling

First Quarter Report
 First Quarter Report
 First Quarter Report
 Second Quarter Report
 Second Quarter Report

NOVATO SYSTEM CAPITAL IMPROVEMENT PROJECTS SUMMARY FY17-18
AS OF JUNE 30, 2018

STATUS	DEPT	ITEM #	PROJECT NO.	DESCRIPTION	PROJECT COSTS		% COMPLETE		EARNED VALUE	
					Budget	Forecast	Baseline	Actual	Planned	Actual
1. PIPELINE REPLACEMENTS/ADDITIONS										
PC	Eng	1	1.a.1	Ridge Rd 6" ACP (8" @ 1,400')	\$325,000	\$713,785	100	95	\$325,000	\$678,096
C	Eng	2	1.a.2	Center Rd 6" CIP (8" @ 1,200')	\$175,000	\$556,422	100	100	\$175,000	\$556,422
PC	Eng	3	1.b.1	San Mateo 24" Inlet/Outlet Pipe	\$50,000	\$18,222	100	15	\$50,000	\$2,733
PC	Eng	4	1.c.1	Repl PB in Sync w/City Paving	\$70,000	\$3,265	100	95	\$70,000	\$3,102
PC	Eng	5	1.c.2	Other PB Replacements	\$180,000	\$54,425	100	100	\$180,000	\$54,425
C	Eng	6		PB Repl: Brook/Robinhood/McIntosh/Charmaine/Timothy	\$0	\$69,225	100	100	\$0	\$69,225
	Eng	7	1.c.3	<i>Country Lane Pipeline Replacement</i>	\$0	\$1,581	0	10	\$0	\$158
C	Eng	8	1.c.4	Grant Ave Bridge Main Replacement	\$0	\$126,704	100	100	\$0	\$126,704
C	Eng	9	1.c.5	Crest Rd Main Replacement	\$0	\$69,071	100	100	\$0	\$69,071
PC	Eng	10		Replace Shady Lane Service Saddles	\$0	\$4,979	0	50	\$0	\$2,490
	Eng	11	1.d.1	Other Relocations	\$80,000	\$0	0	0	\$0	\$0
				SubTotal	\$880,000	\$1,617,679				
2. SYSTEM IMPROVEMENTS										
PC	Eng	12	2.a	Flushing Taps at Dead-Ends	\$50,000	\$0	100	0	\$50,000	\$0
C	Eng	13	2.b	DCDA Repair/Replace	\$190,000	\$135,683	100	100	\$190,000	\$135,683
PC	Eng	14	2.c	Anode Installations	\$30,000	\$0	100	0	\$30,000	\$0
C	Maint	15	2.d	Radio Telemetry	\$25,000	\$19,978	100	100	\$25,000	\$19,978
			2.e	<i>Automate Zone Valve (Slowdown Ct) - DEFERRED</i>	\$100,000	\$0				
PC	Admin	16	2.f	AMI Retrofit	\$4,700,000	\$2,991,715	100	35	\$4,700,000	\$1,047,100
C	Ops	17		Facilities Security Enhancements	\$0	\$1,535	0	100	\$0	\$1,535
				SubTotal	\$5,095,000	\$3,148,911				
3. BUILDINGS, YARD, & S.T.P. IMPROVEMENTS										
			3.a.1	<i>Electronic Document Management System DEFERRED</i>	\$150,000	\$0				
			3.a.2	<i>Office/Yard Building Renovation - DEFERRED</i>	\$1,500,000	\$511				
	Maint	18	3.b.1	Other Yard Improvements	\$30,000	\$0	0	0	\$0	\$0
C	Eng	19	3.c.1	Dam Concrete Repair (Apron)	\$50,000	\$52,935	100	100	\$50,000	\$52,935
			3.c.2	<i>Coat Concrete Clearwells - DEFERRED</i>	\$490,000	\$2,412				
C	Ops	20	3.c.3	Watershed Erosion Control	\$0	\$3,534	100	100	\$0	\$3,534
C	Eng	21	3.c.5	Stafford Spillway Repair	\$0	\$82,414	100	100	\$0	\$82,414
	Eng	22		Dam Accelerometers	\$0	\$0				
				SubTotal	\$2,220,000	\$141,806				
4. STORAGE TANKS & PUMP STATIONS										
C	Eng	23	4.c.1	San Mateo Recoat (1st year)	\$1,900,000	\$2,045,243	100	100	\$1,900,000	\$2,045,243
C	Ops	24	4.c.2	Hydropneumatic Tank Repairs	\$30,000	\$15,157	100	100	\$30,000	\$15,157
PC	Maint	25	4.d.1	Lynwood PS Motor Control Center	\$100,000	\$683	100	10	\$100,000	\$68
C	Ops	26	4.d.2	Lynwood PS Can Rehab - Design	\$15,000	\$16,580	100	100	\$15,000	\$16,580
C	Ops	27	4.d.3	San Marin PS Can Rehab - DELETED (completed FY 17)	\$0	\$0	100	100	\$0	\$0
PC	Eng	28	4.f	Crest PS (design/const)/Reloc School Rd PS	\$60,000	\$12,644	100	60	\$60,000	\$7,586
PC	Eng	29		Old Ranch Rd Tank Replacement	\$0	\$15,476	0	5	\$0	\$774
				SubTotal	\$2,105,000	\$2,105,783				
				Novato Water Total	10,300,000	\$7,014,179	79	67	\$7,950,000	\$4,991,013
5. RECYCLED WATER FACILITY										
C	Eng	30	5.a	NBWRA Grant Program Administration	\$80,000	\$38,339	100	100	\$80,000	\$38,339
C	Eng	31	5.b-j	Recycled Water Central Service Area	\$6,365,000	\$3,844,537	100	100	\$6,365,000	\$3,844,537
C	Maint	32	5.k	Upgrade Auto-Fill Valve at Reservoir Tank (not capitalized)	\$0	\$0	100	100	\$0	\$0
	Eng	33	5.l	Other Recycled Water Expenditures	\$50,000	\$0			\$0	\$0
				Novato Recycled Total	\$6,495,000	\$3,882,876	100	100	\$6,445,000	\$3,882,876
				Total Novato	\$16,795,000	\$10,897,055	89	83	\$14,395,000	\$8,873,889
PROJECT FORECAST REVISED										
PC - Completed	Baseline projects with revised forecast budget increases (indicated by shaded box)									
PC - Partially completed	Baselined projects to be deferred (indicated in strikeout)									
	New projects added (indicated in bold)									
	Prior year projects carried over indicated in italics and brackets <>									

ATTACHMENT B

WEST MARIN CAPITAL IMPROVEMENT PROJECT SUMMARY FY17-18
AS OF JUNE 30, 2018

STATUS	DEPT	ITEM #	PROJECT NO.	DESCRIPTION	PROJECT COSTS		% COMPLETE		EARNED VALUE	
					Budget	Forecast	Baseline	Actual	Planned	Actual
6. West Marin Water System										
System Improvements										
C	Eng	34	6.a	Replace PRE Tank #4A	\$550,000	\$124,690	100	25	\$550,000	\$31,173
C	Ops	35	6.b	Green Sand Filter Media Replace	\$75,000	\$24,657	100	100	\$75,000	\$24,657
PC	Eng	36	6.d	PRTP Solids Handling	\$50,000	\$6,923	100	50	\$50,000	\$3,462
	Eng	37	6.c	PB Replace in Sync w/County Paving	\$50,000	\$0	0	0	\$0	\$0
C	Ops	38	6.e	Gallagher Well Motor Operated Valve	\$0	\$14,490	100	100	\$0	\$14,490
	Ops	39	6.f	New Gallagher Well No. 2	\$0	\$0			\$0	\$0
					\$725,000	\$170,760				
7. Oceana Marin Sewer System										
			7.a	Infiltration Repair - DEFERRED	\$40,000	\$0			\$0	\$0
			7.b	Design/Install 8th Disposal Trench (300') - DELETED	\$0	\$0				
	Maint	40	7.c	Tahiti Way Lift Pumps Rebuild DEFERRED	\$20,000	\$0			\$0	\$0
			7.d	Tahiti Way Power Relocation DEFERRED	\$20,000	\$0			\$0	\$0
PC	Ops	41	7.e	Pond Dredging & Relining	\$50,000	\$2,473	10	10	\$5,000	\$247
C	Ops	42	7.f	OM Treatment Pond Rehab (Storm Recovery)	\$0	\$3,500	25	10	\$0	\$350
C	Ops	43	7.g	OM Treatment and Storage Pond Repair - FEMA (404)	\$0	\$45,172	100	100	\$0	\$45,172
SubTotal					\$130,000	\$51,145				
Total West Marin					\$855,000	\$221,905	67	49	\$680,000	\$119,550
FY17-18 TOTAL					\$17,650,000	\$11,118,960	82	72	\$15,075,000	\$8,993,439
¹ C - Completed					PROJECT FORECAST REVISED					
PC - Partially completed					Baseline projects with revised forecast budget increases (indicated by shaded box)					
					Baselined projects to be deferred (indicated in strikeout)					
					New projects added (indicated in bold)					
					Prior year projects carried over indicated in italics					

FY17_18 CAPITAL IMPROVEMENT PROJECTS

ID	Task Name	Start	Finish	% Complete	Resp	Qtr 1, 2018			Qtr 2, 2018			Qtr 3, 2018			Qtr 4, 2018		
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	1A PIPELINE REPLACEMENTS/ADDITIONS	Sat 7/1/17	Sat 6/30/18	64%													
2	1A1 Ridge Rd 6" ACP (8"@1,400')	Sat 7/1/17	Sat 6/30/18	95%	ENG / CC												
3	1A2 Center Rd 6" CIP (8" @1,300') (NEW)	Sat 7/1/17	Wed 2/28/18	100%	ENG / DJ												
4	1B MAIN/PIPELINE ADDITIONS	Sat 7/1/17	Sat 6/30/18	30%													
5	1B1 San Mateo 24" Inlet/Outlet - Design	Sat 7/1/17	Sat 6/30/18	15%	ENG / DJ												
6	1C1 Repl PB in Sync w/ City Paving	Sat 7/1/17	Sat 6/30/18	95%	ENG / JK												
7	1C2 Other PB Replacements	Sat 7/1/17	Sat 6/30/18	100%	ENG												
8	1C3 Country Lane 2" Plastic	Tue 5/1/18	Sat 6/30/18	0%	ENG / JK												
9	1C4 Grant Ave Bridge Pipe Repl	Sat 7/1/17	Sat 6/30/18	100%	ENG / JK												
10	1C5 Crest Rd Main Replacement	Sat 7/1/17	Sat 6/30/18	100%	ENG / DJ												
11	1D1 Other Relocations	Sat 7/1/17	Sat 6/30/18	0%	ENG / JK												
12	2 SYSTEM IMPROVEMENTS	Sat 7/1/17	Sat 6/30/18	22%													
13	2A Flushing Taps at Dead-Ends	Sat 7/1/17	Sat 6/30/18	0%	ENG / CC												
14	2B DCA Repair/Replace	Sat 7/1/17	Fri 6/29/18	100%	ENG / DJ												
15	2C Anode Installations	Sat 7/1/17	Sat 6/30/18	0%	ENG												
16	2D Radio Telemetry	Sat 7/1/17	Fri 6/29/18	100%	MAINT/RC												
17	2E Automate Zone Valve (Slowdown Ct) DEFERRED	Sat 7/1/17	Sat 6/30/18	0%	ENG / DJ												
18	2F AMI Retrofit	Sat 7/1/17	Mon 12/31/18	35%	ADMIN												
19	3 BUILDING, YARD, STP IMPROVEMENTS	Sat 7/1/17	Sat 6/30/18	27%													
20	3A ADMIN BUILDING	Sat 7/1/17	Sat 6/30/18	0%													
21	3A1 Electronic Document Management System	Sat 7/1/17	Sat 6/30/18	0%	ADMIN												
22	3A2 Office/Yard Building Refurbish Design DEFERRED	Sat 7/1/17	Sat 6/30/18	0%	ADMIN / DM												
23	3B1 Other Yard Improvements	Sat 7/1/17	Sat 6/30/18	0%	MAINT/RC												
24	3C STAFFORD TREATMENT PLANT	Sat 7/1/17	Sat 6/30/18	59%													
25	3C1 Dam Concrete Repair (Apron)	Sat 7/1/17	Fri 12/8/17	100%	ENG / RV												
26	3C2 Coat Concrete Clearwells DEFERRED	Sat 7/1/17	Sat 6/30/18	0%	OPS / RC												
27	3C3 Watershed Erosion Control	Sat 7/1/17	Sat 6/30/18	100%	OPS / RC												

Current Baseline Progress



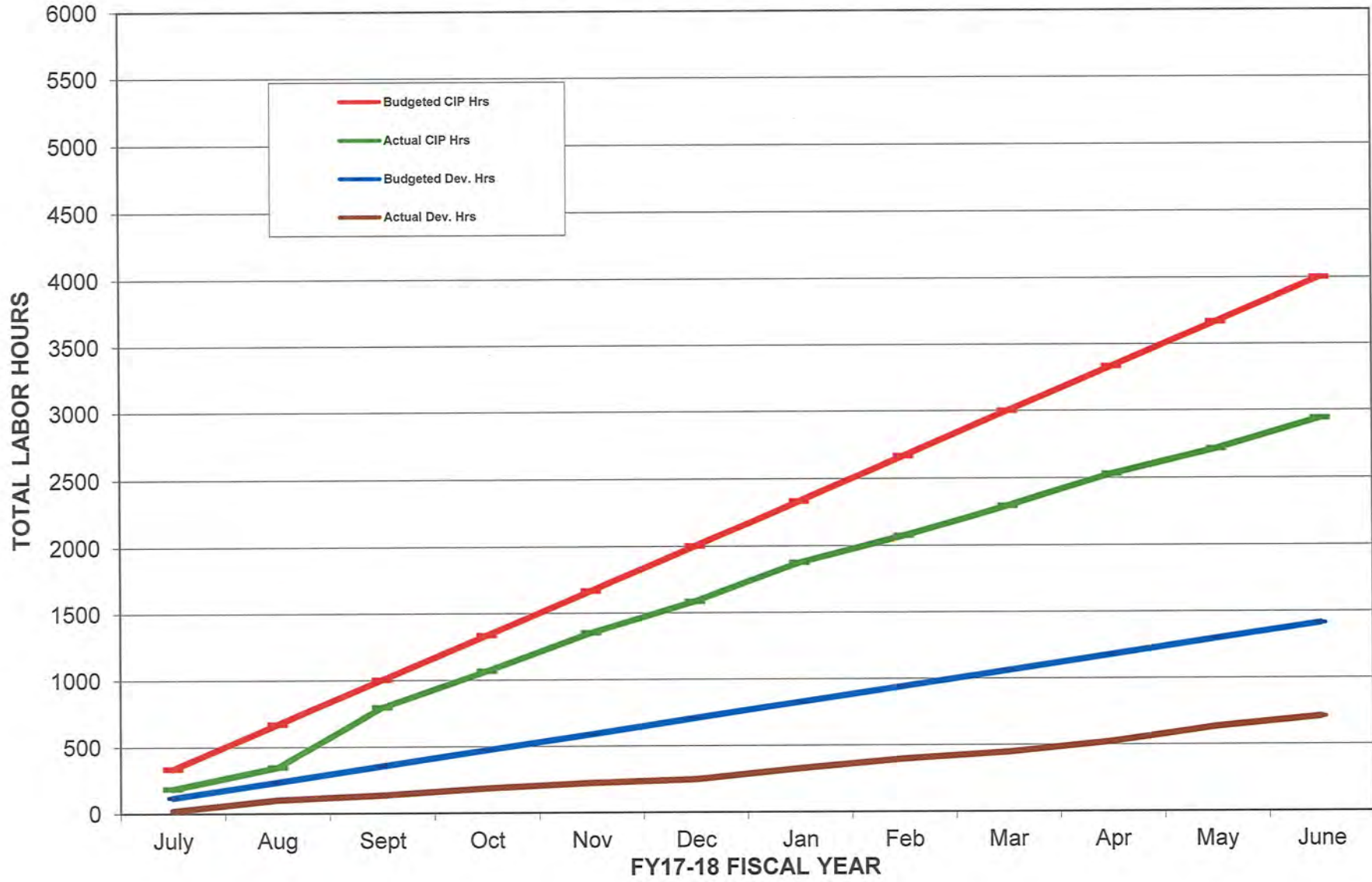
FY17_18 CAPITAL IMPROVEMENT PROJECTS

ID	Task Name	Start	Finish	% Complete	Resp	Qtr 1, 2018			Qtr 2, 2018			Qtr 3, 2018			Qtr 4, 2018		
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
28	3C5 Stafford Spillway Repairs	Sat 7/1/17	Sat 6/30/18	100%	ENG / RV												
29	4 STORAGE TANKS/PUMP STATIONS	Sat 7/1/17	Sat 6/30/18	59%													
30	4C1 San Mateo Tank Recoat	Sat 7/1/17	Fri 6/29/18	100%	ENG / CC												
31	4B2 Hydropneumatic Tank Repairs	Sat 7/1/17	Sat 6/30/18	100%	OPS / RC												
32	4D1 Lynwood Pump Station Motor Control Center	Sat 7/1/17	Sat 6/30/18	10%	MAINT/RC												
33	4D2 Lynwood PS Can Rehab - Design	Sat 7/1/17	Fri 6/29/18	100%	OPS / RC												
34	4D3 San Marin PS Can Rehab	Sat 7/1/17	Sat 6/30/18	100%	OPS / RC												
35	4F Crest PS (Design/Const)/Reloc School Rd PS - Design	Sat 7/1/17	Sat 6/30/18	60%	ENG / DJ												
36	5 RECYCLED WATER	Sat 7/1/17	Sat 6/30/18	89%													
37	5A NBWRA Grant Program Admin	Sat 7/1/17	Fri 6/29/18	100%	ENG / RV												
38	5B RW Central	Sat 7/1/17	Sat 6/30/18	100%	ENG /CC/DJ												
39	5C Upgrade Auto-Fill Valve at Reservoir Tank	Sat 7/1/17	Fri 9/1/17	100%	MAINT / RC												
40	6 WEST MARIN WATER SYSTEM IMPROVEMENTS	Sat 7/1/17	Sat 6/30/18	58%													
41	6A Replace PRE Tank #4A	Sat 7/1/17	Sat 6/30/18	25%	ENG / CC												
42	6B Green Sand Filter Media Replace	Sat 7/1/17	Fri 12/1/17	100%	OPS / RC												
43	6E PRTP Solids Handling - Design	Sat 7/1/17	Sat 6/30/18	50%	ENG / DJ												
44	6C PB Replace in Sync w/ County Paving	Sat 7/1/17	Sat 6/30/18	0%	ENG / JK												
45	6E Gallagher Well MOV	Sat 7/1/17	Sat 6/30/18	100%	OPS / RC												
46	6F New Gallagher Well #2	Sat 7/1/17	Sat 6/30/18	0%	OPS / RC												
47	7 OCEANA MARIN SEWER SYSTEM	Sat 7/1/17	Sat 6/30/18	12%													
48	7A Infiltration Repair	Mon 4/2/18	Fri 6/29/18	0%	OPS / RC												
49	7B Design/Install 8th Disposal Trench (300') DELETED	Sat 7/1/17	Sat 6/30/18	0%	ENG / RV												
50	7C Tahiti Way Lift Pumps Rebuild	Sat 7/1/17	Fri 6/29/18	0%	MAINT/RC												
51	7D Tahiti Way Power Relocation DEFERRED	Thu 2/1/18	Sat 6/30/18	0%	OPS / RC												
52	7E Pond Dredging & Relining	Sat 7/1/17	Sat 6/30/18	10%	OPS / RC												
53	7F OM Treatment Plond Rehab (Storm Recovery)	Sat 7/1/17	Sat 6/30/18	10%	OPS / RC												
54	7G OM Treatment and Storage Pond Repair - FEMA (404)	Sat 7/1/17	Sat 6/30/18	100%	OPS / RC												



Current █ Baseline █ Progress █

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



ATTACHMENT D

11

DISBURSEMENTS - DATED AUGUST 23, 2018

Date Prepared 8/21/18

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
EFT*	US Bank	July Bank Analysis Charge (Lockbox \$912 & Other \$378, Less Interest of \$178)	\$1,111.66
1	Aaronson, Jonathan	Novato "Toilet Rebate" Program	100.00
2	Accurate Forklift	Factory Service on Forklift ('15 Nissan 2WD)	560.84
3	Agajan, Max	Novato "Toilet Rebate" Program	200.00
4	AGCS Attn: Miguel Gomez	Refund Overpayment on Closed Account	58,164.26
5	Alpha Analytical Labs	Lab Testing	150.00
6	American Family Life Ins	August-AFLAC Employee Paid Benefit	2,776.45
7	Arrow Benefits Group	Aug Dental Admin Fee	316.40
8	Bakhshi, Javid	Novato "Toilet Rebate" Program	100.00
9	Bank of Marin	Bank of Marin Loan Principal & Interest (Pymt 82 of 240)	46,066.67
10	Black Box	Connector Cable for Radio Networking	164.35
11	Blue, Julie	Exp Reimb: CPA License Renewal (Budget \$120) (8/18-8/20)	120.00
12	CDW-Government	Cable for Networking Radio/Internet/Phones	101.19
13		Cafeteria Plan: Uninsured Medical Reimbursement	904.00
14	Chase	JP Morgan/Chase Loan Interest (Pymt #1 of 30)	54,651.83
15	Clearwater Hydrology	Engineering Hydrologic Consulting -Crest P/S Hydrologic Design & Waters of US (WOTUS) Assessment	4,985.00
16	Clipper Direct	Sept Commuter Benefit Program (4)	447.00
17	Comcast	August Internet Connection	151.12


Seq	Payable To	For	Amount
18	Cranford, William	Refund Overpayment on Closed Account	215.20
19	CWEA	Membership Renewal (Reischmann & Nommsen) (Budget \$190) (10/18-9/19)	376.00
20	Mrs. A Dick	Refund Overpayment on Closed Account	4,131.88
21	Direct Line	August Telephone Answering Service	431.88
22	E & M	1 Year Support & Maintenance Agreement	226.00
23	Environmental Resource	Calibration Solution for STP Turbidity Meter	443.87
24	Ferguson Waterworks	Gaskets (25)	96.29
25		Vision Reimbursement	169.96
26	Fisher Scientific	Vials (1,000) (Lab)	260.45
27	Fritzinger, Naomi	Refund Overpayment on Closed Account	33.44
28	Frontier Communications	Leased Lines	1,435.40
29	GHD	Prog Pymt#5: Crest Pump Station & Lynwood P/S (Balance Remaining on Contract \$53,474)	14,161.75
30	Goodpaster, Stacie	Exp Reimb: AWWA Membership Renewal (Budget \$280) (9/18-8/19)	269.00
31	Grainger	Flashlight, Bolts, Batteries, Cable Raceway for Maint Office, Maint Office HVAC Motor Capacitor, 4" Steel Turnbuckle (2), Blower Fan Motor for HVAC Unit (Maint) (\$426), Hot Water Dispenser (\$262), Absorbent Mats for Auto Shop/EM (4) (\$433), Screwdrivers (3) & Rafter	1,368.88
32	Hach	Phosphoric Acid & Sample Cells (STP)	360.03
33	JW Mobile	Hose & Crimp Fitting to Replace Hydraulics on Backhoe	2,942.54
34	Lakes, Jerome	Novato "Washer Rebate" Program	50.00
35	Lincoln Life	Deferred Compensation PPE 8/15/18	12,118.50
36	Marin Landscape Materials	Wood Chips (2 cu yds.)	5.75
37	Maxwell, P D	Refund Overpayment on Closed Account	101.21
38	Nationwide Retirement Solution	Deferred Compensation PPE 8/15/18	1,750.00

Seq	Payable To	For	Amount
39	NMWD Employee Association	Association Dues 6/30/18-8/15/18	950.00
40	Norwood, Britt & Catherine	Refund Overpayment on Closed Account	16.43
41	Novato Builders Supply	Bolts, Nails, Lumber (\$545), Steel Wire (100'), Wedge Anchor, Tie Wire & Safety Gloves	969.60
42	Novato Sanitary District	May 2018 RW Operating Expense	17,805.23
43	O'Connor, Daniel	Refund Overpayment on Closed Account	77.00
44	Pace Supply	Water Meter Wrenches (4) & Wilken Replacement Handles (40) (\$425)	699.65
45	Pacific Surfacing	Refund Security Deposit on Hydrant Meter Less Final Bill	1,181.58
46	PG&E	Power: Bldgs./Yard (\$4,467), Recto/Controls (\$645), Pumping (\$45,463), Treatment (\$123) & Other (\$154)	50,852.85
47	R & B	Bushings, Couplings & Gaskets	3,569.28
48	Sage Software	Annual Maintenance (HR Software) (Budget \$1,200) (7/18-7/19)	1,003.80
49	SCP Science	PVC Tubing & IC Standard (Lab)	70.34
50	Sequoia Safety Supply	Brief Relief Urine Bags (\$259), Ointment & Hard Hat	285.86
51	Siskins, Amy	Refund of Deposit/New Development/WC Restriction-Novato	1,000.00
52		Vision & Cafeteria Plan: Uninsured Medical Reimbursement	332.00
53	Southwest Valve	Rebuild Kits & Replacement Cylinders for Valve Actuators on P1 & P2 @ San Marin P/S	815.55
54	State Water Resources Control	D2 Certification Renewal (Joe Corda) (Budget \$80) (11/18-11/21)	130.00
55	Syar Industries	Asphalt (6 tons)	958.59
56	Thatcher of California	Ferric Chloride (9.91 tons)	3,485.43
57	TJ Built Construction	Refund Security Deposit on Hydrant Meter Less Final Bill	577.08

Seq	Payable To	For	Amount
58	Tripp, Valerie	Refund Overpayment on Closed Account	48.01
59	Underground Service Alert	Annual Membership (Arendell) (7/18-6/19) (Budget \$2,500)	2,900.49
60	Univar	Sodium Hypochlorite (1,050 gals) (RWF)	1,013.22
61	Verizon Wireless	AMI Gateway (26), SCADA, Novato & CIMIS Station	753.29
62	Waste Management	Misc. Debris	217.76
63	Winzer	Misc Hardware, Hose Clamps & Cable Ties for Fleet	275.85
TOTAL DISBURSEMENTS			<u>302,007.69</u>

The foregoing payroll and accounts payable vouchers totaling \$302,007.69 are hereby approved and authorized for payment.

 _____
 Auditor-Controller Date 8/21/18

 _____
 General Manager Date 8/21/18

DISBURSEMENTS - DATED AUGUST 30, 2018

Date Prepared 8/28/18

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 8/15/18	\$148,265.88
EFT*	Internal Revenue Service	Federal & FICA Taxes PPE 8/15/18	60,795.33
EFT*	State of California	State Taxes & SDI PPE 8/15/18	12,749.16
EFT*	CalPERS	Pension Contribution PPE 8/15/18	34,779.64
EFT*	CalPERS	Fees for GASB-68 Reports & Schedules	700.00
1	Allquip Universal	Pressure Regulators & Gauges	311.04
2	All Star Rents	Air Compressor Rental (1 Day)	148.04
3	Alpha Analytical Labs	Lab Testing	30.00
4	Alphagraphics Marin	Meter Letters (1,400) & Mailing Services (1,388)	1,005.34
5	Amazon/Genuine-Hardware	Storage Facility Camera Software (\$399), Binder Organizer Case (\$44), Phone Case (\$30), Hunting Binoculars/Service Award (\$89), Concrete Mixing Tarps (2) (\$76), Epoxy Adhesive (\$17) & Camera Hardware (\$299)	955.07
6		Vision Reimbursement	20.08
7	Athens Administrators	September Workers Compensation Admin Fee	1,000.00
8	AT&T	August Internet Connection for PRTP	94.25
9	AT&T	Leased Lines	66.24
10	Automation Direct	New Ultrasonic Level Transducer for RWF Effluent Chamber	780.00
11	Bacciocco, Warren	Refund Overpayment on Open Account	622.13
12	Backflow Distributors	Check Repair Kit	478.43
13	Bay Area Barricade Service	Spray Chalk (24 cans), Marking (24) & Striping Paint (48) (\$224)	499.10

Seq	Payable To	For	Amount
14	Black Box	Replacement Crimp Tool for Networking/Radio Cables	95.46
15	Bold & Polisner	July Legal Services & Potter Valley Project FERC (\$1,176)	1,533.00
16	Borges & Mahoney	pH Probe (STP)	325.08
17	CDW-Government	Annual Service Contract With Cisco to Provide Service & Technical Support for Main Computer Firewall @ District	736.09
18	Coast Counties Peterbilt	Heavy Duty Cable Ties for Hydrant Hose (79) (\$333), Air Filter, Fuel Filter, Tie-Cable & Dual Clamp	543.06
19	Core Utilities	Consulting Services: July IT Support (\$6,000), Labor for Security Cameras @ Tank Sites (\$1,350), Program Radios, Communication Cards & Build SCADA Screen for Harbor Drive PLC (\$600), SCADA (\$125), Diagnose Main Firewall Problem (\$1,700), CORE Maintenance (\$175), Website Maintenance (\$300) & AMI Maintenance (\$300)	10,550.00
20	Cummings Trucking	Rock (\$2,867) (66 yds) & Sand (\$3,105) (49 yds)	5,971.95
21	Dauphinis, Annick	Novato "Toilet Rebate" Program	200.00
22	Fedak & Brown	Professional Services Rendered During Month of July	6,500.00
23	Ferguson Waterworks	1" Meters (50) (\$13,907), (Registers (100) (\$16,871) & 1.5" Meters (4)	32,874.18
24	Fisher Scientific	Pipets (500) & Filter (Lab)	189.91
25	Friedman's Home Improvement	Asphalt Repair for Ridge Road	36.70
26	Golden Gate Petroleum	Gasoline (\$3.19/gal) & Diesel (\$3.36/gal)	3,267.22
27	Grainger	Evaporative Cooling Towels (8) (\$73), Hard Hat, Traffic Cones (6) (\$293), Couplers (2), Adapter, Reciprocating Saw Blades (110) (\$469), Listening device for Fuel Service Representatives & 4" Tee	1,165.20
28	HERC Rentals	Backhoe Rental (1 week)	1,058.80


Seq	Payable To	For	Amount
29	Home Depot	Brooms (12)	282.56
30	InfoSend	July Processing Fee for Water Bills (\$1,410), Postage (\$3,961), July Monthly Support Fee & Novato Insertion Fee for Customer Notification of Water Quality Report	6,286.90
31		Cafeteria Plan: Uninsured Medical Reimbursement	120.00
32	Jim-n-i Rentals	Steel Plate Rentals (2) (2 weeks)	808.77
33	JW Mobile	Replacement Hose & Crimp Fittings for Back of Backhoe	1,987.99
34	Kehoe, Theresa	Exp Reimb: Retirement Book for David Jackson	45.60
35	Ledezma, Maria	Novato "Washer Rebate" Program	50.00
36	McLellan, WK	Misc Paving	6,677.97
37	Medora	Replacement Parts for Damaged Solar Bee (STP)	4,220.00
38	Minuteman Press	Rack Cards (1,000)	176.31
39	Neopost USA	Ink Cartridge (\$194) & Sure Seal Sealing Kit	258.00
40	Novato Sanitary District	June 2018 RW Operating Expense	24,510.23
41	NSI Solutions	pH QC Standard (Lab)	51.25
42	Pace Supply	Reducers (2) (\$469), Butterfly Valve (\$1,164), Ells (3), Saddles (2), Duel Wedge (3), T-Head Bolt & Nuts (48), Flange Adaptors (3) (\$921), Coupling, Nipple, Bushing & Third 'O Let	4,101.80
43	Pape Machinery	O-Ring Kit	86.80
44	Parkinson Accounting Systems	July Professional Services	195.00
45	NMWD Petty Cash	Petty Cash Reimbursement	87.96
46	Point Reyes Prop Mgmt Assn	August HOA Fee (25 Giacomini Rd)	75.05
47	R & B	Clamps (4) & Service Saddles (2)	582.16
48	RM Harris	Refund Overpayment on Closed Account	62.11

Seq	Payable To	For	Amount
49		Cafeteria Plan: Uninsured Medical Reimbursement	291.47
50	Sequoia Safety Supply	Safety Vests (18), Bandages & Safety Glasses (24)	269.87
51	Soiland	Asphalt Recycling (10 tons)	51.40
52	Sonoma County Water Agency	July Contract Water	720,123.75
53	Staples Business Credit	Foamboard (2)	15.82
54	State Water Resources Control	D5 Certification Renewal (Stompe) (Budget \$105) (3/19-3/22)	105.00
55	Tamagno Green Products	Sludge Removal @ STP (54 yds)	1,620.00
56	Thatcher Chemical	Chlorine (2,000 lbs)	4,169.00
57	Tiburon 48 Lyford	No Account - Unable to Locate	2,203.79
58	Township Building Services	July Janitorial Service	1,877.53
59	Univar	Sodium Hydroxide (25,000 lbs)	9,121.14
60	USA BlueBook	pH Electrode (STP) & Disposable Wipes (5,880 - 12" x 12") (\$305)	561.48
TOTAL DISBURSEMENTS			<u>\$1,119,423.09</u>

The foregoing payroll and accounts payable vouchers totaling \$1,119,423.09 are hereby approved and authorized for payment.


8/28/18

 Auditor-Controller Date


8/28/18

 General Manager Date



999 Rush Creek Place
P.O. Box 146
Novato, CA 94948-0146

PHONE
415-897-4133

EMAIL
info@nmwd.com

WEB
www.nmwd.com

Assembly Member Marc Levine
10th Assembly District
P O Box 942849, Room 5135
Sacramento, CA 94249-0010

Senator Mike McGuire
2nd Senate District
1303 10th Street, Room 5061
Sacramento, CA 954814

August 22, 2018

Re: SB 845 (Monning) – Proposed Drinking Water Tax

Position: Opposition to SB 845

Dear State Legislators:

On behalf of North Marin Water District, I am writing to express our strong opposition to the recently amended bill regarding a proposed state tax on drinking water. The proposal is being advanced through the recently amended SB 845 by Sen. William Monning (D-Carmel). SB 845 is one of two last-minute bills that follow SB 623 (Monning) and the related 2018 budget trailer bill.

As a local water agency, we are committed to delivering safe and reliable water. We wholeheartedly support the goal of ensuring safe drinking water for all Californians, especially those in disadvantaged communities. However, taxing Californians for something that is essential to life does not make sense. North Marin Water District has serious concerns with requiring California's local water agencies to collect this tax for the state. As currently proposed, SB 845 adds a voluntary remittance with an opt-out feature to local water bills. While well-intended, this last-minute proposal is highly problematic. North Marin Water District customers would either have to: (1) pay the remittance, (2) opt-out or (3) pay a different amount. Furthermore, a refund mechanism is also referenced. This is an overly complex proposal that would create a billing nightmare for NMWD, and has not been fully vetted by any policy committee with public input.

North Marin Water District believes that the Safe Drinking Water State Revolving Fund (SRF), General Obligation Bonds and the State's General Fund are more appropriate funding alternatives since access to safe and affordable water is a statewide public health and social issue.

For these reasons, North Marin Water District opposes SB 845 and respectfully requests your "NO" vote on this bill.

If you or your staff have any questions, please contact me at 415-897-4133 or dmcintyre@nmwd.com.

Sincerely,




Drew McIntyre
NMWD General Manager

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MEMORANDUM

To: Board of Directors

August 31, 2018

From: Julie Blue, Auditor-Controller 

Subj: Information - 2019 Medical Plan Cost Decrease
\\nmwdserver1\administration\act\word\personnel\health\health ins cost increase 2019.docx

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: \$9,800 (1%) Decrease in 2019 Group Medical Insurance Contribution

CalPERS released the 2019 medical insurance premium amounts negotiated with its providers. The NMWD Employee Association MOU provides for a District contribution of up to \$3,830 per year to the CalPERS Health Plan. In addition, the District contributes \$137 plus 85% of the Kaiser Basic Medical Plan premium amount, based upon each employee's family status (single, couple, or two or more dependents), less \$3,830, into each employee's cafeteria plan account. Effective January 1, 2019, the Kaiser premium amount will decrease 1.5%.

Twenty of the District's fifty-two employees have alternative medical insurance coverage and have opted-out of the District's group medical plan¹, saving the District \$76,600 in foregone medical insurance contributions to CalPERS. These employees will see an average decrease of 1.75% in the District contribution to their cafeteria plan, which all have elected to receive as taxable income.

The District's 2019 medical insurance obligation for its active employees will be \$770,070, a \$12,000 decrease (1.5%) from the current year². The FY19 budget projected a 4% increase.

The District's 2019 cash outlay for retiree medical insurance will be \$202,000 a \$2,200 increase (1%) from the current year³. The District's 2012 labor agreement provides for a contribution toward retiree medical insurance. Retirees between age 55 and 65 with more than twelve years of service receive up to 85% of the Kaiser 2-party premium amount⁴. All other annuitants receive up to the amount contributed on behalf of employees (\$3,830). There are 37 annuitants participating in the District's group medical plan, an increase of four annuitants. Eighteen of the annuitants (or their survivors) retired prior to the 2005 labor agreement that enhanced the retirement plan to 2.5% at age 55 and capped the retiree medical benefit at \$3,830 per year. The District continues to honor the higher medical benefit amount promised to the eighteen pre-2005 annuitants who do not benefit from the enhanced retirement plan. The total outlay (employee plus retiree) will decrease \$9,800 (1%).

¹ Employees who provide acceptable proof of alternative insurance for themselves and all dependents may use the Cafeteria Plan contribution for purposes other than supplemental medical insurance.

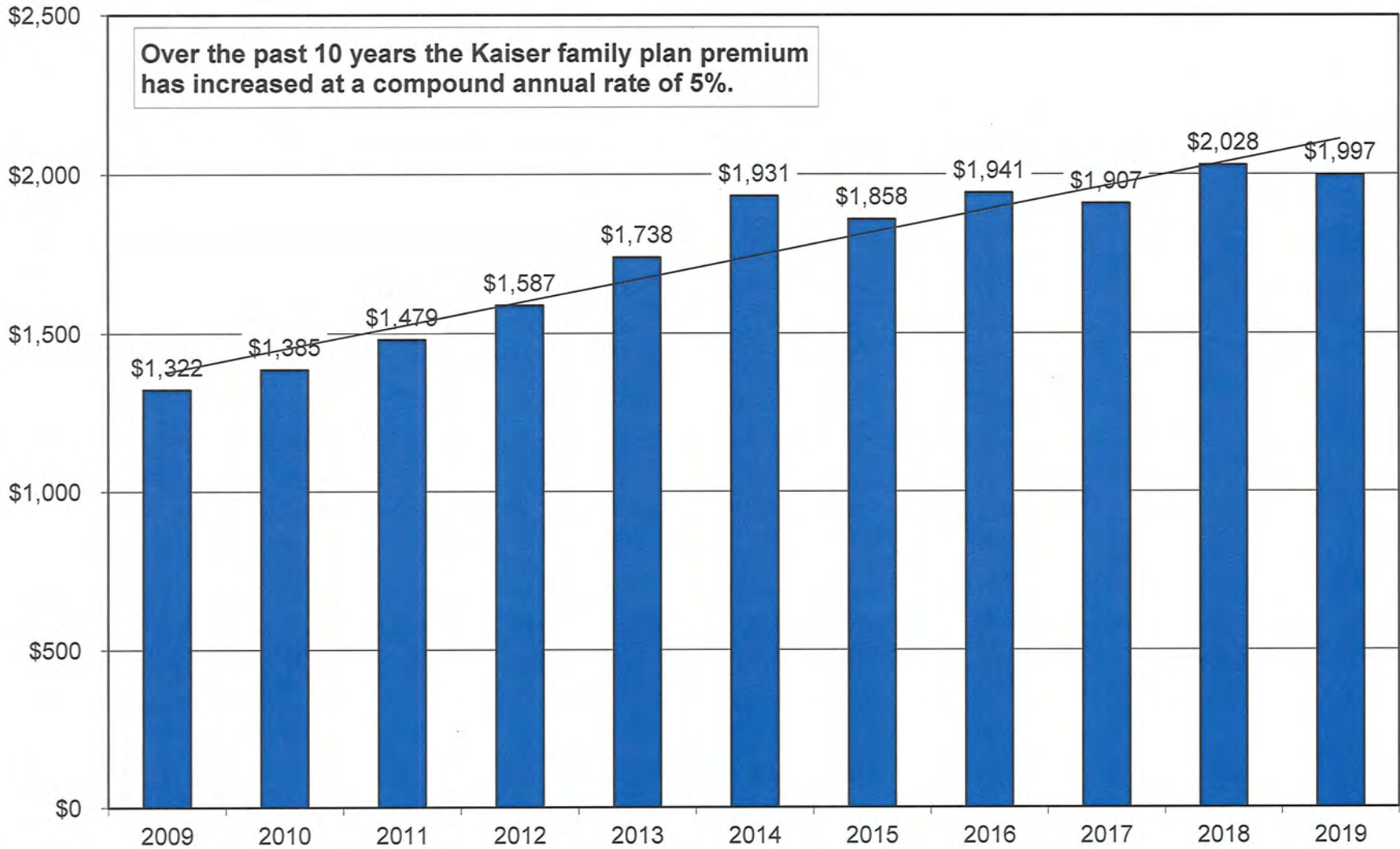
² Based on the current employee demographic.

³ Based on the current retiree population.

⁴ One annuitant under age 65 who retired prior to the 2012 MOU receives 90% of the Kaiser premium amount.

CalPERS Kaiser Health Plan Monthly Family Premium

Over the past 10 years the Kaiser family plan premium has increased at a compound annual rate of 5%.



PROOF OF PUBLICATION (2015.5 CCP)

This space is for the County Clerk's Filing Stamp

STATE OF CALIFORNIA County of Marin

I am a citizen of the United States and a resident of the county aforesaid. I am over the age of eighteen years, and not a party to or interest in the above-entitled matter. I am the publisher of the Point Reyes Light, a newspaper of general circulation, printed and published in the town of Point Reyes Station, County of Marin and which newspaper has been adjudged a newspaper for general circulation by the Superior Court of the County of Marin, State of California, under the date April 26, 1949, Case Number 183007; that the notice of which annexed is a printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates to wit:

8/30/18

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Date at Inverness, California, this

8/30/18

Signature



Proof of Publication

Notice:

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

Date	Sodium	Chloride	Units
7/31/18	100	240	mg/L
8/7/18	55	110	mg/L
8/21/18	60	130	mg/L
8/28/18	93	230	mg/L

*milligrams per liter

Drew McIntyre, General Manager
North Marin Water District

SPORTS

Big winter for rain, snow could fill state's reservoirs

Tom Stienstra

Aug. 20, 2018 | Updated: Aug. 20, 2018 5 a.m.



So much snow has fallen on Mount Shasta, here at an elevation of 6,950 at the Bunny Flat Trailhead, that crews had to dig out the restroom last Friday

Photo: Tom Stienstra / Tom Stienstra / The Chronicle

Over the weekend, the total acres burned in wildfires in California was expected to hit 1 million for the year, announced the National Interagency Fire Center.

The chance of an El Niño this winter rose to 70 percent, according to the Climate Prediction Center.

Those two factors, confirmed Michael Pechner, the Bay Area's weather wizard, could add up to a high chance of a big winter for rain and snow, enough to fill the state's reservoirs, and

depending on snow levels, create stellar conditions for winter sports in the high Sierra.

For years, Pechner and I have done long-term outlooks and then compared notes. "I know it's only mid-August, but my inclination is to expect a wet winter starting in December," I told him. "I'm getting this from the smoke and sediment from the fires, and the higher ocean temperatures forming in the Pacific off Southern California and the Gulf of Alaska."

"Absolutely, on both counts," Pechner confirmed, and then added, "and I think there is a real good chance of an El Niño this winter." Within days, federal climatologists confirmed that assessment.

Weather determines the health of the landscape, and with it, recreation chances.

Dust/ash can equal rain: When dust particles and water vapor are present at the same time, the moist vapor can adhere and condense on the dust. If there is enough dust and moist vapor, it can create a cloud, and in turn, produce rain. This is a more common event, you learn in pilot training, near regions with smokestacks in the northeastern U.S. (like now). But the same principle can occur in the Western U.S. from wildfires, already 1 million acres burned, with four weeks of peak season ahead, combined with moist air from El Niño.

El Niño: According to the Climate Prediction Center, the chance of El Niño is 60 percent by fall, then 70 percent by winter. Sea-surface temperatures are above average in many areas. In early August, two weather buoys off San Diego reported 81.3 degrees, likely a record. On Saturday, it was 75 off Torrey Pines. At the weather buoy 18 miles west of San Francisco, it was 58, up from 52 in July.

Tom Stienstra is The San Francisco Chronicle's outdoor writer. Email: tstienstra@sfnchronicle.com Twitter: @StienstraTom

Supervisors OK \$2.5M for land near Mount Burdell

OPEN SPACE

By Richard Halstead

rhalstead@marinij.com @HalsteadRichard on Twitter

Marin County will use about \$2.5 million of Measure A money to acquire 167 acres of ranchland adjacent to the Mount Burdell Open Space Preserve.

The Board of Supervisors unanimously approved the expenditure on Tuesday.

“It is a staggeringly beautiful landscape and a natural geographic extension in the landscape from the existing Mount Burdell Open Space Preserve,” said Carl Somers, planning manager for Marin County Parks.

Jay Garlick, who leads several partnerships that own the property, said, “I’m glad that this could happen so the public can take advantage of it. I feel good about that.”

Somers said, “The county has negotiated on and off with this property owner for 40 years.

The city of Novato has periodically participated in those negotiations. This is the culmination of a very long conversation.”

The addition is part of the 855-acre Bowman Canyon Ranch, situated on the eastern side of the Bowman Canyon Creek watershed. The ranch, where beef cattle now graze, abuts Novato’s urban growth boundary near Stafford Lake. The land supports habitat for several special-status species including red-legged frogs.

The open space addition has about three miles of unpaved ranch roads offering scenic views

that will be used by hikers, bikers and horseback riders.

Somers said the land is a priority conservation area noted in the Marin County Parks and Open Space Strategic Plan and Plan Bay Area. The strategic plan states that the “Mount Burdell Open Space Preserve is a major element of a proposed greenbelt extending from Rush Creek wetlands to Stafford Lake Park.”

Supervisor Judy Arnold said, “This is such a win for everybody. It is going to be a wonderful addition for Novato.”

Said Novato Councilwoman Denise Athas: “It’s beautiful land. It should be preserved. It’s absolutely stunning.”

“This is like a dream come true,” said Nona Dennis, a Marin Conservation League board member.

Dennis, however, did sound one cautionary note. She said recreational users have caused much of the wildlife in Mount Burdell Open Space Preserve to find sanctuary on the 167 acres being acquired; she expressed concern the new property’s



A view of Mount Burdell from the east. The county’s 167-acre acquisition will add to the Mount Burdell Open Space Preserve and include about three miles of unpaved ranch roads offering scenic views that will be used by hikers, bikers and horseback riders.

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existing network of roads might promote overuse.

Geronimo Golf Course have filed suit asserting that the county violated CEQA by not doing a required

The remaining 693 acres of the ranch will remain in private ownership and off limits to the public.

Somers said that Garlick invested in the property in the 1970s and built a series of partnerships around it at a time when it seemed feasible that the canyon might be developed as a new township.

“When I bought it, it was zoned for development,” Garlick said. “I had 7,500-square-foot lots, and then it went to one acre, and then to 20 acres, and then it went to 60 acres; so I just sat on it.”

“I hoped to be able to provide some housing where they need it so badly,” he said. “But I feel good about this.”

Marin County hired David Tattersall, a commercial real estate appraiser based in San Rafael, to conduct an independent appraisal of the property. Tattersall concluded the total value of the entire ranch was \$12.8 million, or about \$15,000 per acre.

Marin County Open Space District staff then identified 167 acres of the property adjacent to the preserve that would maximize the opportunities for habitat protection and recreation.

“We didn’t have the money on-hand to buy the whole property,” Somers said, “and we didn’t have the opportunity to get an option that would give us the time to go out and raise the rest of the money.”

Tattersall was also consulted last year before the Board of Supervisors signed an agreement to purchase the San Geronimo Golf Course for \$8.85 million. Critics contended that price was too high.

According to the staff report prepared for the supervisors’ Tuesday meeting, Open Space District staff and the county counsel have determined that this new land purchase is exempt from the California Environmental Quality Act (CEQA).

Opponents of the San

environmental analysis before approving that purchase. Resolution of the matter is still pending.

Tuesday’s staff report states the new purchase will qualify for a categorical CEQA exemption. According to the report, the exemption allows for the transfer of land to create parks where the land is in natural condition and there is no management plan that would direct its future uses. The 167 acres will be incorporated into the existing Mount Burdell Open Space Preserve. The Open Space District has no plans for future development or use of the property.

Unlike the San Geronimo Golf Course purchase, which relies on state conservation grants to provide a significant amount of the funding, all of the money for this purchase will come from Measure A funds.

Approved by countywide voters in 2012, the quartercent sales tax funds projects and programs that benefit parks, open space and agricultural lands across Marin. Thirteen percent of Measure A funds are earmarked for land acquisition. Measure A money has been used to purchase Sky Ranch near Fairfax and, in coordination with Marin Audubon Society, the Corte Madera Baylands.

Somers said there is currently more than \$8 million in the Measure A land acquisition fund, although nearly \$4 million has been earmarked for purchasing the Buck’s Landing boat launch area near San Pedro Bay in Santa Venetia and covering part of the San Geronimo Golf Course purchase.

“We didn’t have the money on-hand to buy the whole property and we didn’t have the opportunity to get an option that would give us the time to go out and raise the rest of the money.”

— *Planning manager for Marin County Parks, Carl Somers*

Legal Notice	Legal Notice
<p data-bbox="623 241 979 315">Notice of Marin County Deputy Zoning Administrator Hearing North Marin Water District Coastal Permit Project ID: P1927 APN(s): 114-120-09</p> <p data-bbox="623 315 979 346">Project Address: Drakes View Drive, Inverness</p> <p data-bbox="623 346 979 378">Applicant: North Marin Water District</p> <p data-bbox="623 378 979 420">Project Planner: Sabrina Sihakom (415) 473-3607 ssihakom@marincounty.org</p> <p data-bbox="623 420 979 514">Project Summary: The applicant is proposing to replace an existing fire damaged water tank and an additional existing water tank with a new 125,000-gallon water tank on a 5,500 square-foot lot in Inverness.</p> <p data-bbox="623 514 979 556">Date of DZA Hearing: Thursday, September 13, 2018</p> <p data-bbox="623 556 979 619">Hearing Location: 3501 Civic Center Drive, Rooms 328/330, Administration Building, San Rafael, California</p> <p data-bbox="623 619 979 703">Hearing Time: DZA hearings generally begin at 10:00 AM, but a more precise time will be indicated on the hearing agenda posted on the DZA hearing webpage one week before the hearing.</p> <p data-bbox="623 703 979 766">Staff Report: Available on the project webpage and the DZA hearing webpage on Friday, September 6, 2018.</p> <p data-bbox="623 766 979 913">The decision on this application may be appealed to the Planning Commission. If you challenge the decision on this application in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Planning Division during or prior to the public hearing. (Government Code Section 65009 (b)(2).)</p> <p data-bbox="623 913 979 1018">More information about this application is available online at http://www.marincounty.org/depts/cd/divisions/planning/projects, where projects are listed for the West Marin area. No. 1144 August 31, 2018</p>	