



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
 September 21, 2021 – 6:00 p.m.
 Location: Virtual Meeting
 Novato, California

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ATTENTION: This will be a virtual meeting of the Board of Directors pursuant to Executive Order N-29-20 issued by the Governor of the State of California.
 There will not be a public location for participating in this meeting, but any interested member of the public can participate telephonically by utilizing the dial-in information printed on this agenda.

Video Zoom Method

CLICK ON LINK BELOW:

Go to: <https://us02web.zoom.us/j/82191971947> OR

Password: 466521

SIGN IN TO ZOOM:

Meeting ID: 821 9197 1947

Password: 466521

Call in Method:

Dial: +1 669 900 9128
 +1 253 215 8782
 +1 346 248 7799
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 +1 312 626 6799
 +1 646 558 8656

Meeting ID: 821 9197 1947#

Participant ID: #

Password: 466521#

For clarity of discussion, the Public is requested to MUTE except:

1. During Open Time for public expression item.
2. Public comment period on agenda items.

Please note: In the event of technical difficulties during the meeting, the District Secretary will adjourn the meeting and the remainder of the agenda will be rescheduled for a future special meeting which shall be open to the public and noticed pursuant to the Brown Act.

| Est. Time | Item | Subject |
|----------------------|----------------------|---|
| 6:00 p.m. | CALL TO ORDER | |
| | 1. | APPROVE MINUTES FROM REGULAR MEETING , September 7, 2021 |
| | 2. | GENERAL MANAGER'S REPORT |
| | 3. | OPEN TIME: (Please observe a three-minute time limit) This section of the agenda is provided so that the public may express comments on any issues not listed on the agenda that are of interest to the public and within the jurisdiction of the North Marin Water District. When comments are made about matters not on the agenda, Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or direct staff to place a matter of business on a future agenda. The public may also express comments on agenda items at the time of Board consideration. |
| | 4. | STAFF/DIRECTORS REPORTS |
| | 5. | MONTHLY PROGRESS REPORT |
| | | CONSENT CALENDAR The General Manager has reviewed the following items. To his knowledge, there is no opposition to the action. The items can be acted on in one consolidated motion as recommended or may be removed from the Consent Calendar and separately considered at the request of any person. |
| | 6. | Consent - Approve: Fall 2021 Novato "Waterline" Text Issue 47 |
| | 7. | Consent - Approve: Base Salary Schedule Revision |
| | | ACTION CALENDAR |
| | 8. | Approve: West Yost, Inc. Agreement for Local Water Supply Enhancement Study |
| | 9. | Approve: Letter Re Complaint about Backflow Protection Compliance Per District Regulation 6 |
| | | INFORMATION ITEMS |
| | 10. | Special WAC/TAC Meeting – September 13, 2021 |
| | 11. | NBWA Meeting – September 10, 2021 |
| | 12. | MISCELLANEOUS Disbursements – Dated September 9, 2021 Disbursements – Dated September 16, 2021 Point Reyes Light – Salinity Notice September 9, 2021 Point Reyes Light – Salinity Notice September 16, 2021 City of Novato – Sustainability News – September 2021 |
| | | <u>News Articles:</u> Marin IJ – Marin County Drought Tracker Point Reyes Light – Marin launches Dillon Beach wastewater study Point Reyes Light – Gallagher well appealed to state agency Marin IJ – Editorial – Multipronged approach vital to water supply Marin IJ – High water use penalty proposed – MARIN MUNICIPAL Marin IJ – Competitive 2022 elections await water district seats Marin IJ – Wednesday Soapbox – North Marin Water District at critical junction |
| | | <u>Social Media Posts:</u> NMWD Web and Social Media Report – August 2021 |

| Est. Time | Item | Subject |
|----------------------|-------------|---------------------------|
| 7:30 p.m. | 13. | <i>ADJOURNMENT</i> |

1

35 On motion of Director Petterle seconded by Director Fraites the Board approved the
36 amended minutes from the August 17, 2021 Regular Board Meeting by the following vote:

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

38 NOES: None

39 ABSTAIN: None

40 ABSENT: None

41 On motion of Director Baker seconded by Director Fraites the Board approved minutes
42 from the August 30, 2021 Special Board Meeting by the following vote:

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

44 NOES: None

45 ABSTAIN: None

46 ABSENT: None

47 **GENERAL MANAGER'S REPORT**

48 West Marin Salinity Update

49 Mr. McIntyre reported the most recent sodium level test result was below 50 mg/L.
50 Additionally, he stated staff will continue to monitor the salinity levels and publish the results in
51 the Point Reyes Light.

52 Special WAC Meeting on September 13

53 Mr. McIntyre informed the Board that as NMWD WAC representative, Director Baker will
54 be attending a special WAC meeting next Monday September 13th, to vote to approve an update
55 to the water shortage allocation methodology that all water contractors approved in 2014. He
56 stated the update addresses a question that was raised in the 2014 model regarding calculating
57 human health and safety needs (i.e. indoor demands). He noted the intent of the 2021 update is
58 to remove commercial/ industrial/institutional (CII) demands from the human needs calculation
59 and only use indoor residential demands. Mr. McIntyre added the TAC ad hoc has been working
60 since early 2021 on this update and all TAC members are advising their WAC members to vote
61 in support of this update, which requires unanimous support by all eight water contractors

62 Director Joly asked about the current reservoir capacities. Mr. McIntyre responded
63 Stafford Lake was at 33%, Lake Sonoma was at 47% and Lake Mendocino was at 26%. Director
64 Joly asked if there was anything being done at the federal or state level to help with water supply
65 and the drought. Mr. McIntyre commented on the article under miscellaneous in which the

66 Western State Governors and local Congressman Jared Huffman are requesting that the federal
67 government declare a major disaster declaration due to the drought. Mr. McIntyre also referred
68 to agenda item No. 6 grant application request for Gallagher Well No. 2 which is directly attributed
69 to state grant funds being made available to small community water systems for drought relief.
70 Director Joly asked when the Board can expect to see the preliminary ideas for the Sonoma
71 County Water Agency (SCWA) Regional Study. Mr. McIntyre replied the consultant is scheduled
72 to submit a technical memorandum as part of the November 1st WAC/TAC agenda.

73 **OPEN TIME**

74 President Grossi asked if anyone from the public wished to bring up an item not on the
75 agenda and there was no response.

76 **STAFF/DIRECTORS REPORTS**

77 President Grossi asked if any Directors or staff wished to bring up an item not on the
78 agenda and the following were discussed.

79 Director Petterle stated he read an editorial in the Marin IJ about Marin Municipal Water
80 District (MMWD). The article stated MMWD should consider collaborating with NMWD who is
81 also facing a water shortage. Director Petterle added if MMWD decides to move forward with
82 desalination it would make sense for us to have a discussion with them about regional benefits.
83 He noted our simplest solution is to get more water, it will not be cheap, but going in tandem with
84 another agency is worthy of the discussion. Director Joly added the Board's mission is to supply
85 water to our customers and what Director Petterle said was wise counsel. Mr. McIntyre responded
86 that he believes regional solutions are most desirable and we are in regular communication with
87 MMWD and our other North Bay retail water providers. Director Joly asked if MMWD was
88 involved with the Resiliency Study and Mr. McIntyre confirmed. Director Grossi emphasized that
89 we need to look at every source of water since we have both a short term and a long-term problem,
90 noting the sooner we can have those discussions the better.

91 Mr. Clark reported that Stafford Treatment Plant is no longer using ferric chloride and
92 switched to using ferric sulfate. He stated staff is seeing the same productivity levels and so far,
93 it has been a successful transition. Director Joly asked if the treatment plant will stop running
94 once Stafford Lake is at 23% capacity. Mr. Clark replied the plant is expected to continue to
95 operate to at least our normal fall season target of 177' or about 23% capacity.

96 Director Fraites asked if there was a land bridge between the shore and the island at
97 Stafford Lake. Mr. Clark replied that when the lake elevation is at 177 feet there is no land bridge
98 to the island. Director Fraites stated he agrees it would be good to work with MMWD on
99 desalination as a potential option. However, he recognized desalination is expensive, the energy

100 costs are off the roof and he is bothered by the brine issue. Director Grossi said he looked at the
101 San Diego County Carlsbad Desalination Facility and the electricity it takes for the process is
102 unbelievably expensive, noting the scale of their project was for 400,000 people. Director Grossi
103 added desalination may not work for less populated areas, but it still should be put on the table
104 for consideration. Director Joly stated the reason he asked about the 2019 Resiliency Study was
105 to see if they are even considering desalination and hoped that the study will not be outdated and
106 dead on arrival. Mr. McIntyre stated he believes the study will identify regional groundwater
107 recharge and recovery projects as the most viable, but we need to wait and see. Director Petterle
108 stated, given this year, there are things on the table that were not on the table two years ago.
109 Director Grossi stated it may be good to discuss this in a workshop. He noted it took San Diego
110 well over ten years to complete their desalination project, so therefore this could only be a long-
111 term solution. He added there is no simple answer and we need to review everything and every
112 groundwater basin.

113 **CONSENT ITEMS**

114 On the motion of Director Joly, and seconded by Director Petterle the Board approved the
115 following items on the consent calendar by the following vote:

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

117 NOES: None

118 ABSTAIN: None

119 ABSENT: None

120 **GALLAGHER WELL NO. 2 CONSTRUCTION – DWR GRANT APPLICATION**

121 The Board authorized the application for grant funding under the DWR Small Communities
122 Drought Relief Program; designated the General Manger as the representative for the grant and
123 adopted the resolution for the Gallagher Well No. 2 Project.

124 **CONTRACT AMENDMENT FOR CONSULTING SERVICES – RAUCH COMMUNICATIONS**

125 **CONSULTANTS**

126 The Board authorized the General Manager to amend the Consulting Services Agreement
127 with Rauch Communications Consultants for miscellaneous marketing and public relations
128 services in the amount of \$20,000.

129 **ACTION ITEMS**

130 **NMWD HEADQUARTERS UPGRADE PROJECT CEQA NOTICE OF EXEMPTION (NOE)**

131 Mr. Williams apprised the Board the District must perform an environmental review of the
132 proposed NMWD Headquarters Upgrade Project Notice of Exemption pursuant to the to the
133 California Environmental Quality Act (CEQA). He noted if the notice is not protested after thirty-

134 five days, the District may proceed with the final design and eventual construction of the project.

135 Director Petterle stated he is a CEQA watch dog and he feels comfortable with the
136 environmental review.

137 Director Grossi asked if there were any comments from the public and there were none.

138 On the motion of Director Petterle, and seconded by Director Fraites the Board authorized
139 staff to file the CEQA NOE with the Marin County Clerk by the following vote:

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

141 NOES: None

142 ABSTAIN: None

143 ABSENT: None

144 **NMWD HEADQUARTERS UPGRADE DECISION MILESTONES**

145 Mr. Williams requested the Board give direction to staff on the identified pre-construction
146 action item timeline. He discussed the milestones and tasks and noted potential risks if the
147 actions are not completed in a timely manner. Additionally, Mr. Williams stated the timing of these
148 actions are critical to the success of combining the original Phase 1 and Phase 2 into a single
149 construction phase which would reduce the overall construction time and reduce construction
150 cost.

151 Director Grossi stated it has been his experience PG&E generally does not get their
152 projects done on time and they could be months behind schedule. He noted getting PG&E
153 scheduled quickly is important, otherwise the building could be built and we are unable to hook
154 up to electricity. Director Grossi added the next key step is getting the City of Novato process
155 going. He stated he does not know about the lease, but would imagine there is a lot of commercial
156 office space available. Director Grossi added it is also important to get the financing in order, as
157 we may never see these low interest rates again. He recognized the timeline is in good order as
158 we need to understand what we are doing and when. Director Petterle stated he worked for
159 MMWD for thirteen years, and noted both MMWD and NMWD buildings were designed by
160 Crawford and Banning. He added when he left MMWD in 1990 the building was out of date even
161 then. Director Petterle stated now everything is tied to computers, there are ADA requirements
162 and commended Mr. Williams for moving the building renovation project along. He added, we
163 cannot forget there is a drought, but we cannot stop our operation because of the drought; we
164 need to figure this out separately. Director Petterle stated we need a more efficient building and
165 therefore he supports the renovation. Director Joly stated his issue is there is not enough
166 information regarding our current water supply shortage. He added, he understands that we want
167 a better building, but his first priority is water supply stability. Director Joly noted the District does

168 not yet know what the cost will be to participate in new water supply options next year. He added
169 supply is paramount on our financial reserves, and if Ms. Blue can convince the Board that we
170 can do both projects, then he is open to review the data. Director Joly stated he is happy to move
171 forward at this time, but in January we will know the rainfall totals and that is when we will be
172 ready for financing. He added there are difficult decisions to be made. Director Petterle pointed
173 out the building was built in the early 60's. Director Joly stated he does not want to commit our
174 reserves to the new building if there is a poor rain year. Director Petterle stated he did not
175 disagree with Director Joly, but it is September now, January will bring what it brings and we can
176 decide at that time. Director Fraitres stated by November we will hopefully get some idea of
177 potential near-term regional water supply options. He added he does not want to give up the
178 building project yet and the hard decision will come in January. Director Grossi stated the building
179 will not last fifty more years and we should not compare apples to oranges. The District is in good
180 shape financially and he is in favor of moving ahead with the project. He noted, things can change
181 and even by January it is possible we will not know the cost of supply.

182 Mr. Ramudo commented MMWD has had several renovations over the years, which
183 included a new lab building. He added a lot of what we are planning as part of our renovation
184 MMWD did years ago. Mr. McIntyre stated Mr. Williams and his team have done a good job laying
185 out the steps to move forward and staff would like the Board to indicate whether they support the
186 timeline. Director Joly agreed with Mr. McIntyre that staff did a great job on the timeline. He
187 asked if the Board wants to slow the renovation process down, can staff safely relocate to a full
188 lease building. Mr. Williams replied staff looked at several vacant opportunities and due to our
189 requirements, nailed it down to one location. He noted the space is available now, noting the
190 District is not a preferred tenant, because we are temporary. Mr. Williams added not all staff will
191 be relocated as only two of the lab staff will move to the leased building. He noted the plan is to
192 come back to the Board in January and report on the status of the project.

193 There were no comments from the public.

194 On the motion of Director Petterle, and seconded by Director Grossi the Board gave
195 direction to staff and approved the identified Pre-Construction action timeline by the following
196 vote:

197 AYES: Director Baker, Fraitres, Grossi, Joly and Petterle

198 NOES: None

199 ABSTAIN: None

200 ABSENT: None

201 **FREY & LAURETA, INC. CONSULTANT SERVICES AGREEMENT FOR HYDROPNEUMATIC**

202 **STATIONS ENGINEERING AND DESIGN SERVICES**

203 Mr. Williams apprised the Board that the majority of our customers in Novato are gravity
204 fed from higher elevation tanks, however Novato does have a few unique situations that require
205 a hydropneumatic system. He stated this agreement will provide the required engineering
206 services to complete a comprehensive engineering assessment of the existing hydropneumatic
207 systems, develop a priority ranking for improvements and a concept design for the top three
208 priority sites. Mr. Williams noted these locations will be considered for upgrade or replacement.
209 Additionally, Mr. Williams recognized Assistant Engineer Avram Pearlman for doing most of the
210 legwork for this memo.

211 Director Grossi noted there could be an elimination of possibly seven small
212 hydropneumatic systems like the one in Bahia that has a 3,000-gallon tank and a 3,700-gallon
213 average demand. Director Joly stated the study will give us an idea of what to do and give us
214 an idea of what we need to update. Mr. Williams replied all available options will be considered;
215 upgrading with new tanks, modifying pump stations and connecting services to other zones.

216 President Grossi asked if anyone from the public wished to comment. Jeffrey Tarantino
217 from Freyer & Laurenta, Inc. thanked the District for the opportunity to work with them and as a
218 local resident is also looking forward to working with staff.

219 On the motion of Director Joly, and seconded by Director Petterle the Board authorized
220 the General Manager to execute an agreement with Freyer & Laurenta, Inc. for a not to exceed fee
221 of \$98,600 by the following vote:

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

223 NOES: None

224 ABSTAIN: None

225 ABSENT: None

226 **STAFFORD LAKE 2021 WATERSHED SANITARY SURVEY**

227 Mr. Ramudo informed the Board that water systems using surface water to supply drinking
228 water are required to conduct watershed sanitary surveys of the reservoir's water sheds and must
229 update those surveys periodically. He added these assessments are used by the California State
230 Water Resources Control Board's Division of Drinking Water to ensure that water treatment is
231 sufficient to remove pathogens and chemical contaminants that may be present and to set
232 monitoring frequencies so that the presence of any contaminants can be adequately determined.
233 Mr. Ramudo noted there have been changes along the watershed as dairies have ceased
234 operation and even though we still have row crops and a pumpkin patch, the water shed is
235 manageable with no significant risks.

236 On the motion of Director Joly, and seconded by Director Baker the Board accepted the
237 completed Stafford Lake 2021 Watershed Sanitary Survey by the following vote:

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

239 NOES: None

240 ABSTAIN: None

241 ABSENT: None

242 **ACWA REGION 1 BOARD ELECTION (2022-2023)**

243 Mr. McIntyre stated he is the chair of the Nominating Committee again this year and
244 recommended to vote for the Nominating Committee's recommended slate.

245 On the motion of Director Petterle, and seconded by Director Baker the Board authorized
246 the General Manager to concur with ACWA Region 1 Nominating Committee's recommended
247 slate and sign the ACWA Region 1 Ballot by the following vote:

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

249 NOES: None

250 ABSTAIN: None

251 ABSENT: None

252 **INFORMATION ITEMS**

253 **FY2020/21 FOURTH QUARTER PROGRESS REPORT – WATER QUALITY**

254 Mr. Ramudo presented the FY 2020/21 fourth quarter progress report for Water Quality.
255 He updated the Board on the Novato system, which included Stafford Lake, treatment
256 performance, distribution and the Novato Recycled Water facility. Additionally, he discussed the
257 Point Reyes system which included the Coast Guard Wells, Gallagher Well, Point Reyes
258 Treatment Plant, and the distribution system. Mr. Ramudo noted there was still salinity intrusion
259 in the Coast Guard Wells, however luckily the District was able to use the Gallagher Well as an
260 additional supply for this quarter to help stabilize the salinity levels. Mr. Ramudo also reported
261 the new PRE Tank 4C (previously known as 4A) has been approved by the Division of Drinking
262 Water and is in service with good quality water.

263 **FY2020/21 FOURTH QUARTER PROGRESS REPORT – WATER CONSERVATION**

264 Mr. Grisso presented the FY 2020/21 fourth quarter progress report for Water
265 Conservation. He updated the Board on water conservation public outreach; programs, budget
266 and staffing. He noted participation levels in the rebate programs have increased as a result of
267 the drought. Mr. Grisso reported staff continues to implement the public outreach
268 communications plan, noting there will be a twice weekly posting as part of the social media
269 campaign. He noted the website will continue to be updated with news stories, newsletters,

270 mailers will be sent out and we will continue to use the water smart dashboard to get the general
271 messaging out. Mr. Grisso informed the Board the budget is good and consistent with last fiscal
272 year; however, with the impact of the drought he expects to see the rebate participation numbers
273 to increase. Additionally, Mr. Grisso stated staffing consists of himself and one half time person.

274 Director Fraites stated the City of Novato passed a new General Plan a few months ago
275 and asked if the city excludes new homes from putting in lawn, or at least reduce the amount that
276 can be installed. Mr. Grisso replied NMWD has those restrictions in place and previously they
277 were not allowed any more than 600 square feet of lawn. He added under the current ordinance
278 no lawn can be installed at this time. Director Petterle thanked Mr. Grisso for putting out the
279 Recycled Water signs, noting over the long haul it will prevent many calls to the District. Director
280 Joly commended Mr. Grisso for his memo, and noted the retrofit on resale and pools cover
281 rebates are up. He asked if Mr. Grisso has been participating in group discussions and giving
282 presentations. Mr. Grisso replied he and Mr. McIntyre have done a lot of outreach to public
283 groups, in person and on Zoom with groups like; Rotary, Master Gardeners and West Marin
284 Climate Action to name a few.

285 **FY2020/21 FOURTH QUARTER PROGRESS REPORT – ENGINEERING DEPARTMENT**

286 Mr. Williams presented the FY 2020/21 fourth quarter progress report for the Engineering
287 Department. He apprised the Board of the performance status for the capital improvement
288 projects for both the Novato and West Marin service areas. He noted of the thirty-three Novato
289 service area projects a total of sixteen were completed; and of the eleven West Marin projects
290 three projects were completed. He noted some projects could potentially qualify for federal
291 drought assistance through FEMA that provides funding at seventy-five cents on the dollar.

292 **FY2020/21 FOURTH QUARTER PROGRESS REPORT – OPERATIONS/MAINTENANCE**

293 Mr. Clark presented the FY 2020/21 fourth quarter progress report for the Operations/
294 Maintenance Department. He summarized operations, Stafford Treatment Plant production,
295 Novato water system flows, West Marin system; Oceana Marin system; water quality;
296 maintenance and cross-connection control. Mr. Clark informed the Board that PG&E changed
297 the time of use period. He added all the programming on the pump stations had to be changed and
298 now we are forced to operate during peak times; which means we can expect higher electric bills
299 in the future. Mr. Clark reported on the maintenance on the Coast Guard Wells. He noted the
300 contractor scrubbed and flushed the wells which has increased the flows, but did not help with
301 salinity. Additionally, the Gallagher Well needs maintenance every year, because otherwise we
302 see a drop in flow.

303 **WATER SUPPLY COMMUNICATIONS PLAN**

304 Mr. McIntyre presented the Water Supply Communications Plan. He recommended the
305 District launch a more robust water supply education effort this fall; which includes increasing
306 website update frequency, focusing on new messaging, additional E-Newsletter outreach, the Fall
307 Waterline Newsletter and preparing Marin Voice submissions to the Marin IJ. Mr. McIntyre noted
308 there have been a lot of questions about supply, about what we have done in the past, what we
309 are doing now and in the future.

310 Director Fraites stated we need to work into the discussions that these water supply
311 projects will cost more money and may in turn increase our rates. He added, we need the public
312 to understand that increasing water supply would result in rate increases. Director Joly expressed
313 he is in favor of letting the public know our concern about supply and how we are addressing it.
314 He added, the public also needs to understand that supply is also used for fire protection, noting
315 he has talked to people around town and they think the fire department supplies the water from
316 the hydrants. Director Petterle stated he did not entirely disagree, but would want staff to phrase
317 it in a fashion that we will look at many ways to fund the cost. He noted there is also potential
318 grant money for infrastructure. Additionally, Director Petterle stated we need to educate the public
319 that MMWD and NMWD are two separate water agencies and clarify our service area. He noted
320 he gets questions all the time about increasing our water supply with the pipe on the bridge, when
321 that is clearly a MMWD project. Director Joly stated many people ask about the landscape at
322 Fireman's Fund, and car washes and it is important for the public to know that these types of
323 businesses are on recycle water.

324 Director Grossi stated the memo is leading us in the right direction, it is important to get
325 more information out there and asked if it would be worth it to hire a consultant to look at what
326 grants are available, noting there are firms that specialize in finding and writing grants. Mr.
327 McIntyre stated the District had GHD help with the Oceana Marin grants and staff will be reviewing
328 future grant writing options in more detail. Director Petterle stated there are a lot of environmental
329 grants available, noting we should not limit the search to water supply.

330 **NBWRA UPDATE – JULY 26, 2021**

331 Mr. McIntyre gave an update on the NBWRA meeting held on July 26, 2021. The minutes
332 were provided and included discussion on various topics; including future direction and next steps
333 for NBWRA. He also reported the final phase of the Las Gallinas project has been completed
334 and now we can move forward with Phase 1 close out.

335 **MISCELLANEOUS**

336 The Board received the following miscellaneous items: Disbursements – Dated August
337 19, 2021, Disbursements – Dated August 26, 2021, Disbursements – Dated September 2, 2021,

338 Point Reyes Light – Salinity Notice August 12, 2021, Point Reyes Light – Salinity Notice August
339 19, 2021, Point Reyes Light – Salinity Notice August 26, 2021, Point Reyes Light – Salinity Notice
340 September 2, 2021, Drought Drop By – August 21, 2021 and Security of Funds Invested in LAIF.

341 The Board received the following news articles: Marin IJ – Critics: Tighten water policies
342 – DROUGHT; Bloomberg – Chlorine Shortage Spurs Unprecedented Requests for EPA Help (1);
343 Marin IJ – Appeal filed on plan to dig well – NORTH MARIN WATER DISTRICT; Marin IJ – Marin
344 Voice – Work together as ‘One Marin Water’ to survive droughts; Point Reyes Light – Letters –
345 Readying for more drought; The Hill – Amid worsening drought crisis, lawmakers push Biden to
346 issue disaster declaration; Marin IJ – Key votes near for Marin emergency water pipeline –
347 DROUGHT RESPONSE; Marin IJ – Recycled water available for residents to pick up -MARIN
348 WATER DISTRICTS; Marin IJ – Marin County Drought Tracker; Marin IJ – Monthly billing ditched
349 as idea for saving water – MMWD; Marin IJ – Marin Voice – Charting a drought-resilient path
350 forward in Marin; Point Reyes Light – Water districts move ration plans forward; Marin IJ – Pipeline
351 design funding allotted – MMWD and Marin IJ – Endangered fish a drought victim?

352 Director Joly asked about the LAIF memo. Mr. McIntyre acknowledged Ms. Blue for her
353 good work on the memo. Director Joly commended staff for doing the review and thought it was
354 a very informative memo.

355 **ADJOURNMENT**

356 President Grossi adjourned the meeting at 7:57 p.m.

357 Submitted by

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359 Theresa Kehoe
360 District Secretary

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NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR August 2021
 September 21, 2021

1.

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

| Month | FY21/22 | FY20/21 | FY19/20 | FY18/19 | FY17/18 | 22 vs 21 % |
|-------------------|--------------|--------------|--------------|--------------|--------------|-------------|
| July | 282.9 | 341.7 | 317.7 | 341.1 | 331.0 | -17% |
| August | 212.4 | 290.1 | 287.1 | 300.9 | 303.0 | -27% |
| FYTD Total | 495.3 | 631.7 | 604.7 | 642.0 | 634.0 | -22% |

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

| Month | FY21/22 | FY20/21 | FY19/20 | FY18/19 | FY17/18 | 22 vs 21 % |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| July | 6.0 | 8.2 | 8.9 | 10.2 | 9.5 | -26% |
| August | 5.7 | 9.2 | 8.4 | 9.9 | 8.8 | -38% |
| FYTD Total | 11.8 | 17.4 | 17.3 | 20.2 | 18.3 | -32% |

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

| Month | FY21/22 | FY20/21 | FY19/20 | FY18/19 | FY17/18 | 22 vs 21 % |
|-------------------|-------------|--------------|--------------|--------------|--------------|-------------|
| July | 67.0 | 105.8 | 68.2 | 78.6 | 112.6 | -37% |
| August | 31.3 | 81.1 | 103.8 | 79.3 | 81.5 | -61% |
| FYTD Total | 98.2 | 186.9 | 171.9 | 157.9 | 194.1 | -47% |

Recycled Water Production* - in Million Gallons - FY to Date

| Month | FY21/22 | FY20/21 | FY19/20 | FY18/19 | FY17/18 | 22 vs 21 % |
|--------------------|-------------|-------------|-------------|-------------|-------------|------------|
| July | 42.9 | 39.0 | 36.5 | 30.2 | 27.7 | 10% |
| August | 46.4 | 43.2 | 33.3 | 30.6 | 26.1 | 7% |
| FYTD Total* | 89.3 | 82.2 | 69.8 | 60.7 | 53.8 | 9% |

*Excludes potable water input to the RW system: FY22=0 MG; FY21=24.7 MG; FY20=19.4; FY19=20.6 MG; FY18=15.8MG

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2. **Stafford Lake Data**

| | August Average | August 2021 | August 2020 |
|--------------------------|----------------|-------------|-------------|
| Rainfall this month | 0.05 Inches | 0.00 Inches | 0.07 Inches |
| Rainfall this FY to date | 0.06 Inches | 0.00 Inches | 0.07 Inches |
| Lake elevation* | 184.9 Feet | 180.1 Feet | 180.6 Feet |
| Lake storage** | 686 MG | 471 MG | 491 MG |

* Spillway elevation is 196.0 feet

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

Temperature (in degrees)

| | Minimum | Maximum | Average |
|----------------------|---------|---------|---------|
| August 2021 (Novato) | 52 | 114 | 79 |
| August 2020 (Novato) | 56 | 114 | 78 |

3. **Number of Services**

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| August 31 | Novato Water | | | Recycled Water | | | West Marin Water | | | Oceana Marin Swr | | |
|------------------------|--------------|--------|--------|----------------|------|--------|------------------|------|--------|------------------|------|--------|
| | FY22 | FY21 | Incr % | FY22 | FY21 | Incr % | FY22 | FY21 | Incr % | FY22 | FY21 | Incr % |
| Total meters installed | 20,795 | 20,781 | 0.1% | 99 | 98 | 1.0% | 795 | 790 | 0.6% | - | - | - |
| Total meters active | 20,614 | 20,561 | 0.3% | 96 | 93 | 3.2% | 786 | 781 | 0.6% | - | - | - |
| Active dwelling units | 24,094 | 24,085 | 0.0% | - | - | - | 837 | 831 | 0.7% | 235 | 235 | 0.0% |

4. Oceana Marin Monthly Status Report (August)

| Description | August 2021 | August 2020 |
|---------------------------------|----------------|-------------|
| Effluent Flow Volume (MG) | 0.527 | 0.632 |
| Irrigation Field Discharge (MG) | 0.641 | 0.000 |
| Treatment Pond Freeboard (ft) | 5.8 | 4.9 |
| Storage Pond Freeboard (ft) | Pond is empty. | 10.9 |

5. Developer Projects Status Report (August)

| Job No. | Project | % Complete | % This month |
|-----------|-------------------|------------|--------------|
| 1.2820.00 | Bahia Heights | 96 | 0 |
| 1.2837.00 | McPhails Phase 2A | 99 | 0 |
| 1.2831.00 | Landsea Homes | 95 | 0 |
| 1.2817.03 | COM-Miwok Center | 96 | 1 |
| 1.2841.00 | Hamilton Village | 90 | 20 |
| 1.2821.00 | Atherton Place | 98 | 2 |
| 1.2836.00 | Residence Inn | 5 | 5 |

District Projects Status Report - Const. Dept. (August)

| Job No. | Project | % Complete | % This month |
|-----------|-------------------------------|------------|--------------|
| 1.1798.00 | Replace Valves on Center Road | 5 | 5 |
| 1.7162.06 | New RW Hydrants | 5 | 5 |

Employee Hours to Date, FY 20/21

As of Pay Period Ending August 30, 2021
 Percent of Fiscal Year Passed = 17%

| Developer Projects | Actual | Budget | % YTD Budget | District Projects | Actual | Budget | % YTD Budget |
|--------------------|--------|--------|--------------|-------------------|--------|--------|--------------|
| Construction | 191 | 1,400 | 14% | Construction | 27 | 3,460 | 1% |
| Engineering | 437 | 1,504 | 29% | Engineering | 302 | 2,722 | 12% |

6. Safety/Liability

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FY 22 through August
 FY 21 through August

| Industrial Injury with Lost Time | | | | Liability Claims Paid | |
|----------------------------------|---------------------------|----------------------|------------------|-----------------------|------------------|
| Lost Days | OH Cost of Lost Days (\$) | No. of Emp. Involved | No. of Incidents | Incurred (FYTD) | Paid (FYTD) (\$) |
| 21 | \$4,782 | 1 | 1 | 0 | \$0 |
| 11 | \$4,840 | 1 | 1 | 0 | \$0 |

Days since lost time accident through August 31, 2021 40 Days

7. Energy Cost

| FYE | kWh | August | | Fiscal Year-to-Date thru August | | |
|-------------------------------|---------|--------|----------|---------------------------------|-------|----------|
| | | ¢/kWh | Cost/Day | kWh | ¢/kWh | Cost/Day |
| 2022 Stafford TP ¹ | 25,807 | 21.6¢ | \$180 | 67,573 | 21.6¢ | \$235 |
| Pumping | 136,878 | 27.6¢ | \$1,261 | 292,084 | 27.5¢ | \$1,298 |
| Other ² | 39,713 | 31.4¢ | \$416 | 82,021 | 31.3¢ | \$413 |
| | 202,398 | 27.6¢ | \$1,857 | 441,677 | 27.3¢ | \$1,946 |
| 2021 Stafford TP | 89,767 | 19.2¢ | \$556 | 184,834 | 19.6¢ | \$301 |
| Pumping | 187,568 | 25.5¢ | \$1,497 | 355,504 | 25.7¢ | \$1,497 |
| Other ² | 52,250 | 30.9¢ | \$504 | 97,642 | 30.2¢ | \$484 |
| | 329,585 | 24.7¢ | \$2,557 | 637,980 | 25.4¢ | \$2,282 |
| 2020 Stafford TP | 94,756 | 18.6¢ | \$568 | 169,454 | 18.9¢ | \$500 |
| Pumping | 178,683 | 23.5¢ | \$1,355 | 338,918 | 23.3¢ | \$1,297 |
| Other ² | 56,032 | 27.7¢ | \$501 | 110,283 | 18.9¢ | \$518 |
| | 329,471 | 22.8¢ | \$2,424 | 618,655 | 22.9¢ | \$2,315 |

¹Actual electricity used 49,598kWh.

²Other includes West Marin Facilities

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8. Water Conservation Update

| | Month of August 2021 | Fiscal Year to Date | Program Total to Date |
|--------------------------------------|----------------------|---------------------|-----------------------|
| High Efficiency Toilet (HET) Rebates | 12 | 29 | 4,304 |
| Retrofit Certificates Filed | 26 | 16 | 6,648 |
| Cash for Grass Rebates Paid Out | 9 | 19 | 967 |
| Washing Machine Rebates | 1 | 5 | 6,835 |
| Water Smart Home Survey | 0 | 0 | 3,899 |

9. Utility Performance Metric

| SERVICE DISRUPTIONS (No. of Customers Impacted) | August 2021 | August 2020 | Fiscal Year to Date 2021 | Fiscal Year to Date 2020 |
|--|-------------|-------------|--------------------------|--------------------------|
| PLANNED | | | | |
| Duration Between 0.5 and 4 hours | 8 | 23 | 25 | 55 |
| Duration Between 4 and 12 hours | | | | |
| Duration Greater than 12 hours | | | | |
| UNPLANNED | | | | |
| Duration Between 0.5 and 4 hours | | 4 | 2 | 27 |
| Duration Between 4 and 12 hours | | | | |
| Duration Greater than 12 hours | | 1 | | 1 |
| | | | | |
| SERVICE LINES REPLACED | | | | |
| Polybutylene | 3 | 22 | 13 | 32 |
| Copper (Replaced or Repaired) | 4 | 3 | 12 | 3 |

10. Summary of COVID-19 Costs and Water Bill Delinquency Impacts - to Date

| | Total |
|--|------------|
| Increase in on-call Labor Costs | \$ 115,600 |
| Payroll Accounts Receivable Collection Costs | \$ 10,700 |
| Time off to Employees for COVID related reasons* - | \$ 45,700 |
| Vendor Expenses - Including Legal Fees | \$ 44,800 |
| Total Covid-19 Costs to Date | \$ 216,800 |

* Families First Coronavirus Response Act (FFCRA) & CA Supplemental Paid Sick Leave (SPSL)
 Allows employees to take time off for COVID medical reasons including vaccination.

Water Bill Delinquency Impacts

| | 2 Years Ago 08/2019 | Last Year 08/2020 | This Year 08/2021 |
|--|------------------------|----------------------|----------------------|
| Customer Accounts Past Due (count) | 1.7% | 3.2% | 3.7% |
| Delinquent Balances % Due on Account | 4.1% | 8.1% | 11.0% |
| Delinquent Balances \$ Due on Account* | \$ 46,000 | \$ 116,000 | \$ 134,000 |

* High balance on record of \$150K in 02/2021.

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NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders August 2021

9/9/2021

| <u>Type</u> | <u>Aug-21</u> | <u>Aug-20</u> | <u>Action Taken August 2021</u> |
|---|---------------|---------------|---------------------------------|
| <u>Consumers' System Problem</u> | | | |
| Service Line Leaks | 42 | 17 | Notified Consumer |
| Meter Leak Consumer's Side | 1 | 0 | Notified Consumer |
| House Plumbing | 0 | 1 | ~ |
| Seepage or Other | 5 | 0 | Notified Consumer |
| House Valve / Meter Off | 23 | 7 | Notified Consumer |
| Nothing Found | 14 | 6 | Notified Consumer |
| Low Pressure | 1 | 1 | Notified Consumer |
| High Pressure | 1 | 1 | Notified Consumer |
| Total | 87 | 33 | |
| <u>Service Repair Reports</u> | | | |
| Meter Replacement | 3 | 2 | Replaced |
| Meter Box Alignment | 1 | 0 | Replaced |
| Box and Lids | 1 | 0 | Replaced |
| Water Off/On Due To Repairs | 2 | 6 | Notified Consumer |
| Misc. Field Investigation | 3 | 11 | Notified Consumer |
| Total | 10 | 19 | |
| <u>Leak NMWD Facilities</u> | | | |
| Main-Leak | 2 | 1 | Repaired |
| Service- Leak | 6 | 11 | Repaired |
| Services-Nothing Found | 0 | 1 | ~ |
| Service-Damaged | 1 | 0 | Repaired |
| Fire Hydrant-Leak | 0 | 2 | ~ |
| Fire Hydrants-Damaged | 0 | 2 | ~ |
| Meter Replacement | 1 | 0 | Repaired |
| Meter Leak | 1 | 0 | Repaired |
| Washer Leaks | 7 | 12 | Repaired |
| Total | 18 | 29 | |
| <u>High Bill Complaints</u> | | | |
| Meter Testing | 0 | 1 | ~ |
| Meter Misread | 0 | 2 | ~ |
| Nothing Found | 0 | 2 | ~ |
| Excessive Irrigation | 0 | 4 | ~ |
| Total | 0 | 9 | |
| <u>Low Bill Reports</u> | | | |
| Total | 0 | 0 | |
| <u>Water Quality Complaints</u> | | | |
| Color | 1 | 0 | Notified Consumer |
| Total | 1 | 0 | |
| <u>TOTAL FOR MONTH:</u> | 116 | 90 | 29% |

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders August 2021

9/9/2021

| <u>Type</u> | <u>Aug-21</u> | <u>Aug-20</u> | <u>Action Taken August 2021</u> |
|----------------------------------|-------------------|-------------------|---|
| <u>Fiscal YTD Summary</u> | | | <u>Change Primarily Due To</u> |
| Consumer's System Problems | 149 | 199 | -25% Decrease In Service Line Leaks. |
| Service Repair Report | 31 | 44 | -30% Decrease In Water Off/On Due To Repair |
| Leak NMWD Facilities | 43 | 49 | -12% Decrease In Washer Leaks. |
| High Bill Complaints | 0 | 24 | -100% Decrease In Excessive Irrigation. |
| Water Quality Complaints | 1 | 8 | -88% Decrease in Taste and Odor. |
| Total | <u>224</u> | <u>324</u> | <u>-31%</u> |

"In House" Generated and Completed Work Orders

| | | |
|---|-------------------|------------------|
| <u>Check Meter:</u> possible consumer/District leak, high bill, flooded, need read, etc. | 123 | 32 |
| <u>Change Meter:</u> leaks, hard to read | 0 | 4 |
| <u>Possible Stuck Meter</u> | 12 | 1 |
| <u>Repair Meter:</u> registers, shut offs | 14 | 2 |
| <u>Replace Boxes/Lids</u> | 4 | 3 |
| <u>Trims</u> | 0 | 1 |
| <u>Dig Outs</u> | 0 | 1 |
| <u>Letters to Consumer:</u> | 0 | 0 |
| | <u>153</u> | <u>44</u> |

Bill Adjustments Under Board Policy:

August 21 vs. August 20

| | | |
|--------|----|----------|
| Aug-21 | 25 | \$10,181 |
| Aug-20 | 21 | \$3,958 |

Fiscal Year vs Prior FY

| | | |
|----------|----|----------|
| 21/22 FY | 34 | \$11,254 |
| 20/21 FY | 33 | \$13,583 |

MEMORANDUM

To: Board of Directors

September 17, 2021

From: Julie Blue, Auditor-Controller *JB*
Nancy Holton, Accounting Supervisor

Subj: Auditor-Controller's Monthly Report of Investments for August 2021
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RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$25,248,329 and a market value of \$25,250,042. During August the cash balance increased by \$940,058. The market value of securities held increased \$1,712 during the month. The ratio of total cash to budgeted annual operating expense stood at 135%, up 5% from the prior month.

At August 31, 2021, 82% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), 12% in Time Certificates of Deposit, 4% in the Marin County Treasury, and 2% retained locally for operating purposes. The weighted average maturity of the portfolio was 39 days, compared to 28 days at the end of July. The LAIF interest rate for the month was 0.22%, the same as the previous month. The weighted average Portfolio rate was 0.34%, compared to 0.36% the previous month.

Investment Transactions for the month of August are listed below:

| | | | | |
|-----------|------------------|------------------------|--------------|-------------------------------|
| 8/3/2021 | US Bank | LAIF | \$650,000.00 | Trsf to LAIF account |
| 8/12/2021 | US Bank | LAIF | \$400,000.00 | Trsf to LAIF account |
| 8/18/2021 | US Bank | Sallie Mae Bank | \$249,000.00 | Purchase .35% TCD due 8/18/23 |
| 8/19/2021 | LAIF | US Bank | \$525,000.00 | Trsf from LAIF account |
| 8/20/2021 | US Bank | BMW Bank North America | \$249,000.00 | Purchase .45% TCD due 2/20/24 |
| 8/23/2021 | Capital One Bank | US Bank | \$249,291.01 | TCD Matured |

**NORTH MARIN WATER DISTRICT
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS
August 31, 2021**

| Type | Description | S&P Rating | Purchase Date | Maturity Date | Cost Basis ¹ | 8/31/2021 Market Value | Yield ² | % of Portfolio |
|------------------------------------|----------------------------|------------|---------------|---------------|-------------------------|------------------------|--------------------|----------------|
| LAIF | State of CA Treasury | AA- | Various | Open | \$20,637,150 | \$20,638,863 | 0.22% ³ | 82% |
| Time Certificate of Deposit | | | | | | | | |
| TCD | Capital One Bank USA | n/a | 9/6/19 | 9/7/21 | 247,000 | 247,000 | 1.75% | 1% |
| TCD | Goldman Sachs Bank USA | n/a | 10/11/19 | 10/12/21 | 247,000 | 247,000 | 1.70% | 1% |
| TCD | Flagstar Bank | n/a | 11/15/19 | 11/15/21 | 247,000 | 247,000 | 1.75% | 1% |
| TCD | Synovus Bank | n/a | 12/9/19 | 12/9/21 | 247,000 | 247,000 | 1.65% | 1% |
| TCD | Morgan Stanley Bank | n/a | 1/16/20 | 1/18/22 | 247,000 | 247,000 | 1.75% | 1% |
| TCD | Wells Fargo National Bank | n/a | 3/6/20 | 3/7/22 | 248,000 | 248,000 | 1.35% | 1% |
| TCD | American Express Natl Bank | n/a | 4/7/20 | 4/7/22 | 248,000 | 248,000 | 1.35% | 1% |
| TCD | Synchrony Bank | n/a | 4/17/20 | 4/18/22 | 248,000 | 248,000 | 1.20% | 1% |
| TCD | Pinnacle Bank | n/a | 5/7/20 | 5/9/22 | 248,000 | 248,000 | 0.90% | 1% |
| TCD | Enerbank | n/a | 9/25/20 | 9/25/24 | 249,000 | 249,000 | 0.45% | 1% |
| TCD | Sallie Mae Bank | n/a | 8/18/21 | 8/18/23 | 249,000 | 249,000 | 0.35% | 1% |
| TCD | BMW Bank | n/a | 8/20/21 | 2/20/24 | 249,000 | 249,000 | 0.45% | 1% |
| | | | | | \$2,974,000 | \$2,974,000 | 1.22% | 12% |
| Other | | | | | | | | |
| Agency | Marin Co Treasury | AAA | Various | Open | \$1,045,676 | \$1,045,676 | 0.22% | 4% |
| Other | Various | n/a | Various | Open | 591,503 | 591,503 | 0.41% | 2% |
| TOTAL IN PORTFOLIO | | | | | \$25,248,329 | \$25,250,042 | 0.34% | 100% |

Weighted Average Maturity = **39 Days**

LAIF: State of California Local Agency Investment Fund.

TCD: Time Certificate of Deposit.

Agency: STP State Revolving Fund Loan Reserve.

Other: Comprised of 5 accounts used for operating purposes. US Bank Operating Account, US Bank STP SRF Loan Account, US Bank FSA Payments Account, Bank of Marin AEEP Checking Account & NMWD Petty Cash Fund.

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

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

3 Earnings are calculated daily - this represents the average yield for the month ending August 31, 2021

| Interest Bearing Loans | Loan Date | Maturity Date | Original Loan Amount | Principal Outstanding | Interest Rate |
|-------------------------------------|-----------|---------------|----------------------|-----------------------|---------------|
| Marin Country Club Loan | 1/1/18 | 11/1/47 | \$1,265,295 | \$1,130,210 | 1.00% |
| Marin Municipal Water - AEEP | 7/1/14 | 7/1/32 | \$3,600,000 | \$1,930,238 | 2.71% |
| Employee Housing Loans (2) | Various | Various | 525,000 | 525,000 | Contingent |
| TOTAL INTEREST BEARING LOANS | | | \$5,390,295 | \$3,585,448 | |

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

6

MEMORANDUM

To: Board of Directors
From: Ryan Grisso, Water Conservation Coordinator *RG*
Subject: Approve Text for Fall 2021 Novato "Waterline" Issue 47
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September 17, 2021

RECOMMENDED ACTION: Approve Fall 2021 Novato "Waterline" Text

FINANCIAL IMPACT: \$8,000 (Included in FY 2021/2022 Budget)

Draft text for the Fall 2021 Novato "Waterline" Issue 47 is attached for your review. Due to scheduling and time constraints, a draft design was not able to be provided at this time. This draft issue includes a General Manager Message on the drought and related future water supply reliability planning, a summary of the District's historical proactive water supply reliability efforts, recycled water expansion recap, AMI water use access, water conservation program offerings, and advertises a third Drought Drop-By event scheduled for October 9. Should any Board member have individual comments please provide them to the General Manager at the Board meeting on September 21, 2021. It is expected the Fall 2021 Novato "Waterline" will be mailed in late September 2021.

RECOMMENDATION

Board authorize General Manager to approve final text and design of Fall 2021 Novato "Waterline" Issue 47.

Approved by GM *RG*Date 9/17/21

Attachment 1: Fall 2021 Novato Waterline Issue 47 Draft Text

General Manager Message

1) We are Developing New Water Supplies

While Drought is Here – Save Water with Us!

Thank You for Conserving. Please Keep it Up! I am pleased to report that our customers are on track to achieving the required 20% cutback in water use compared to the same period in 2020.

Winter 2020-2021 resulted in the lowest rainfall on record, just 8.6 inches of precipitation. Unfortunately, we don't know what this next winter will bring, so North Marin Water District asks that you remain diligent in conserving water as this drought continues.

Since 2018, Our Top Strategic Goal is to Increase Water Supply Reliability. In 2018, the District's Strategic Plan was updated, and Goal No. 1 was to increase long-term water supply reliability. We have been working to increase the water supply since then.

- In 2019, the District jointly funded a regional project identifying ways to ensure long-term water reliability throughout the region.
- In October 2021, the District will begin evaluating potential new local water sources via a Local Water Supply Enhancement Study. Everything is on the table, from increased water recycling to desalination.

We will keep the public informed as we learn more from these projects to identify water supply opportunities and invite customer questions and input.

While we develop new water supplies, we encourage our customers to continue to track and conserve water. Please visit our website at www.nmwd.com and take advantage of our water conservation programs and rebates, WaterSmart portal, Drought Guide, and more.

2)

North Marin Water District has been working for decades to ensure a sustainable water supply for Novato

Since the 1950s, the District has taken a proactive approach to water management. Here are some highlights:

- 1954** — Raised the level of Stafford Dam.
- 1960** — Constructed an aqueduct to connect to the Russian River supply.
- 1983** — Supported and funded construction of Lake Sonoma by Sonoma County Water Agency (SCWA).
- 2006** — Authorized SCWA to construct facilities to increase NMWD's water supply entitlements.
- 2006** — Upgraded Stafford Treatment Plant enhancing NMWD's ability to maximize its local water supply.
- 2011** — Began expanding recycled water delivery to large landscapes, offsetting 10% of our potable water supply typically used for landscaping and car washes.
- 2019-20** — Installed advanced meters for all customers, allowing customers to monitor their individual water use on an hourly and daily basis.
- 1980's Till Today** — NMWD has developed industry-leading conservation programs that have helped customers maintain an ongoing culture of water conservation.

3) Accessing Your Hourly and Daily Water Use

A WaterSmart Portal was developed as a part of the new AMI (Advanced Metering Infrastructure) system, and we encourage you to sign up and log in on the portal to get acquainted with the system and learn more about your water use. The portal gives customers access to hourly water use data and the ability to set up alerts for high use and leak events. It also allows you to monitor your compliance with Ordinance 41 water use prohibitions. Please visit the District's new website at www.nmwd.com to learn more about accessing the WaterSmart Portal (and online bill pay). If you experience any issues registering or logging in to the WaterSmart Portal, please call 415-897-4133, and a staff member can guide you through the process.

4) Drought Drop-by for your FREE Drought Tool Kit

October 9, 2021

COVID safe procedures in place

From 8am until 12pm

Free aerator, dye tab, shower head, bucket, nozzle and more!

Location: North Marin Water District

999 Rush Creek Place

Novato, CA 94945

Drought is Here. Save Water.

5) Water Smart Savings Program

North Marin Water District wants to help customers use water efficiently. That's why we've put all of our water saving promotions under one umbrella. The Water Smart Savings Program encompasses all you need to get started on saving water and saving money. Call 415-761-8944 for program details or visit www.nmwd.com. All program incentive values have been recently increased to encourage additional conservation during this current drought.

Water Smart Home Survey

This free service includes thorough indoor and outdoor water efficiency checks. Due to COVID, virtual surveys or phone guidance are offered at this time.

Water Smart Landscape Rebate

Rebates are available for water efficient landscape equipment, such as a new drip irrigation system replacing a spray system or a rain shut off device.

Pool Cover Rebate

Rebates are available for replacement pool covers.

Cash for Grass Rebate

Get cash for removing irrigated and maintained lawn and replacing it with low water use plants. Pre-qualification is required.

High Efficiency Clothes Washer Rebate

Rebate available for purchase a qualifying high efficiency clothes washer.

Rainwater Catchment Rebate

Rebate for collection and storage of rainwater.

High Efficiency Toilet Rebate

Customers who replace an old water-guzzling toilet with a qualified high efficiency toilet may be eligible for a rebate.

Weather-Based Irrigation Controller Rebate

Rebate for weather-based irrigation controllers that use weather data and site information such as plant type and sprinkler system output to automatically adjust watering times and frequency.

6) Recycled Water Expansion Recap

In the past 10 years, the District has expanded recycled water to increase sustainable local water supply reliability in Novato. Recycled water is tertiary treated, filtered and polished waste water and is supplied from both Novato and Las Gallinas Valley Sanitary Districts. StoneTree golf course was the first customer to use recycled water back in 2007. To expand this drought proof supply, starting in 2011, North Marin Water District began designing and constructing new recycled water pipelines to reach and deliver recycled water to the maximum number of large users possible. From 2012 to 2016 these expansion projects were completed. The new recycled water system serves the North, Central, and South Service Areas of Novato and currently has 92 connections, including three car washes, and currently offsets approximately 10% of Novato's potable water supply. Some of the larger water users who switched from potable to recycled water during this project include the former Fireman's Fund property, Valley Memorial Cemetery, Marin County Club, Novato Community Hospital and Vintage Oaks Shopping Center, numerous homeowner association common area landscape areas, and three car washes.

For more information on the Recycled Water: <https://nmwd.com/your-water/recycled-water/>

7) Fall is Here: Time to Turn Off Your Irrigation Systems

Shorter days and cooler temperatures are here. Remember to turn off or turn down your irrigation system as soon as possible. As plants slow their growth with decreasing sunlight, they need much less water. This effort will help achieve our community water use reduction goals into the winter.

7

MEMORANDUM

To: Board of Directors

September 17, 2021

From: Julie Blue, Auditor-Controller *JB*
Karen Clyde, HR & Safety Manger *KRC*

Subj: Base Salary Schedule Revision

\\nmwserver1\administration\AC\Board Reports\Board Memos\2021\Base Salary Schedule Revision\Board Approve Salary Ranges Effective 100121.docx

RECOMMENDED ACTION: Approve**FINANCIAL IMPACT: 3.7% Base Salary Increase Effective October 1, 2021
FY21/22 Labor/Benefit Cost Increase - \$183,000**

In accordance with the Memorandum of Understanding with the North Marin Water District Employee Association (MOU), effective each October 1 and through 2022, as approved by the Board on January 15, 2019, employees will receive a cost of living adjustment equal to the percentage change in the CPI-U. The San Francisco Bay Area All Urban Consumers Price Index (CPI-U) increased 3.7%¹ over the twelve months ending August 31, 2021. The CPI increase is within the approved range per the MOU and will be effective October 1, 2021.

Title 2 of the California Code of Regulations, section 570.5, requires that the pay schedule of every CalPERS agency be approved and adopted by the agency's governing body pursuant to public meeting law. The District's Salary Schedule (Attachment 1), revised per the MOU, is included for the Board's review and approval. Also included with the memo is Attachment 2 which is a 10-year history of the CPI-U.

Salaries for Unrepresented Employees, which include the Auditor-Controller, Assistant General Manager/Chief Engineer, Human Resources/Safety Manager and District Secretary, but excluding the General Manager, are also proposed to be increased consistent with the terms of the Employee Association MOU by the same 3.7% rate to base wages. This is consistent with the action of the Board on March 5, 2019, when the Salary and Terms and Conditions of Employment for Unrepresented Employees was approved. These proposed increases are incorporated in the attached base salary schedule.

The total labor cost increase includes the cost of benefits, some of which are a percentage of salary (e.g., CalPERS, Social Security, workers' compensation, etc.). The October 1 salary increase will result in a FY 21/22 labor cost increase of \$183,000, which is an increase of 1.9%

¹ Specifically, Section 22 of the 2018-2023 MOU provides for a cost of living adjustment (COLA) equal to the percentage change in the CPI as measured by the CPI-U San Francisco Bay Area (September 1 of the previous year through August 31 of the current year), with a minimum (Floor) of 2.0% and a maximum (Ceiling) of 4.0%. The SF Bay Area All Urban Consumers Index at 08/30/21 = 311.167; at 08/31/20 = 300.182; $311.167/300.182 = 3.7\%$. A link to the US Bureau of Labor Statistics: https://www.bls.gov/regions/west/news-release/consumerpriceindex_sanfrancisco.htm

Approved by GM *[Signature]*Date 9/17/21

of Districtwide total salary and benefits costs, and it is within the assumptions provided in the FY 21/22 adopted budget. Once the attached wage schedule is approved by the Board, it will be posted on the District's website as a publicly available document, and it will also be available for public inspection at the District office during regular business hours.

RECOMMENDATION:

Approve the updated District Salary Schedule to be effective October 1, 2021.

NORTH MARIN WATER DISTRICT
Employee Salary Ranges and Job Classifications - Effective 10/01/2021

Adopted by the Board as of 10/01/21

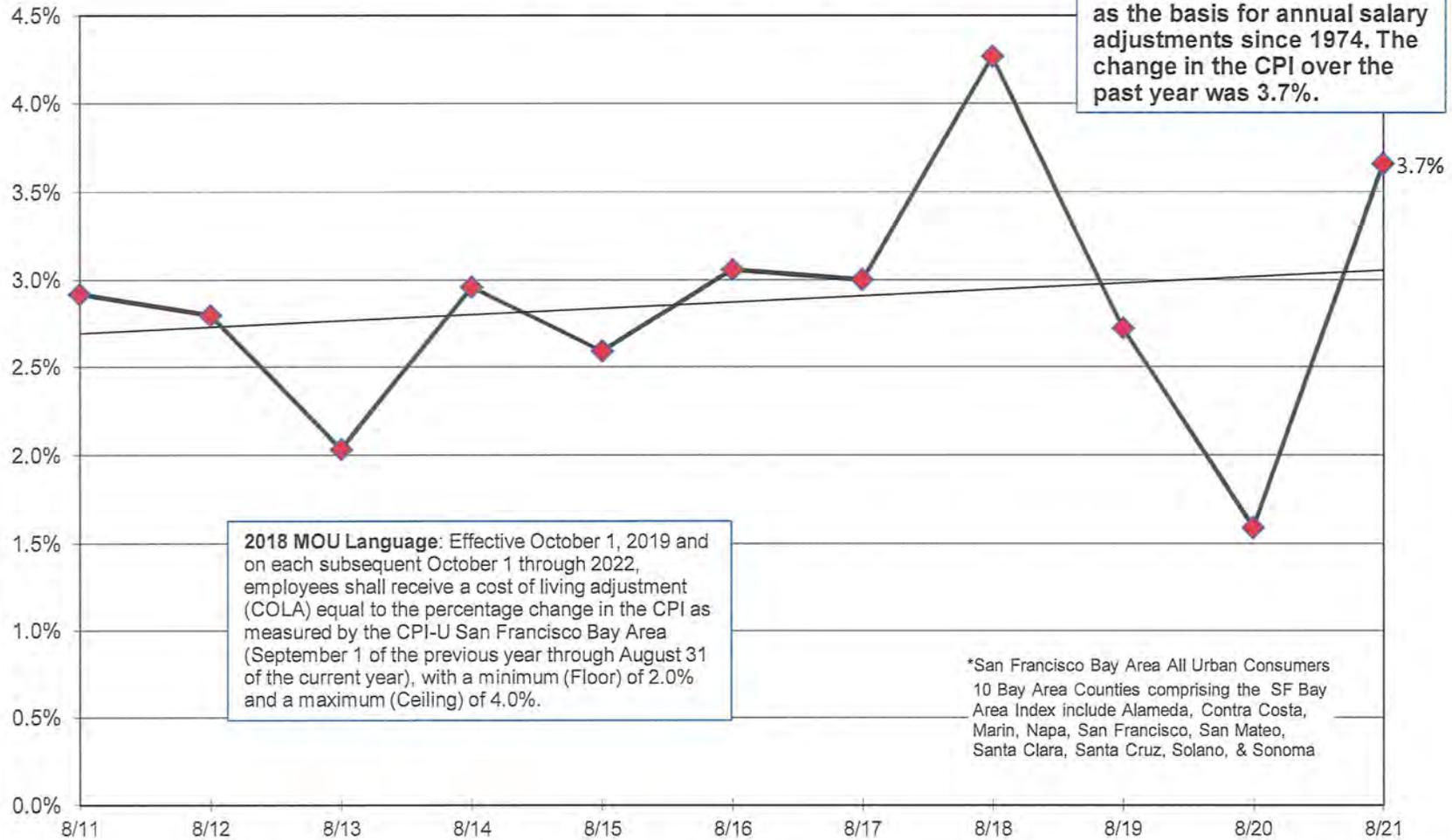
| JOB CLASSIFICATION | Beg Monthly | 6 Mo Monthly | 18 Mo Monthly | 24 Mo Monthly | Merit Monthly |
|---|----------------|-----------------|------------------|------------------|------------------|
| <u>ADMINISTRATION DEPARTMENT</u> | | | | | |
| Receptionist/Customer Service Assistant | 5,042 | 5,294 | 5,559 | 5,837 | 6,129 |
| Account/Credit Clerk II | 5,567 | 5,845 | 6,137 | 6,444 | 6,766 |
| Accounting Clerk II | 5,567 | 5,845 | 6,137 | 6,444 | 6,766 |
| Field Service Representative I | 5,609 | 5,889 | 6,183 | 6,492 | 6,817 |
| Field Service Representative II | 6,002 | 6,302 | 6,617 | 6,948 | 7,295 |
| Field Service Representative Lead | 6,612 | 6,943 | 7,290 | 7,655 | 8,038 |
| Storekeeper/Safety Coordinator | 6,206 | 6,516 | 6,842 | 7,184 | 7,543 |
| Consumer Services Supervisor | 7,869 | 8,262 | 8,675 | 9,109 | 9,564 |
| Senior Accountant | 8,215 | 8,626 | 9,057 | 9,510 | 9,986 |
| District Secretary | 8,558 | 8,986 | 9,435 | 9,907 | 10,402 |
| Human Resource/Safety Manager | 8,703 | 9,138 | 9,595 | 10,075 | 10,579 |
| Accounting Supervisor | 8,847 | 9,289 | 9,753 | 10,241 | 10,753 |
| Auditor-Controller | 13,606 | 14,286 | 15,000 | 15,750 | 16,538 |
| General Manager | 19,975 | 19,975 | 19,975 | 19,975 | 19,975 |
| <u>CONSTRUCTION / MAINTENANCE DEPARTMENT</u> | | | | | |
| Utility Worker I (Laborer) | 4,994 | 5,244 | 5,506 | 5,781 | 6,070 |
| Utility Worker II (Pipe Worker Assistant) | 5,358 | 5,626 | 5,907 | 6,202 | 6,512 |
| Utility Worker III (Pipe Worker) | 6,206 | 6,516 | 6,842 | 7,184 | 7,543 |
| Heavy Equipment Operator | 6,442 | 6,764 | 7,102 | 7,457 | 7,830 |
| Distribution Maintenance Foreman | 7,534 | 7,911 | 8,307 | 8,722 | 9,158 |
| Pipeline Foreman | 7,534 | 7,911 | 8,307 | 8,722 | 9,158 |
| Construction/Maintenance Superintendent | 10,407 | 10,927 | 11,473 | 12,047 | 12,649 |
| <u>ENGINEERING DEPARTMENT</u> | | | | | |
| Engineering Secretary | 5,796 | 6,086 | 6,390 | 6,710 | 7,046 |
| Engineering Services Rep | 6,342 | 6,659 | 6,992 | 7,342 | 7,709 |
| Engineering Technician IV | 7,549 | 7,926 | 8,322 | 8,738 | 9,175 |
| Assistant Civil Engineer | 8,616 | 9,047 | 9,499 | 9,974 | 10,473 |
| Water Conservation Coordinator | 9,819 | 10,310 | 10,826 | 11,367 | 11,935 |
| Associate Civil Engineer | 10,130 | 10,637 | 11,169 | 11,727 | 12,313 |
| Senior Engineer | 11,142 | 11,699 | 12,284 | 12,898 | 13,543 |
| Assistant General Manager/Chief Engineer | 14,357 | 15,075 | 15,829 | 16,620 | 17,451 |

| JOB CLASSIFICATION | Beg Monthly | 6 Mo Monthly | 18 Mo Monthly | 24 Mo Monthly | Merit Monthly |
|---|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| <u>OPERATIONS / MAINTENANCE DEPARTMENT</u> | | | | | |
| Building & Grounds Maint Assistant | 4,713 | 4,949 | 5,196 | 5,456 | 5,729 |
| Program Assistant I | 5,088 | 5,342 | 5,609 | 5,889 | 6,183 |
| Cross Connection Control Tech I | 5,458 | 5,731 | 6,018 | 6,319 | 6,635 |
| Assistant Water Distrib & TP Operator | 6,254 | 6,567 | 6,895 | 7,240 | 7,602 |
| Apprentice Electrical/Mechanical Tech | 5,954 | 6,252 | 6,565 | 6,893 | 7,238 |
| Program Assistant II | 6,185 | 6,494 | 6,819 | 7,160 | 7,518 |
| Auto/Equipment Mechanic | 6,206 | 6,516 | 6,842 | 7,184 | 7,543 |
| Chemist I | 6,782 | 7,121 | 7,477 | 7,851 | 8,244 |
| Cross Connection Control Tech II | 6,634 | 6,966 | 7,314 | 7,680 | 8,064 |
| Electrical/Mechanical Technician | 6,988 | 7,337 | 7,704 | 8,089 | 8,493 |
| Water Distrib & TP Operator | 7,787 | 8,176 | 8,585 | 9,014 | 9,465 |
| Senior Electrical/Mechanical Tech | 7,571 | 7,950 | 8,348 | 8,765 | 9,203 |
| Senior Water Distrib & TP Operator | 8,665 | 9,098 | 9,553 | 10,031 | 10,533 |
| Chemist II | 8,078 | 8,482 | 8,906 | 9,351 | 9,819 |
| Senior Chemist | 8,840 | 9,282 | 9,746 | 10,233 | 10,745 |
| Maintenance Supervisor | 8,788 | 9,227 | 9,688 | 10,172 | 10,681 |
| Distrib & Treatment Plant Supervisor | 10,483 | 11,007 | 11,557 | 12,135 | 12,742 |
| Water Quality Supervisor | 10,349 | 10,866 | 11,409 | 11,979 | 12,578 |
| Operations/Maintenance Superintendent | 11,638 | 12,220 | 12,831 | 13,473 | 14,147 |

9/14/2021

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Consumer Price Index* 10 Year History Year-Over-Year Rate of Change



8

MEMORANDUM

To: Board of Directors Date: September 17, 2021
 From: Tony Williams, Assistant GM/Chief Engineer 
 Subject: Approve West Yost, Inc. Consultant Services Agreement for Local Water Supply Enhancement Study

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RECOMMENDED ACTION:

1. Approve Budget Augmentation of \$75,000
2. Authorize General Manager to execute an agreement with West Yost for the Local Water Supply Enhancement Study

FINANCIAL IMPACT: \$150,000 currently budgeted in FY2021/22. Budget Augmentation of \$74,600 required

Background

One of the District's 2018 Strategic Plan goals is to increase long term water supply reliability. To this end, NMWD and the other retail water contractors who purchase wholesale water from Sonoma County Water Agency (SCWA) funded a forward-looking study of the resilience of the regional water system. The Resiliency Study (being conducted by Jacobs) seeks to identify the key factors impacting regional water supply resiliency and identify promising opportunities for SCWA and its retail contractors to improve regional resilience. The work on this Resiliency Study is projected to be complete in Summer of 2022. Due to the extreme drought currently present in the Russian River watershed, the Project Team (SCWA, Water Contractors and Jacobs) have been working to accelerate parts of the Resiliency Study to prioritize the resiliency assessment for the drought risk scenarios. As a result of this fast-track schedule, resiliency options for drought risk scenarios is being accelerated from March 2020 to October 2021.

As presented at the July 20, 2021 Board meeting, staff released a Request for Proposal (RFP) on July 28, 2021 for the NMWD Local Water Supply Enhancement Study (Enhancement Study) given the urgency of moving forward with a companion study to the Resiliency Study. The RFP was posted on the District's website as well as posted on an online electronic "bid board". In addition, staff reached out directly to several qualified firms to make them aware of the RFP posting. Proposals were due on August 24, 2021. The scope of services presented in the RFP included the evaluation of alternative water supply, including

- Reclaimed water system expansion including indirect potable water use options
- Capture, treatment and reuse of Stafford Treatment Plant solids thickening reject water.
- Capture and Conveyance of Stormwater into Stafford Lake from nearby watersheds.
- Increasing Stafford Lake water storage capacity.
- Aquifer storage recovery (ASR) in the "Novato Valley Basin" aquifer
- Desalination using brackish groundwater or bay water supplies.

A total of three (3) proposals were received on the required due date and were subsequently evaluated by a review panel consisting of three District employees (Drew McIntyre, Robert Clark and Tony Williams). The review was based on the following criteria and associated numeric scoring system: Firm Qualifications and Experience, Project Team Organization, Project Approach, Schedule, Labor Hours, Standard Rate Schedule, and Contract and Insurance Compliance (total of 100 points for all criteria). The results of the ranking by the review panel is provided below:

| Engineering Consultant | Office Submitting | Overall Rank |
|-------------------------------|--------------------------|---------------------|
| West Yost | Davis and Santa Rosa | 1 |
| Woodard & Curran | Walnut Creek | 2 |
| EKI Environment & Water | Daly City | 3 |

All three firms scored very closely, with West Yost and Woodard & Curran having very similar scores and just slightly higher than EKI. Subsequent evaluations by the panel resulted in a final high score to West Yost. Discussions with West Yost were conducted during the week of September 6 to establish a final scope of services required for the project and associated fee. The scope includes a contingency allowance of 15 percent for unanticipated but potentially important additional scope. The scope of services also includes an optional task to develop funding strategies for the water supply alternatives identified. Staff is recommending that the contingency allowance and the optional funding task be included in the agreement.

Consulting Agreement

Staff recommends that NMWD engage with West Yost to perform the Enhancement Study. Staff has thoroughly reviewed the attached agreement (Attachment 1), including West Yost's scope of services, schedule and fee and is seeking approval from the Board of Directors to proceed. West Yost is an experienced engineering firm with expertise in water infrastructure and supply and has considered the District's needs for this critical study. The required scope of services including a 15 percent contingency allowance and an optional task for developing a funding strategy results in a total fee of \$224,600 which is \$74,600 over the original \$150,000 CIP budget line item. Therefore, staff is requesting to augment the FY 2021/22 CIP budget by \$74,600. Sufficient cash reserves are available in the Novato Potable Water fund to cover the budget augmentation.

RECOMMENDATION

The Board approve a budget augmentation of \$74,600 for the current fiscal year, FY 2021/22, and authorize the General Manager to execute an agreement with West Yost for a not to exceed fee of \$224,600 to be charged on an approved hourly basis.

AGREEMENT FOR CONSULTING SERVICES

The following is an agreement between **North Marin Water District**, hereinafter “**NMWD**”, and West Yost, hereinafter, “**Consultant**”.

WHEREAS, Consultant is a duly qualified consulting firm, experienced in water resources planning and engineering, including water supply.

WHEREAS, in the judgment of the Board of Directors of the NMWD, it is necessary and desirable to employ the services of the Consultant for the Local Water Enhancement Study project.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties hereto agree as follows:

PART A -- SPECIFIC PROVISIONS:

1. DESCRIPTION OF SERVICES AND PAYMENT: Except as modified in this agreement, the services to be provided and the payment schedule are:

- a. The scope of work and fee amount covered by this agreement shall be that specified in the proposal dated, September 13, 2021 and included in Attachment A of this agreement.
- b. The fee for the work shall be on a time and expense (T & E) basis utilizing the fee schedule included in Attachment B of this agreement and shall not exceed \$224,600 without prior written authorization by NMWD.
- c. The project schedule for completion of Tasks 1 - 5 shall be in accordance with the milestones provided in Attachment C.

PART B -- GENERAL PROVISIONS

1. ASSIGNMENT/DELEGATION: Except as above, neither party hereto shall assign, sublet or transfer any interest in or duty under this agreement without written consent of the other, and no assignment shall be of any force or effect whatsoever unless and until the other party shall have so consented.

2. STATUS OF CONSULTANT: The parties intend that the Consultant, in performing the services hereinafter specified, shall act as an independent contractor and shall have the control of the work and the manner in which it is performed. The Consultant is not to be considered an agent or employee of NMWD, and is not entitled to participate in any pension plan, insurance, bonus or similar benefits NMWD provides its employees.

3. INDEMNIFICATION: NMWD is relying on the professional ability and training of the Consultant as a material inducement to enter into this agreement. The Consultant hereby warrants that all its work will be performed in accordance with generally accepted professional practices and standards, as well as the requirements of applicable federal, state and local laws, it being understood that neither acceptance of the Consultant's work by NMWD nor Consultant's failure to perform shall operate as a waiver or release.

- a. With respect to design professional services provided under this agreement, Consultant shall assume the defense of and defend NMWD, its directors, officers, agents, and

employees in any action at law or in equity to the extent that liability is claimed or alleged to arise out of, pertain to, or relate to, either directly or indirectly, the intentional or willful misconduct, recklessness, or negligent act, error, or omission of Consultant (or any person or organization for whom Consultant is legally liable) in the performance of the activities necessary to perform the services for District and complete the task provided for herein. In addition, Consultant shall indemnify, hold harmless, and release NMWD, its directors, officers, agents, and employees from and against any and all actions, claims, damages, disabilities or expenses, including attorney's fees and witness costs, that may be asserted by any person or entity including the Consultant, to the extent arising out of, pertaining to, or relating to, the negligent acts, errors or omissions, recklessness, or intentional or willful misconduct of the Consultant (or any consultant or subcontractor of Consultant) in connection with the activities necessary to perform the services and complete the task provided for herein, but excluding liabilities due to the sole negligence or willful misconduct of NMWD.

- b. With respect to all services other than design professional services provided under this agreement, Consultant shall indemnify, hold harmless, release and defend NMWD, its agents and employees from and against any and all actions, claims, damages, disabilities or expenses, including attorney's fees and witness costs that may be asserted by any person or entity, including the Consultant, arising out of or in connection with the activities necessary to perform those services and complete the tasks provided for herein, but excluding liabilities due to the sole negligence or willful misconduct of NMWD.

This indemnification is not limited in any way by any limitation on the amount or type of damages or compensation payable by or for the NMWD or its agents under workers' compensation acts, disability benefit acts or other employee benefit acts.

4. PROSECUTION OF WORK: The execution of this agreement shall constitute the Consultant's authority to proceed immediately with the performance of this contract. Performance of the services hereunder shall be completed by March 30, 2022, provided, however, that if the performance is delayed by earthquake, flood, high water or other Act of God or by strike, lockout or similar labor disturbance, the time for the Consultant's performance of this contract shall be extended by a number of days equal to the number of days the Consultant has been delayed.

5. METHOD AND PLACE OF GIVING NOTICE, SUBMITTING BILLS AND MAKING PAYMENTS: All notices, bills and payment shall be made in writing and may be given by personal delivery or by mail. Notices, bills and payments sent by mail should be addressed as follows:

North Marin Water District
P.O. Box 146
Novato, CA 94948
Attention: Tony Williams

Consultant:
West Yost Associates
2020 Research Park Dr., Suite 100
Davis, CA 95618
Attention: Elizabeth Drayer, PE

and when so addressed, shall be deemed given upon deposit in the United States Mail, postage prepaid. In all other instances, notices, bills and payments shall be deemed given at the time of actual delivery.

Changes may be made in the names and addresses of the person to whom notices, bills and payments are to be given by giving notice pursuant to this paragraph.

6. MERGER: This writing is intended both as the final expression of the agreement between the parties hereto with respect to the included terms of the agreement, pursuant to California Code of Civil Procedure Section 1856 and as a complete and exclusive statement of the terms of the agreement. No modification of this agreement shall be effective unless and until such modification is evidenced by a writing signed by both parties.

7. SEVERABILITY: Each provision of this agreement is intended to be severable. If any term of any provision shall be determined by a court of competent jurisdiction to be illegal or invalid for any reason whatsoever, such provision shall be severed from this agreement and shall not affect the validity of the remainder of the agreement.

8. TERMINATION: At any time and without cause the NMWD shall have the right in its sole discretion, to terminate this agreement by giving written notice to the Consultant. In the event of such termination, NMWD shall pay the Consultant for services rendered to such date.

9. TRANSFER OF RIGHTS/OWNERSHIP OF DATA: The Consultant assigns to NMWD all rights throughout the work in perpetuity in the nature of copyright, trademark, patent, and right to ideas, in and to all versions of any plans and specifications, reports and document now or later prepared by the Consultant in connection with this contract.

The Consultant agrees to take such actions as are necessary to protect the rights assigned to NMWD in this agreement, and to refrain from taking any action which would impair those rights. The Consultant's responsibilities under this contract will include, but not be limited to, placing proper notice of copyright on all versions of any plans and specifications, reports and documents as NMWD may direct, and refraining from disclosing any versions of the reports and documents to any third party without first obtaining written permission of NMWD. The Consultant will not use, or permit another to use, any plans and specifications, reports and document in connection with this or any other project without first obtaining written permission of NMWD.

All materials resulting from the efforts of NMWD and/or the Consultant in connection with this project, including documents, reports, calculations, maps, photographs, computer programs, computer printouts, digital data, notes and any other pertinent data are the exclusive property of NMWD. Re-use of these materials by the Consultant in any manner other than in conjunction with activities authorized by NMWD is prohibited without written permission of NMWD.

Consultant shall deliver requested materials to NMWD in electronic format including but not limited to engineering calculations, plans (AutoCad, current edition) and specifications (MS Word, current edition).

10. COST DISCLOSURE: In accordance with Government Code Section 7550, the Consultant agrees to state in a separate portion of any report provided NMWD, the numbers and amounts of all contracts and subcontractors relating to the preparation of the report.

11. NONDISCRIMINATION: The Consultant shall comply with all applicable federal, state and local laws, rules and regulations in regard to nondiscrimination in employment because of race, color, ancestry, national origin, religion, sex, marital status, age, medical condition or physical handicap.

12. EXTRA (CHANGED) WORK: Extra work may be required. The Consultant shall not proceed nor be entitled to reimbursement for extra work unless it has been authorized, in writing, in

advance, by NMWD. The Consultant shall inform the District as soon as it determines work beyond the scope of this agreement may be necessary and/or that the work under this agreement cannot be completed for the amount specified in this agreement. Said review shall occur before consultant incurs 75% of the total fee approved for any phase of the work. Failure to notify the District shall constitute waiver of the Consultant's right to reimbursement.

13. CONFLICT OF INTEREST: The Consultant covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of its services hereunder. The Consultant further covenants that in the performance of this contract no person having any such interest shall be employed.

14. INSURANCE REQUIREMENTS FOR CONSULTANTS

Consultant shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the consultant, his agents, representatives, employees or subcontractors.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Commercial General Liability coverage
2. Automobile Liability
3. Workers' Compensation insurance as required by the State of California.
4. Professional Liability insurance appropriate to the consultant's profession. Architects' and engineers' coverage is to be endorsed to include contractual liability.

Minimum Limits of Insurance

Consultant shall maintain limits no less than:

1. General Liability (including operations, products and completed operations.): **\$1,000,000** per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability: **\$1,000,000** per accident for bodily injury and property damage.
3. Workers' Compensation Insurance: as required by the State of California.
4. Professional Liability, **\$1,000,000** per occurrence.

Verification of Coverage

Consultant shall furnish the District with original certificates and amendatory endorsements effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the District before work commences. The District reserves the right to require at any time complete and certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications.

Subcontractors

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

Self-Insured Retentions

Any self-insured retentions must be declared to and approved by the District. At the option of the District, either: the insurer shall reduce or eliminate such self-insured retentions as respects the District, its officers, officials, employees and volunteers; or the Consultant shall provide a financial guarantee satisfactory to the District (such as a surety bond) guaranteeing payment of losses and related investigations, claim administration, and defense expenses.

Other Insurance Provisions

The commercial general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The District, its officers, officials, employees, and volunteers are to be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the Consultant.
2. For any claims related to this project, the Consultant's insurance coverage shall be primary insurance as respects the District, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the District, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.
3. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the District.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII.

15. DISPUTE RESOLUTION: Any dispute or claim in law or equity between District and Consultant arising out of this agreement, if not resolved by informal negotiation between the parties, shall be mediated by referring it to the nearest office of Judicial Arbitration and Mediation Services, Inc. (JAMS) for mediation. Mediation shall consist of an informal, non-binding conference or conferences between the parties and the judge-mediator jointly, then in separate caucuses wherein the judge will seek to guide the parties to a resolution of the case. If the parties cannot agree to mutually acceptable member from the JAMS panel of retired judges, a list and resumes of available mediators numbering one more than there are parties will be sent to the parties, each of whom will strike one name leaving the remaining as the mediator. If more than one name remains, JAMS arbitrations administrator will choose a mediator from the remaining names. The mediation process shall continue until the case is resolved or until such time as the mediator makes a finding that there is no possibility of resolution.

At the sole election of the District, any dispute or claim in law or equity between District and Consultant arising out of this agreement which is not settled through mediation shall be decided by neutral binding arbitration and not by court action, except as provided by California law for judicial review of arbitration proceedings. The arbitration shall be conducted in accordance with the rules of Judicial Arbitration Mediation Services, Inc. (JAMS). The parties to an arbitration may agree in writing to use different rules and/or arbitrators.

16. BILLING AND DOCUMENTATION: The Consultant shall invoice NMWD for work performed on a monthly basis and shall include a summary of work for which payment is requested.

The invoice shall state the authorized contract limit, the amount of invoice and total amount billed to date. The summary shall include time and hourly rate of each individual, a narrative description of work accomplished, and an estimate of work completed to date.

17. REASONABLE ASSURANCES: Each party to this agreement undertakes the obligation that the other’s expectation of receiving due performance will not be impaired. When reasonable grounds for insecurity arise, with respect to performance of either party, the other may, in writing, demand adequate assurance of due performance and until the requesting party receives such assurance may, if commercially reasonable, suspend any performance for which the agreed return has not been received. “Commercially reasonable” includes not only the conduct of the party with respect to performance under this agreement but also conduct with respect to other agreements with parties to this agreement or others. After receipt of a justified demand, failure to provide within a reasonable time, not to exceed 30 days, such assurance of due performance as is adequate under the circumstances of the particular case is a repudiation of this agreement. Acceptance of any improper delivery, service, or payment does not prejudice the aggrieved party’s right to demand adequate assurance of future performance.

18. PREVAILING WAGE REQUIREMENTS: Prevailing Wage Rates apply to all Consultant personnel performing work under the Agreement for which wage determinations have been made by the Director of Industrial Relations pursuant to California Labor Code Sections 1770–1782,. Consultant shall comply with all applicable prevailing wage labor code requirements.

**NORTH MARIN WATER DISTRICT
“NMWD”**

Dated: _____

Drew McIntyre, General Manager

**WEST YOST ASSOCIATES
“CONSULTANT”**

Dated: _____

Elizabeth Drayer, P.E.



INTRODUCTION

West Yost will prepare Local Water Supply Enhancement Study (Study) for North Marin Water District (District) as presented in the following Scope of Services. The goal of the Study is to provide the District with water supply options and associated considerations to help the District make informed, prudent decisions towards expanding its local water supply. The Study will also provide the District with guidance on next steps towards implementation of the feasible water supply alternatives.

West Yost will prepare a study that will:

- Describe the alternative water supply options
- Discuss their evaluation based on selected criteria
- Rank the feasible options, and
- Provide recommended alternatives and implementation plans for the recommended projects.

For QA/QC, West Yost’s policy is that all work products are reviewed at the principal-level prior to submittal. The internal reviewer will check documents, confirm calculations, provide peer review of conclusions and recommendations.

When practical, meetings will be conducted remotely via Microsoft Teams or similar software to observe COVID-19 precautions. In-person meetings will be held as necessary and follow the current COVID-19 protocols.

SCOPE OF SERVICES

The Scope of Work is organized into the following six tasks:

- Task 1. Conduct Introductory Research
- Task 2. Develop Alternatives
- Task 3. Evaluate Alternatives
- Task 4. Prepare Study and Recommendations
- Task 5. Project Management
- Task 6. Contingency Allowance

Task 1. Conduct Introductory Research

The West Yost project team will meet with District staff to kick off the project, discuss background information on the District’s water supply, discuss criteria for evaluation, and participate in a tour of the District’s water supply, treatment, conveyance and distribution, and recycling facilities. The purpose of the meeting and the tour is to start off the project, introduce key team members from the District and West Yost, and obtain background information regarding the District’s water supply.

Attachment A – Scope of Services Local Water Supply Enhancement Study



The West Yost team members will review relevant technical and planning documents including, but not limited to, the following:

1. Sonoma County Water Agency (Sonoma Water) progress reports on Jacob’s ongoing Regional Water Supply Resiliency Study
2. NMWD’s 2020 Urban Water Management Plan
3. Sonoma Water’s 2020 Urban Water Management Plan
4. Stafford Treatment Plant Efficiency Study - June 2019
5. NMWD’s Title 22 Tertiary Recycled Water Treatment Facilities Engineering Report - August 2011
6. Stafford Dam Flood Control and Spillway Project Design Report - April 1985
7. Stafford Lake Sediment Survey - 2011
8. Old Novato Wells Abandonment Study - June 2010
9. The Novato Creek Hydraulic Study Analysis of Alternatives, KHE - June 2016

West Yost may request additional background documents and data.

Task 1 Assumptions

- Project team meetings will be conducted remotely via Microsoft Teams or similar software.
- The District will upload studies electronically on a share site.
- The District will provide all studies and reports in hard copy format.

Task 1 Deliverables

- West Yost will provide agendas before meetings.
- West Yost will provide meeting notes, decisions, and action items discussed during meetings.

Task 2. Develop Alternatives

West Yost’s technical experts will review background information and further develop the alternatives and evaluate their feasibility. For the preparation of the scope and budget, the alternatives identified by the District in its Request For Proposals for this project are provided below as subtasks. The scope for this task may be expanded to include other water supply options, contingent upon District authorization.

West Yost will prepare a description for each alternative water supply option, identify required infrastructure, prepare a planning-level cost estimate, and evaluate benefits and challenges. West Yost will hold a workshop with District staff to review the developed water supply options and obtain staff input. For efficiency, evaluation criteria and methodology will be developed with the District staff in the same workshop.

In addition to the development of potential alternatives below, coordination with the Sonoma Water’s in-progress regional water supply study is planned. West Yost will attend one Sonoma Water progress meeting in support of District staff and review drafts of the regional study for potential coordination with the District’s study. West Yost will also attend one meeting with Marin Municipal Water District (MMWD) to support District staff to discuss potential water supply options. As allowed by progress in Sonoma Water’s regional water supply study and discussions with MMWD, potential collaboration between the

Attachment A – Scope of Services Local Water Supply Enhancement Study



District, Sonoma Water, and MMWD will be identified. The District may authorize follow on effort under Task 6 below.

Task 2.1 Recycled Water System Expansion

West Yost will evaluate the challenges, benefits, and costs of developing a groundwater IPR program and describe the permitting and regulatory process and timeline for developing such a project. In addition, other potable reuse options such as reservoir augmentation and direct potable reuse will be described and discussed conceptually for comparison purposes. As part of this task, West Yost will also discuss and document possibilities for expanding the use of tertiary recycled water use within the District's service area, such as for use as toilet flushing for dual plumbed buildings, cooling water in HVAC systems in large commercial buildings, agricultural uses, and other non-potable uses that may not have been previously considered or known at the time of prior studies.

Within this task, our team will:

- Review and confirm available wastewater and recycled water supplies that could be treated to produce recycled water for IPR and other uses.
- Review existing recycled water agreements between the District, Novato SD, and LGVSD, discharge permits, Urban Water Management Plans, and other relevant documents. Consideration will be given to obtaining wastewater from other nearby agencies.
- Discuss the possibility of expansion of recycled water use in the District's service area.
- Identify treatment, regulatory, and permitting requirements, including water quality requirements.
- Work with District staff to identify regional opportunities that could potentially be developed with other agencies to share costs and resources in developing an IPR project.
- Identify existing unused or abandoned pipelines (water, fuel oil, or other utility) that could be repurposed and used to convey advanced treated water from the point of treatment to groundwater injection points. Identification and reuse of this existing infrastructure could reduce the costs of an IPR project.

Task 2.2 Capture Stafford Treatment Plant Reject Water

West Yost will develop some of the reject water recovery strategies identified in its recent work with the District. This task will include the following:

- Meeting with District staff to discuss operations and testing results since the STP Efficiency Study was completed.
- Identify improvements needed to increase spent filter backwash water recovery and estimate the additional water yield from these improvements.
- Identify improvements to increase recoverable filtrate from the sludge dewatering system and estimate the additional water yield from these improvements.
- Prepare a summary of benefits and challenges for each option.
- Prepare a summary of benefits and challenges associated with each proposed improvement to the District's STP.
- Develop an estimate of costs.

Attachment A – Scope of Services

Local Water Supply Enhancement Study



- Using the Stafford Lake historical data, the projected climate changes, and the results from the evaluation of Bowman Canyon Flow Capture task, quantify the future potential for filling Stafford Lake with and without the sediment removal to determine if the cost of sediment removal justifies the increased storage volume and resulting increased water supply.
- Develop an estimate of costs.
- Identify applicable regulatory and permitting requirements.

Task 2.5 Aquifer Storage Recovery in Novato Valley Basin (Groundwater Basin #2-30)

West Yost will develop and evaluate the potential ASR water supply option, using Sonoma Water potable water, recycled water, or stormwater as sources. The following activities will be conducted for this subtask.

1. Develop estimates of ASR recovery rates needed to meet seasonal and long-term (multi-year drought) needs.
2. Using existing, publicly available hydrogeologic and aquifer hydraulic parameter data, identify and assess the storage properties of potential ASR zones in the Novato Valley Subbasin.
3. Using existing, publicly available groundwater level data and aquifer hydraulic parameter data, assess groundwater flow gradients and velocities.
4. Using existing geochemical information, assess the potential for adverse geochemical reactions that could lead to ASR well plugging or violations of Division of Drinking Water (DDW) drinking water requirements in the recovered water.
5. Using performance data from existing wells, estimate the number of wells needed to achieve recovery rates supporting the ASR objectives decided upon above.
6. Develop a preliminary estimate of the target storage volume supporting the ASR objectives decided upon above.
7. Assess the potential impact of other groundwater pumping in the Novato Valley Subbasin on ASR using existing, publicly available hydrogeologic and groundwater water level data.
8. Develop an estimate of costs.
9. Identify applicable regulatory and permitting requirements.

The evaluation will consider the use of ASR to provide water supply with quality similar to the Sonoma Water treated surface water when Sonoma Water supplies are limited or not available.

Task 2.6 Desalination

West Yost will review recent, relevant desalination studies for the North Bay and provide a summary of the intake, treatment and facilities needed to produce a reasonable flow/volume of potable water agreed upon with District staff. The following will also be evaluated at a conceptual level as part of this task, based on West Yost's experience with similar projects in California and readily available published information:

- Feasibility of using brackish groundwater as a source supply
- Potential brine disposal locations
- Relative benefits and drawbacks of desalination as a water supply
- Planning-level costs for the intake, treatment, and brine disposal facilities

Attachment A – Scope of Services Local Water Supply Enhancement Study



- Further studies/analysis to be completed should desalination rank highly as a water supply alternative

Task 2 Assumptions

- The workshop will be conducted remotely via Microsoft Teams, or similar software.
- Key District personnel will review draft list of Alternative Water Supplies and provide comments within 10 working days after submittal.
- Key District personnel will participate in a workshop to review Alternative Water Supply Options and provide input.
- The District will provide additional background documents and data, as available.

Task 2 Deliverables

- West Yost will submit a list of requested additional background documents needed to conduct water supply options evaluation.
- West Yost will prepare a description for each alternative water supply option.
- West Yost will conduct a workshop with District Staff.
- West Yost will provide an agenda before the workshop and provide materials for discussion Alternative Water Supply sources.
- West Yost will provide meeting notes, decisions, and action items discussed during the workshop.

Task 3. Evaluate Alternatives

The evaluation criteria and methodology will be developed in conjunction with the District staff as part of the workshop in Task 2. As part of the workshop, West Yost will work with the District to develop the evaluation criteria and methodology. Under this task, West Yost will summarize the evaluation criteria and methodology developed. The summary will ultimately be included in the Study.

West Yost will preliminarily evaluate each alternative water supply option developed in Task 2 using criteria and methodology developed with the District. Criteria for evaluation will include:

1. Cost
2. Hazards and risks
3. Water chemistry
4. Revenue or rate impacts
5. Water quality and treatment
6. Permitting and regulations (including water rights, environmental challenges, and California Environmental Quality Act Compliance requirements)
7. Public acceptance

West Yost will work with the District in developing other qualitative criteria for evaluation.

West Yost will prepare a draft table matrix to provide a visual tool for discussing, evaluating, and prioritizing alternatives. The matrix will provide the score of each criterion and the overall score of each alternative water supply. Using the overall score, the alternative water supply sources will be ranked.

Attachment A – Scope of Services

Local Water Supply Enhancement Study



West Yost will meet with District staff to review preliminary scoring and ranking and obtain staff input. West Yost will address and incorporate staff input into the matrix. The matrix will be included in the Study and used for alternative water supply recommendations.

As part of this task, West Yost will work with District staff to hold a board workshop to engage the District Board members and the general public in reviewing the potential water supply alternatives and in understanding the criteria used for their evaluation. The purpose of the Board workshop is to obtain input from the Board members and the general public so that their concerns are addressed prior to completion of the Study. West Yost will note Board members' and the general public's concerns, address them, and incorporate them into the Study.

Task 3 Assumptions

- Meetings and workshop will be conducted remotely via Microsoft Teams, or similar software.
- West Yost will attend the Board workshop remotely to support District staff.
- Key District personnel will participate and provide input in a workshop to review evaluation criteria, scoring and ranking,
- District staff will present Alternative Water Supply options and criteria to the Board.

Task 3 Deliverables

- West Yost will provide agendas before meetings.
- West Yost will provide meeting notes, decisions, and action items discussed during meetings.
- West Yost will provide a list of criteria and their description, and ranking parameters for District review.
- West Yost will provide a draft table that summarizes the scores and ranking of each Alternative Water Supply option for District staff review and input
- West Yost will address and incorporate District staff input and finalize scores and rankings of the Alternative Water Supply options
- West Yost will prepare presentation slides for the Board workshop.

Task 4. Prepare Study and Recommendations

West Yost will prepare the Study in report format. The Study will incorporate the alternative water supply options developed under Task 2, and the criteria and methodology used to evaluate each option, and the ranking of each option prepared under Task 3. The Study will recommend alternatives to enhance the District's local water supply, and next steps towards implementation of recommended projects.

A draft of the Study, at 75 percent, 90 percent, and 100 percent will be submitted to the District staff for review and input. District staff review comments will be addressed and incorporated into the final Study. The submittals will include the following:

- 75 percent draft
 - Description of potential alternative water supply options
 - Supply yield
 - Infrastructure needs
 - Estimated project costs

Attachment A – Scope of Services

Local Water Supply Enhancement Study



- Benefits and challenges
- 90 percent draft
 - Evaluation criteria and methodology used for ranking
 - Preliminary scores and ranking of the feasibility of potential alternative water supply options
- 100 percent (final) draft
 - Final ranking of the feasibility of water supply alternatives
 - Recommended water supply options
 - Steps towards implementation
 - (Optional) funding alternatives discussion
- Final Study
 - Incorporates District’s comments on the Final Draft

A meeting will be held to review comments after each draft submittal.

West Yost will support District staff’s presentation of the finalized Study to the District Board. West Yost will prepare presentation slides and attend the Board meeting.

4.1 Develop Funding Strategy and Options (Optional Task)

Each of the recommended alternative water supply option present additional cost for the District and its ratepayers. At the District’s option and authorization, this task may be authorized when feasible, recommended projects are identified.

Upon written authorization from the District, West Yost will provide funding strategies and options for feasible, recommended water supply alternatives. West Yost will research and identify funding opportunities.

Each alternative may be eligible for one or more external funding opportunities. A discussion will be included on potential funding options for each alternative and the probability and estimated time required to obtain a particular funding source. West Yost will identify potential partners and State and Federal funding opportunities for which recommended projects may qualify.

Task 4 Assumptions

- Meetings and workshop will be conducted remotely via Microsoft Teams, or similar software.
- West Yost will attend the Board workshop remotely to support District staff.
- Key District personnel will review the draft Study and provide comments within 10 working days after submittal,
- District staff will present the results of the Study to the Board.

Task 4 Deliverables

- West Yost will provide agendas before the meeting.
- West Yost will provide meeting notes, decisions, and action items discussed during the meeting.
- West Yost will prepare a draft Study at 75 percent, 90 percent and 100 percent. Comments received on the 100 percent draft will be incorporated into the final report.
- West Yost will prepare presentation slides for the District Board meeting.

Attachment A – Scope of Services Local Water Supply Enhancement Study



Optional Task Deliverables:

- Task 4.1. West Yost will include a discussion on funding options, strategy, and availability for each water supply option in the finalized study.

Task 5. Project Management

Project management includes those general management activities that are not specific to any one task, including overall project management; coordination of activities and communication with District staff; quality control and quality assurance activities; and invoicing. The anticipated Project duration is anticipated to be approximately six months.

A monthly Project Status Conference Call (up to six (6) conference calls are assumed) is planned. Monthly conference calls will be initially scheduled between the West Yost project manager and NMWD's project manager, plus others by specific request. If additional meetings or unanticipated project management activities are required, these can be provided with a corresponding budget and schedule augmentation.

Task 5 Deliverables

- West Yost will prepare agendas for monthly conference calls.
- West Yost will provide invoices with summary of activities completed during the previous month.

Task 6. Contingency Allowance

The exploratory nature of the study, along with parallel study by others in the region, may require unanticipated additional services during the course of the project.

- The Study may require additional technical expert evaluation and input as alternative water supply options are vetted.
- Additional potential water supply options not listed in Task 2 may need to be developed and evaluated.
- The District may request peer review of alternatives.
- Additional coordination efforts may be required between the Sonoma Water's in-progress regional water supply and the District's study.
- Other efforts, as determined necessary by the District for preparation of the Study.

A contingency allowance of 15 percent of the total project budget (excluding the optional Task 4.1 cost) is included for West Yost to provide for unanticipated additional services. Additional services not included in Tasks 1 to 5 will be performed only after receiving written authorization from the District for the use of this allowance.

PROJECT BUDGET

Based on West Yost's project understanding and the above scope of services, the level of effort anticipated for the Study is summarized in Table 1 below. West Yost will perform the Scope of Services described above on a time-and-expenses basis, at the billing rates set forth in West Yost's 2021 Billing Rate Schedule (see Attachment B).

Attachment A – Scope of Services

Local Water Supply Enhancement Study



Work for Tasks 1 to 5 (excluding the optional task in Task 4) shall not exceed the budget of \$187,800. Optional Task 4.1, with a budget of \$8,600, will be conducted with written authorization from the District. The Task 6 contingency allowance of \$28,200 will be utilized for additional services only with written authorization from the District.

Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Summary Level of Effort and Budget

| Task | Level of Effort, hours | Estimated Budget, dollars |
|--|------------------------|---------------------------|
| Task 1. Conduct Introductory Research | 110 | 28,400 |
| Task 2. Develop Alternatives | 327 | 75,900 |
| Task 3. Evaluate Alternatives | 92 | 23,400 |
| Task 4. Prepare Study and Recommendations | 234 | 52,200 |
| Task 4.1. Optional Task – Funding Strategy and Options | 40 | 8,600 |
| Task 5. Project Management | 28 | 7,900 |
| <i>Subtotal (Base Tasks, excluding optional task)</i> | <i>791</i> | <i>216,000</i> |
| <i>Subtotal (Base Tasks, including optional task)</i> | <i>831</i> | <i>224,600</i> |
| Task 6. Contingency Allowance (15 percent) | | 28,200 |
| Total (excluding optional task) | | \$216,000 |
| Total (including optional task) | | \$224,600 |

SCHEDULE

The anticipated project schedule is provided in Attachment C. The Study is projected to have a duration of six months and be finalized in March 2022.



2021 Billing Rate Schedule

(Effective January 1, 2021 through December 31, 2021)*

| POSITIONS | LABOR CHARGES (DOLLARS PER HOUR) |
|---|-------------------------------------|
| ENGINEERING | |
| Principal/Vice President | \$307 |
| Engineer/Scientist/Geologist Manager I / II | \$291 / \$304 |
| Principal Engineer/Scientist/Geologist I / II | \$263 / \$279 |
| Senior Engineer/Scientist/Geologist I / II | \$236 / \$247 |
| Associate Engineer/Scientist/Geologist I / II | \$202 / \$216 |
| Engineer/Scientist/Geologist I / II | \$162 / \$188 |
| Engineering Aide | \$95 |
| Field Monitoring Services | \$87 |
| Administrative I / II / III / IV | \$83 / \$105 / \$126 / \$139 |
| ENGINEERING TECHNOLOGY | |
| Engineering Tech Manager I / II | \$302 / \$304 |
| Principal Tech Specialist I / II | \$277 / \$287 |
| Senior Tech Specialist I / II | \$254 / \$266 |
| Senior GIS Analyst | \$230 |
| GIS Analyst | \$217 |
| Technical Specialist I / II / III / IV | \$162 / \$185 / \$208 / \$232 |
| Technical Analyst I / II | \$116 / \$139 |
| Technical Analyst Intern | \$94 |
| Cross-Connection Control Specialist I / II / III / IV | \$121 / \$131 / \$147 / \$164 |
| CAD Manager | \$183 |
| CAD Designer I / II | \$142 / \$160 |
| CONSTRUCTION MANAGEMENT | |
| Senior Construction Manager | \$294 |
| Construction Manager I / II / III / IV | \$179 / \$192 / \$204 / \$258 |
| Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1) | \$157 / \$174 / \$194 / \$202 |
| Apprentice Inspector | \$142 |
| CM Administrative I / II | \$76 / \$102 |
| Field Services | \$202 |

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.

2021 Billing Rate Schedule

(Effective January 1, 2021 through December 31, 2021)*



Equipment Charges

| EQUIPMENT | BILLING RATES |
|--|---------------|
| Gas Detector | \$80 / day |
| Hydrant Pressure Gauge | \$10 / day |
| Hydrant Pressure Recorder, Standard | \$40 / day |
| Hydrant Pressure Recorder, Impulse (Transient) | \$55 / day |
| Trimble GPS – Geo 7x | \$220 / day |
| Vehicle | \$10 / day |
| Water Flow Probe Meter | \$20 / day |
| Water Quality Multimeter | \$185 / day |
| Well Sounder | \$30 / day |

* This schedule is updated annually

Attachment C. Preliminary Schedule for North Marin Water District Local Water Supply Enhancement Study

| Tasks | Sep-21 | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Task 1. Conduct Background Research | | | | | | | | |
| Kickoff Meeting/Water Supply Background and Tour | ● | | | | | | | |
| Review Previous Studies and Data | | | | | | | | |
| Task 2. Develop Alternatives | | | | | | | | |
| Request and Obtain Additional Data (As necessary) | | | | | | | | |
| Develop Potential Alternative Water Supplies | | | | | | | | |
| Prepare Alternative Water Supplies Workshop Materials | | | | | | | | |
| Deliverable: Workshop Preparation Materials | | | ◆ | | | | | |
| Workshop to discuss alternatives and obtain District Input, discuss comments | | | ● | | | | | |
| Task 3. Evaluate Alternatives | | | | | | | | |
| Develop criteria definitions, scoring, and weighting | | | | | | | | |
| Evaluate and Score Alternative Water Supplies | | | | | | | | |
| Deliverable: Draft Alternative Water Supplies Scores and Rank Matrix | | | | | ◆ | | | |
| District Review Period | | | | | | | | |
| Workshop to discuss ranking and obtain District Input | | | | | | | | |
| Finalize Water Supply Alternatives Scores and Rank Matrix | | | | | | | | |
| Deliverable: Final Alternative Water Supplies List and Descriptions to District | | | | | | | | |
| Board Workshop | | | | | | | | |
| Prepare slides | | | | | | | | |
| Board Workshop preparation meeting with District Staff | | | | | | | | |
| Deliverable: PowerPoint Presentations | | | | | | | | |
| Task 4. Prepare Study and Recommendations | | | | | | | | |
| Prepare Draft Local Water Supply Enhancement Study | | | | | | | | |
| Deliverable: 75% Draft Submittal | | | | | | | | |
| District Review Period | | | | | | | | |
| Deliverable: 90% Draft Submittal | | | | | | | | |
| District Review Period | | | | | | | | |
| <i>OPTIONAL - Prepare funding strategies and options for recommended alternatives</i> | | | | | | | | |
| Finalize Study | | | | | | | | |
| Deliverable: 100% Draft Submittal | | | | | | | | |
| District Review Period | | | | | | | | |
| Deliverable: Final NMWD Local Water Supply Enhancement Study | | | | | | | | |
| Board Meeting | | | | | | | | |
| Prepare PowerPoint Presentation for District Board Meeting | | | | | | | | |
| Board Meeting preparation meeting with District Staff | | | | | | | | |
| Deliverable: PowerPoint Presentation for Board Meeting | | | | | | | | |
| Task 5. Project Management | | | | | | | | |
| Project Management | | | | | | | | |
| Monthly Progress Meetings (6 scheduled) | | | | | | | | |

West Yost Task | NMWD Task | Board Meeting ● | Project Meeting/Workshop ● | Deliverable ◆

9

MEMORANDUM

To: Board of Directors

September 17, 2021

From: Drew McIntyre, General Manager



Subject: Letter Re Complaint about Backflow Protection Compliance Per District Regulation 6
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RECOMMENDED ACTION: Approve Response Letter to Customer

FINANCIAL IMPACT: None

A letter to the Board of Directors dated September 2, 2021 (attached) was received from a customer complaining about compliance with District Regulation 6 – “Cross Connection and Backflow Protection” as it relates to installing grey water / raw water tank systems with pumps. Attached for your approval is a response letter explaining the District's need to comply with Regulation 6 requirements.



DRAFT

September xx, 2021

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

PHONE
415-897-4133

EMAIL
info@nmwd.com

WEB
www.nmwd.com

Bob Brown
17 Rebelo Lane
Novato, CA 94949

Dear Mr. Brown:

The Board of Directors reviewed your September 2, 2021 letter at their September 21, 2021 meeting and authorized this response. Please know that North Marin Water District appreciates your commitment to water conservation and your investments which allow you to use alternative sources of water for your irrigation needs. However, your interest in having NMWD make local amendments to state plumbing code regulations would not address the District's requirements to fully comply with state regulations as they relate to cross-connection and backflow protection requirements.

As a condition of our permit from the state of California to distribute water, we are required to follow several regulations with the aim of protecting public health. For example, these regulations require levels of treatment, disinfection, and monitoring to eliminate contaminants. One of these regulations seeks to prevent contaminants entering potable distribution systems through backflow from a customer's connection to that system.

Backflow contamination is a serious problem. The US Environmental Protection Agency (EPA), in its 2001 issue paper, *Potential Contamination Due to Cross-Connections and Backflow and the Associated Health Risks*, documented 9,734 cases of illnesses in 57 waterborne disease outbreaks between 1981 and 1998 in the United States. Since that time, many states, including California, have adopted regulations requiring public water systems to prevent contamination from backflow and cross connections. In California, the requirements of each water system's program are detailed in the Title 17 code of regulations.

Among the conditions requiring evaluation are "Premises where substances harmful to health are handled under pressure in a manner which could permit their entry into the public water system. This includes...water from public water supplies which have deteriorated in sanitary quality" and "Premises having an auxiliary water supply,

supplier and is approved by the health agency” (CCR 17.7585).

When a premise is identified as meeting a condition requiring protection, the minimum level (type of device employed) of protection required by the public water system is also listed in the regulation. For “premises where there is an unapproved auxiliary water supply and there are no interconnections with the public water system” the type of backflow required is a reduced pressure principle backflow prevention device (RP) (CCR 17.7604 Table 1). Additionally, Title 17 also requires that water systems “assure that adequate maintenance and periodic testing are provided by the water user to ensure proper operation” (CCR 17.7605).

To address the regulations summarized above, NMWD has written and adopted Regulation 6 which outlines its practices regarding backflow protection and Regulation 54, section g, which lists rates which cover the testing and maintenance of backflow prevention devices.

While NMWD encourages customers to use all reasonable means to reduce water use and promote conservation, our responsibility to provide water of the highest quality possible and to protect public health is the highest priority.

Please feel free to call our Water Quality Supervisor, Pablo Ramudo directly at 415-761-8929 if you have any further questions regarding District Regulation No. 6.

Sincerely,

Drew McIntyre
General Manager

CC: Pablo Ramudo, Water Quality Supervisor

DM: tk

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Robert and Nannette Brown
17 Rebelo Lane
Novato, CA 94949

September 2, 2021

To: North Marin Water District Board of Directors

Re: Regulatory Disincentives for Home Water Conservation Systems

Dear Board Members:

First, thank you for the incredible time and effort you're having to devote to critical water issues in these unprecedented times. I appreciate the hard decisions you'll be making on our behalf.

Since we need to make sure we take advantage of all options for expanding supply and encouraging/mandating conservation, I wanted to make you aware of a significant disincentive I experienced in building our home with water conservation in mind. We designed both a major grey-water system and rainwater collection into our home design. We have a 2,500-gallon rainwater tank that supplies our extensive vegetable garden and typically runs out in late August. We have seven plumbing fixtures connected to a grey water system that supply all needed irrigation to 14 fruit trees.

We were required to install a backflow prevention device, which was an additional \$2,000 cost and adds another \$25 to each water bill for annual inspection. The backflow device was required since these facilities constitute a private water system and both systems include a pump. The greywater tank has a pump which evacuates the tank every day or on demand and pumps the water to underground emitters to the fruit trees. There is no connection to the potable water system.

The rainwater tank also has a pump which pumps the water to emitters in our garden beds. This tank was designed with a potable water refill (with an air-gap connection) to refill the tank when it runs dry in late summer. However, we could easily have not included the potable water refill to keep the systems entirely separate, and then had a separate set of emitters in the garden beds connected to the irrigation landscape system to turn on when the rainwater tank ran dry.

It seems overly restrictive to mandate an expensive backflow connection device (adding to the cost of an already expensive and not very cost-effective portion of green home infrastructure) based on antiquated definitions of a private water system including pumps, even if the private water system has absolutely no connections to the potable water system, posing no water safety concerns.

The State plumbing codes allow for local amendments. I strongly encourage the Board to pursue this issue with staff and determine if a local amendment is warranted. It would demonstrate NMWD's strong commitment to incentivizing supplemental water options in a time of dire need.

Sincerely,



Bob Brown

cc: Drew McIntyre

10

*DRAFT Minutes of Special Water Advisory Committee and Technical Advisory Committee
Virtual Meeting – No Physical Location
September 13, 2021

Attendees: Susan Harvey, City of Cotati
Mike Healy, City of Petaluma
Walter Linares, City of Rohnert Park
Tom Schwedhelm, City of Santa Rosa
Jack Ding, City of Sonoma
Jack Baker, North Marin Water District
Sam Salmon, Town of Windsor
Jon Foreman, Valley of The Moon Water District
Jack Gibson, Marin Municipal Water District
Craig Scott, City of Cotati
Mike Ielmorini, City of Petaluma
Jennifer Burke, City of Santa Rosa
Colleen Ferguson, City of Sonoma
Drew McIntyre, North Marin Water District
Cristina Goulart, Town of Windsor
Matt Fullner, Valley of The Moon Water District
David Rabbitt, County of Sonoma/Sonoma Water
Roberta Atha, City of Santa Rosa
Easter Ledesma, City of Santa Rosa
Gina Perez, City of Santa Rosa

Staff/Alternates: Grant Davis, SCWA
Pam Jeane, SCWA
Don Seymour, SCWA
Paul Piazza, SCWA
Jay Jasperse, SCWA
Dale Roberts, SCWA
Barry Dugan, SCWA
Mike Thompson, SCWA
Steven Hancock, SCWA
Brad Sherwood, SCWA
Jake Spaulding, SCWA
Susan Haydon, SCWA
Peter Martin, City of Santa Rosa
Claire Nordlie, City of Santa Rosa
Shannon Cotulla, Town of Windsor
Chelsea Thompson, City of Petaluma
James Grossi, North Marin Water District Director
Tony Williams, NMWD
Larry Russell, Marin Municipal Water District Director
Gary Andersen, Marin Municipal Water District

Public: Paul Selsky, Brown & Caldwell
Katie Ruby, Brown & Caldwell
Armin Munevar, Jacobs Engineering
David Keller, FOER
Bob Anderson, United Wine Growers
Sebastian Bertsch, Sherwood Design Engineers
Danielle McPherson, Bay Area Water Supply & Conservation Agency
Margaret DiGenova, California American Water

1. Check-in
Susan Harvey, WAC Chair, called the meeting to order at 9:05 a.m.
2. Public Comments
No public comments.
3. Recap from the August 2, 2021 WAC/TAC Meeting and Approval of Minutes
Moved by Jack Baker, North Marin Water District, seconded by Jon Foreman, Valley of the Moon Water District; unanimously approved. No public comments.
4. Approve – Update to 2014 Water Shortage Allocation Methodology
Drew McIntyre, TAC Chair, Paul Piazza, SCWA, Paul Selsky, Brown & Caldwell and Katie Ruby, Brown & Caldwell. (*Refer to handouts.*) The history of the current allocation methodology was provided along with information on the temporary allocation of water that was approved by the WAC members on May 3, 2021, which sunsets on October 31, 2021. Brown & Caldwell worked with SCWA and TAC Ad Hoc members to develop an update to the 2014 allocation approach. The 2021 update considers residential and Commercial/Industrial/Institutional (CII) water use separately with residential water use adjusted for demand hardening. The update also caps the reasonable requirement at the three-year average total water use of each water contractor.

Moved by Mike Healy, City of Petaluma, seconded by Jack Baker, North Marin Water District to approve the update to the 2014 Allocation Methodology and request formal adoption by the SCWA Board of Directors; unanimously approved by all eight water contractors. No public comments.
5. SCWA Climate Adaptation Plan - Draft
Jay Jasperse, SCWA and Dale Roberts, SCWA. (*Refer to handouts.*) Staff has worked with Jacobs Engineering and created a comprehensive Climate Adaptation Plan that will be presented to the Sonoma Water Board on October 19, 2021 for approval. The Plan assesses climate risks and vulnerabilities related to all aspects of Sonoma Water operations and identifies adaptation strategies. Drew McIntyre, TAC Chair, asked if the Plan will create grant funding opportunities. Jay Jasperse, SCWA, replied that is seen as one of the key advantages of the Plan. Drew McIntyre, TAC Chair, referenced prior work by the agency to obtain approval to operate in the flood storage stage at Lake Mendocino and asked how Sonoma Water can leverage that work for Lake Sonoma. Jay Jasperse, SCWA, replied the same steering committee comprised of several federal and state agencies has initiated a FIRO program to evaluate the viability at Lake Sonoma and will be able to use much of the tools and science developed for Lake Mendocino. No public comments.
6. Water Supply Conditions and TUCO Update
Don Seymour, SCWA. Storage at Lake Mendocino is currently 17,400 acre-feet (AF) and the current release is 89 cubic feet per second (cfs). The level dropped 7,500 AF since the August 2 report to the WAC/TAC. SCWA staff anticipates the storage level will drop to 15,000 AF by October 1. Storage at Lake Sonoma is currently 113,000 acre-feet (AF) and the current release is 98 cubic feet per second (cfs). There has been a decline of 9,300 AF since the August 2 report and SCWA staff anticipates the storage level will drop to 100,000 AF by mid-November. Russian River diversion curtailments are in effect and State Water Board staff performed inspections of the Town of Windsor and SCWA

facilities last week. Drew McIntyre, TAC Chair, asked how the releases have varied over the last few weeks. Don Seymour, SCWA, replied they have been fairly steady until recently when there was another reduction in river flow. Matt Fullner, VOMWD, asked if there was an estimate of usable storage in Lake Mendocino. Don Seymour, SCWA, responded that another dry winter could cause the lake to go dry by February. Peter Martin, City of Santa Rosa, asked if there may be any relief related to PG&E and the existing variance at the Potter Valley Project (PVP). Don Seymour, SCWA, said PG&E will be strictly managing the variance until the 36,000 AF threshold is reached and, beginning October 15, PVP transfers will drop significantly from 30 cfs to 8 cfs. Public Comment: David Keller, FOER, said the Potter Valley Irrigation District is still irrigating 1,000 acres of hay (a second crop) and questioned why it was still allowed. No other public comments.

7. Sonoma Marin Saving Water Partnership (TAC)

a. 2021 Water Production Relative to 2013 Benchmark and TUCO Cumulative Russian River Diversion Reductions Relative to 2020 Benchmark

Drew McIntyre, North Marin Water District. (*Refer to handout.*) July water usage was 26% below 2013 benchmark year. Cumulative Russian River diversions, tracked by Sonoma Water, are down 21.9% compared to 2020, exceeding the 20% ordered by the State Board. No public comments.

b. TUCO Term 9 Reporting

Paul Piazza, SCWA. (*Refer to handout.*) The TUCO issued in February 2021 required monthly Term 9 reports and five were submitted. Received clarification that no final report was due in August because that requirement was not carried over in the June 2021 Order. The February 2021 TUCO Term 9 monthly reporting requirement is now completed. Data in early August showed 14 million gallons conserved based on tracking quantifiable programs. The total after six months is anticipated to be closer to 19 million gallons saved. No public comments.

b. Drought Outreach Messaging

Barry Dugan and Paul Piazza, SCWA. (*Refer to handout.*) Great participation in the second Drought Drop By event on August 21 with more than 3,300 kits distributed from 13 locations. The Saving Water Challenge held in July and August was very successful and final contest winners will be published in the next few weeks. Ongoing bilingual drought messaging developed as a partnership-wide effort will have a slight refresh to the design. A new partnership website is now live and includes a WaterSmart plant picker and a new tool that enables customers to access appropriate irrigation scheduling based on real-time daily weather updates. The Trusted Messenger video project, in both English and Spanish, is available and offers water savings tips from community members. Jennifer Burke, City of Santa Rosa, said Santa Rosa distributed approximately 1,300 kits at the August 21 event and encouraged contractors to participate in the third event scheduled for October 9. She expressed concern about Fall water usage and suggested specific messaging informing customers to reduce irrigation immediately to avoid water waste.. No public comments.

8. Biological Opinion Status Update

Pam Jeane, SCWA. (*Refer to handout.*)

Fish Flow Project- Ongoing work looking at changing instream flows in the Russian River in accordance with the Biological Opinion and to address changes with the Potter Valley Project.

Dry Creek Habitat Enhancement Project

Construction- Working on two pieces of Phase III this summer and expect completion by mid-October as required by the permit. The grading and habitat feature installation on the site on the west side of the Creek, a backwater feature, is essentially complete. Approximately 75% of the excavation for the flowing side channel on the east side of the Creek is complete and only two large wood structures remain to be constructed.

Habitat Monitoring and Maintenance- Environmental Staff continue physical and biological surveys on constructed projects to ensure they are meeting requirement of the Biological Opinion and to identify any maintenance needs. Phase III work to repair deposition that occurred in 2019 at sites below the Westside Bridge is anticipated for 2022, along with minor sediment removal and vegetation maintenance in certain features of Phases I and II.

Phases IV-VI- Bid documents for Phase IV are complete however work is still being done on right-of-way agreements for Phases IV – VI and construction will not begin on Phase IV until 2022. Consultants ESA and Cardno have completed 99% design submittal for Phases V and VI. Construction on Phase V is anticipated to begin in 2023 and construction on Phase VI is anticipated to begin in 2024. Sonoma Water is also working with ESA on an additional site in Reach 5 to provide additional habitat that may be needed to fully meet the 6 miles required by the Biological Opinion.

Fish Monitoring- Underwater monitoring at Mirabel Dam began on September 1 and there are concerns regarding the Chinook migration related to the drought conditions.

Russian River Estuary Management- The mouth of the Russian River is open and baseline, weekly pinniped, water quality and biological monitoring continues. The management season ends in mid-October.

Interim Flow Changes- Reported on earlier in the meeting by Don Seymour, SCWA.

No public comments.

8. Potter Valley Project Relicensing

Pam Jeane, SCWA. The partnership filed a letter with FERC on September 2 requesting an extension until May 31, 2022 to perform more work in terms of due diligence, studies and fund-raising. The partnership will use the time to address several questions related to risk, ownership costs and feasible restoration work and will also seek state and federal funding. The partnership is unsure when a response to the request will be received and it will prepare a press release with this information. Public Comment: David Keller, FOER, asked if there is any prospect for funding from the State or other sources to continue the studies? Grant Davis, SCWA, responded there is active work with CalTrout and other colleagues to pursue State funding. No other public comments.

10. Items for Next Agenda

- Late Fall Allocation for Water Contractors
- Post-December 11 Order Termination Planning

No public comments.

11. Check Out

Meeting adjourned at 11:00 a.m.



September 2, 2021

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street N.E.
Washington, D.C. 20426

Re: Potter Valley Project (Project No. 77-285)

Dear Secretary Bose:

Mendocino County Inland Water and Power Commission, Sonoma County Water Agency, California Trout, Inc., the County of Humboldt, and the Round Valley Indian Tribes (NOI Parties) hereby request that the Federal Energy Regulatory Commission (Commission) grant an abeyance in the schedule established by the Revised Process Plan and Schedule (June 3, 2020) for relicensing the Potter Valley Project (Project). The NOI Parties specifically request that the abeyance continue until May 31, 2022, at which time they will provide further notice regarding our plans. The NOI Parties will use this abeyance to further evaluate how this project would best fit into a comprehensive strategy to manage worsening crises in anadromous fisheries and water supply reliability in the Eel and Russian River Basins.

In January 2019, Pacific Gas and Electric Company (PG&E) stated its intent not to seek a new license. That June, the NOI Parties filed a Notice of Intent and began to pursue relicensing of the Project to implement a Two-Basin Solution. We stated that a New License Application would be designed to provide significant benefits to the Eel River Basin (as the water source) and the Russian Basin (below the powerplant), and specifically to continue power generation, restore anadromous fisheries, and maintain water supply reliability. In May 2020, the NOI Parties completed a Feasibility Study Report. We made preliminary findings that we could achieve these objectives if the project were modified to remove Scott Dam and modernize Van Arsdale Diversion. On the basis, the NOI Parties proposed modifications to PG&E's 2018 Study Plan; completed and filed the Initial Study Report in September 2020; and engaged in consultation with agencies and other stakeholders pursuant to 18 C.F.R. § 5.15. The Commission issued its Study Plan Determination on March 16, 2021.

Since that time, the NOI Parties have not been able to secure the funds to undertake studies per the Study Plan Determination, at estimated cost of \$18 million for two years. The individual NOI Parties do not have surplus funds to cover the work. We

have made substantial efforts but have not yet secured public and philanthropic funds for that work. In May PG&E declined to fund such work.

Our 2020 Feasibility Study Report was scoping level. While it contained preliminary information on ownership costs and risks, the information does not have the specificity and confidence interval needed for the Regional Entity to commit to the submittal of a New License Application. The estimates for certain of the complex capital improvements were plus or minus 100%, a bracket appropriate for scoping but not for an ownership commitment. Further, the NOI Parties know that future Project costs will be materially different than current. The NOI Parties expect to propose significant capital modifications; the Regional Entity will be different from PG&E, as a utility, with respect to borrowing, taxes, insurance, and other financial considerations; and climate change is altering the hydrology of the Eel River Basin to an extent that materially affects power generation and water supply reliability.

During this period ending May 31, 2022, the NOI Parties will undertake due diligence tasks that will further evaluate how to meet the goals of the Two-Basin Solution. The NOI Parties have been informed that the State of California's Fiscal Year 2021-2022 budget (as enacted June 28, 2021) includes approximately \$2.7 million for studies related to the Two-Basin Solution. Such funds are necessary to begin implementing the Study Plan Determination, as well as undertaking the due diligence related to ownership costs and risks. We also expect to confirm the availability of federal funds under Section 1109, Title XI (Western Water and Indian Affairs) of the Consolidated Appropriations Act of 2021.

In the course of the proposed due diligence, the NOI Parties will evaluate the feasibility of continued diversion for water supply in a license surrender scenario. In that scenario, a Regional Entity would own and operate a diversion facility at Van Arsdale, under authority of state law. Our 2020 Feasibility Study Report addressed this scenario at a scoping level. We subsequently prepared Technical Memoranda (attached) to provide additional details. Through the proposed further due diligence, we will determine whether PG&E's water rights would reliably support continued diversion for water supply once license surrender were effective. We will also develop firm estimates of the ownership costs and risks associated with such non-power operation of a diversion facility.

By statute PG&E is barred from seeking or obtaining a new license for this Project. It is prepared to begin license surrender if the NOI Parties withdraw our Notice of Intent or otherwise do not file a New License Application. A license surrender proceeding is the legal alternative to relicensing. Under the statute and the Commission's policy and practice, that proceeding (once started) would be an irrevocable event

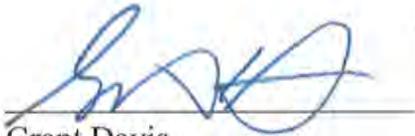
certainly resulting in license surrender. However, the NOI Parties do not (and cannot) know what the conditions of license surrender would be. Even if we did, we do not have actionable estimates of ownership costs and risks associated with any future diversion for water supply. In sum, based on the available information, the NOI Parties have not resolved among us the comparative feasibility of a new license versus license surrender to advance a Two-Basin Solution. We emphasize that this comparison is strictly from the perspective of the Regional Entity as potential owner, understanding that the Commission will determine the public interest.

The NOI Parties understand that the Integrated Licensing Process has specified intervals and steps to assure timely licensing decisions. And time matters for other reasons. The fisheries in the Eel River Basin are in poor to perilous condition. This threatens the interests of the Round Valley Indian Tribes, other tribes, Humboldt County, and commercial and private fishermen. In turn, water supply in the upper Russian Basin is at a low point unprecedented in living memory. Lake Mendocino may run dry for the first time since construction in 1958. Climate change is a key driver for these worsening crises. In all of these respects, time is of the essence to resolve the future of this Project, and the NOI Parties are committed to expediting all of the work streams described in this letter.

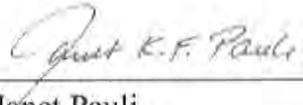
In sum, the NOI Parties request an abeyance in this proceeding until May 31, 2022, so that the parties may further evaluate how the Project would best contribute to a comprehensive strategy to manage the emerging crises in fisheries and water resources management in both basins. The NOI Parties respectfully request that the Commission use its authority under 18 C.F.R. § 5.29(f)(2) to suspend the Process Plan and Schedule as proposed here.

Thank you for your consideration. Please contact Mike Swiger at mas@vnf.com or (202) 298-1891 with any questions about this submittal.

Respectfully submitted,

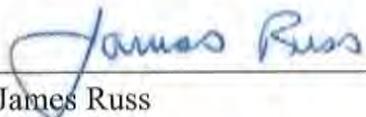


Grant Davis
General Manager
Sonoma Water
404 Aviation Boulevard
Santa Rosa, CA 95403
(707) 547-1900

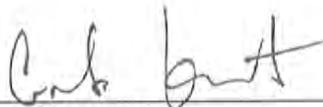


Janet Pauli
Chair
Mendocino County Inland Water and
Power Commission
P.O. Box 1247
Ukiah, CA 95482
(707) 391-7574

Kimberly D. Bose
September 2, 2021
Page 4



James Russ
President
Round Valley Indian Tribes
77826 Covelo Road
Covelo, CA 95428
(707) 983-6126



Curtis Knight
Executive Director
California Trout
360 Pine Street, 4th Floor
San Francisco, CA 94104
(415) 392-8887



Hank Seemann
Deputy Director-Environmental Services
Humboldt County Public Works Department
1106 Second Street
Eureka, CA 95501
(707) 268-2680

CC: Service List, Project No. 77-285

Attachments

11

North Bay Watershed Association

Board Meeting - Agenda

September 10, 2021 | 9:30 – 11:30 a.m.

IN ACCORDANCE WITH THE GOVERNOR'S EXECUTIVE ORDERS N-25-20 AND N-29-20 WHICH SUSPENDS CERTAIN REQUIREMENTS OF THE BROWN ACT, THIS MEETING WILL BE HELD VIRTUALLY VIA REMOTE CONFERENCING SERVICE — NO PHYSICAL MEETING LOCATION

Zoom Webinar:

<https://us02web.zoom.us/j/81908052488?pwd=eGtocHlnUFNld2FvSlcrbkNnS0xVUT09>

Webinar ID: 819 0805 2488 Password: 844545

Agenda and materials will be available the day of the meeting at:
www.nbwatershed.org

AGENDA

| Time | Agenda Item | Proposed Action |
|------|---|---------------------|
| 9:30 | Welcome and Call to Order – Roll Call and Introductions <i>Jack Gibson, Chair</i> | <i>N/A</i> |
| 9:35 | General Public Comments This time is reserved for the public to address the Committee about matters NOT on the agenda and within the jurisdiction of the Committee. | <i>N/A</i> |
| 9:40 | Agenda and Past Meeting Minutes Review <i>Jack Gibson, Chair</i> | <i>Approve</i> |
| 9:45 | Treasure's Report <i>Jack Gibson, Chair</i> | <i>Accept</i> |
| 9:50 | Guest Presentation—Integrating Watershed Resiliency and Transportation Planning in the San Pablo Bay <i>Jeremy Lowe, Resilient Landscapes Program, San Francisco Estuary Institute</i> Jeremy will provide an overview of strategies to restore habitat, reduce flood risk, and increase resilience to sea-level rise and inform transportation planning in the NBWA region. | <i>Presentation</i> |

| | | |
|-------|---|------------------------|
| 10:50 | Executive Director Report and Agenda Items for Future Meetings <i>Andy Rodgers, Executive Director</i> Andy will provide an update on active projects, communications, committees, activities, and developing initiatives since the June 4 Board meeting. Andy will outline ideas for next and future Board meeting topics and solicit feedback. | <i>Questions/input</i> |
| 11:00 | Board Information Exchange and Drought Updates <i>Members</i> Members will highlight issues and share items of interest. | N/A |
| 11:30 | Announcements/Adjourn Next Board Meeting: October 1, 2021 | N/A |

12

DISBURSEMENTS - DATED SEPTEMBER 9, 2021

Date Prepared 9/7/21

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 8/31/21 | \$160,789.33 |
| 90415* | Internal Revenue Service | Federal & FICA Taxes PPE 8/31/21 | 67,170.87 |
| 90416* | State of California | State Taxes & SDI PPE 8/31/21 | 15,077.34 |
| 90417* | CalPERS | Pension Contribution PPE 8/31/21 | 40,668.31 |
| 90418* | State of California | Unemployment Claim | \$574.06 |
| 1 | All Star Rents | Tamper Plate Rental (4 hrs) | 111.47 |
| 2 | American Family Life Ins | August AFLAC Employee Paid Benefit | 3,085.53 |
| 3 | Arrow Benefits Group | August Dental Expense | 10,106.68 |
| 4 | Asbury Environmental Services | Waste Oil Disposal | 95.00 |
| 5 | Bacharach, Penny | Novato "Cash for Grass" Rebate Program | 800.00 |
| 6 | Bay Area Barricade Service | Spray Chalk (\$210) & Marking Paint (\$161) | 371.24 |
| 7 | Bazurto, Janice | Novato "Water Smart Landscape Efficiency" Rebate Program | 100.00 |
| 8 | Bobcat of Santa Rosa | Service Parts (Bobcat Track Loader) | 269.07 |
| 9 | Cho, Charles B. | Novato "Cash for Grass" Rebate Program | 218.00 |
| 10 | Clyde, Karen | Exp Reimb: Membership for Society for Human Resource Management | 219.00 |
| 11 | DataTree | August Subscription to Parcel Data Info | 100.00 |
| 12 | Diesel Direct West | Diesel (559 gal) (\$2,390) & Gasoline (1,051 gal) (\$4,321) | 6,711.36 |
| 13 | Direct Line Inc | Sept Telephone Answering Service | 284.00 |
| 14 | Fiserv/Bastogne Inc. | Return Payment-Unable to Locate Account | 128.26 |
| 15 | Fisher Scientific | pH Strips | 121.52 |

| Seq | Payable To | For | Amount |
|-----|--------------------------------|---|------------|
| 16 | Friedman's Home Improvement | Parts for North Street Pump #2 | 128.00 |
| 17 | Goodpaster, Stacie | Exp Reimb: AWWA CA NV WQ Analyst | 75.00 |
| 18 | Grainger | Miscellaneous Maintenance Tools & Supplies | 255.30 |
| 19 | | Vision Reimbursement | 129.98 |
| 20 | Kane, Shawn | Exp Reimb: Meals While at OSHA Class in Fresno | 86.95 |
| 21 | Kelly Services, Inc. | Organic Chemist Temp Services (Lab) (15 hrs) | 892.62 |
| 22 | Lear, Jill | Refund of Deposit/New Development/WC Restriction-Novato | 1,000.00 |
| 23 | Lincoln Life Employer Serv | Deferred Compensation PPE 8/31/21 | 9,376.70 |
| 24 | Marin Landscape Materials | Concrete (42 sacks) (\$305) & Decomposed Granite (Walking Path on Scottdale Pond) (\$136) | 440.95 |
| 25 | County of Marin | Encroachment Permit (285 Montego Keys) | 448.54 |
| 26 | Nationwide Retirement Solution | Deferred Compensation PPE 8/31/21 | 1,020.00 |
| 27 | Nerviani's Backflow | Backflow Testing Services (26) | 1,820.00 |
| 28 | Noll & Tam Architects | Prog Pymt#4: Provide NMWD Headquarters Upgrade A/E Services (Balance Remaining on Contract \$749,762) | 119,673.40 |
| 29 | Novato Sanitary District | Operation of Deer Island Recycled Water Facility (5/10/21-5/28/21) | 2,622.00 |
| 30 | O'Reilly Auto Parts | Auto Shop Supplies | 448.60 |
| 31 | Pace Supply | Corp Stops (7) (Landsea Homes) (\$1,671) & Meter Gaskets (82) | 1,705.78 |
| 32 | Pape Machinery Inc. | Service Parts ('04 Backhoe) | 449.51 |
| 33 | Pini Hardware | Miscellaneous Maintenance Tools & Supplies | 452.40 |
| 34 | Point Reyes Light | Legal Notice on 8/19: Salinity Intrusion into Pt Reyes Well Supply | 174.00 |
| 35 | R & B Company | Gaskets (4) & Meter Box Lids (49) (\$2,711) | 2,724.44 |
| 36 | RH & Sons Water Services | Backflow Testing Services (170) | 11,050.00 |

| Seq | Payable To | For | Amount |
|-----|--------------------------------------|---|----------------------------|
| 37 | Robertson, Joan | Novato "Toilet Rebate" Program | 125.00 |
| 38 | Scott Technology Group | Monthly Maintenance on Engineering Copier (8/21/21 - 9/20/21) (\$187) & Contract Overage Charge | 210.00 |
| 39 | Soiland Co., Inc. | Rock (16 yds) | 493.57 |
| 40 | Staples Business Credit | Miscellaneous Office Supplies | 840.86 |
| 41 | Syar Industries Inc | EZ Street Asphalt (5 tons) (\$767) & Sand (24 tons) (\$969) | 1,735.53 |
| 42 | Thatcher Company of California, Inc. | Chlorine (4,000 lbs) (STP) | 1,820.00 |
| 43 | Unicorn Group | Water Conservation Post Card & Mailing Services (26,000) (\$2,736) & Printing of 2020 Urban Water Management Plan (7) (\$913) | 3,648.88 |
| 44 | Verizon Wireless | Cellular Charges: Data (\$1,181), Airtime (\$128) & iPads for Asset Management (\$200) | 1,508.84 |
| 45 | Verizon Wireless | Aug SCADA & AMI Collectors (\$650) | 810.74 |
| 46 | VWR International LLC | Pipet Filler, Bottles (12) (\$155), Safety Gloves (\$230) & Nitrate (Lab) | 429.31 |
| 47 | Wein, Barbara J. | Novato "Toilet Rebate" Program | 250.00 |
| 48 | Winzer Corporation | Misc Hardware for Auto Shop | 209.42 |
| 49 | ZORO | Flange & Face Mask Holders (2) (\$63) | 113.65 |
| | | TOTAL DISBURSEMENTS | <u>\$474,171.01</u> |

The foregoing payroll and accounts payable vouchers totaling \$474,171.01 are hereby approved and authorized for payment.

 _____
 Auditor-Controller Date 09/07/2021

ACTING  _____
 General Manager Date 09/07/2021

DISBURSEMENTS - DATED SEPTEMBER 16, 2021

Date Prepared 9/13/21

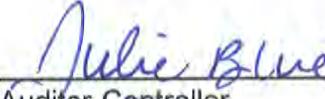
The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

| Seq | Payable To | For | Amount |
|-----|-------------------------------|--|----------|
| 1 | Alpha Analytical Labs | Lab Testing | \$750.00 |
| 2 | Bishop, Andrea | Novato "Cash for Grass" Rebate Program | 350.00 |
| 3 | Buck's Saw Service | Weed Trimmer String | 43.39 |
| 4 | California Water Service | Water Service (O.M.) (6/29-8/27/21) (0 CCF) | 57.28 |
| 5 | Caltest Analytical Laboratory | Lab Testing | 82.95 |
| 6 | Chandrasekera, Carmela | Retiree Exp Reimb (Sept Health Ins) | 1,063.97 |
| 7 | Cilia, Joseph | Retiree Exp Reimb (Sept Health Ins) | 372.37 |
| 8 | Cinquini & Passarino Inc. | Prog Pymt#2: PRE Tank 4A Replacement (Balance Remaining on Contract \$27,236) | 281.25 |
| 9 | Delfino, Marlene | Novato "Toilet Rebate" Program | 250.00 |
| 10 | Ditch Witch West | Washer Tip ('19 Ditch Witch) | 276.68 |
| 11 | Electrical Equipment Co | Capacitors for STP (2) | 24.60 |
| 12 | Enterprise FM Trust | Monthly Leases for Chevy Colorado, Ford Ranger, F250's (2), Nissan Rogues (3), Nissan Frontiers (2) & F150's (4) | 6,600.95 |
| 13 | Fedak & Brown LLP | August Progress Billing (Financial Statement Audit FY 20/21) (Balance Remaining on Contract \$6,329) | 6,208.00 |
| 14 | Ferguson Waterworks | Repair Parts for Meters (\$105), 5/8" Registers (30) (\$6,608) & 3" Flange Meter (\$1,069) (Less Credit of \$6,920 for Install Refund) | 861.81 |
| 15 | Fiserv/Bastogne Inc. | Unable to Locate Account - Return Payment | 49.56 |
| 16 | Frontier Communications | Leased Lines | 1,444.50 |

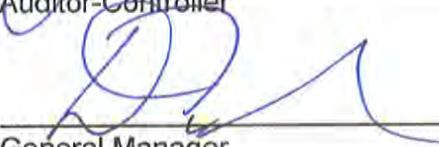
| Seq | Payable To | For | Amount |
|-----|------------------------|--|----------|
| 17 | GHD Inc. | Engineering On-Call Services (Kastania P/S) (Balance Remaining on Contract \$31,554) | 399.00 |
| 18 | Grainger | Tap for Auto Shop, Wall Clock & Air Filters (Front Office HVAC) (\$279) | 382.90 |
| 19 | HERC Rentals Inc. | Generator Rental (1 month) | 2,678.19 |
| 20 | Jackson, David | Retiree Exp Reimb (Sept Health Ins) | 1,063.97 |
| 21 | Jones, Garrett | Novato "Pool Cover" Rebate Program | 75.00 |
| 22 | Kiosk Creative LLC | Web Forms Project - Start/Stop, Bill Adjustment, & Water Waste Report | 5,600.00 |
| 23 | Latanyszyn, Roman | Retiree Exp Reimb (Sept Health Ins) | 372.37 |
| 24 | Lemos, Kerry | Retiree Exp Reimb (Sept Health Ins) | 1,063.97 |
| 25 | Littman, Tajali | Novato "Toilet Rebate" Program | 250.00 |
| 26 | Manzoni, Alicia | Retiree Exp Reimb (Sept Health Ins) | 1,063.97 |
| 27 | Marin County Ford | Service Parts ('17 F350-\$491, '17 Ford Escape- \$81, '12 F250-\$70, '10 F150-\$70, '15 Ford Escape-\$70 & '20 F150-\$196) | 976.73 |
| 28 | Marin County Clerk | Notice of Exemption Filing Fee (NMWD Headquarters Upgrade Project) | 50.00 |
| 29 | Metcho, Steve | Novato "Cash for Grass" Rebate Program | 800.00 |
| 30 | North Marin Auto Parts | Wiper Blades for Fleet (15) (\$311), Service Parts ('02 Chevy Silverado-\$407, '99 Forklift- \$201, Portable Generator-\$97, '16 Nissan Frontier-\$195) & Miscellaneous Maintenance Tools & Supplies (\$735) | 1,946.06 |
| 31 | North Bay Gas | Nitrogen (\$773), Acetylene (\$72), Oxygen, Brush, Breathing Air (\$68) & August Cylinder Rental | 1,008.59 |
| 32 | O'Reilly Auto Parts | A/C Parts ('02 Chevy 1500) | 151.49 |
| 33 | Pace Supply | Elbows (5) (\$532), Service Saddles (16) (\$1,727) & Gaskets (5) (\$78) | 2,336.28 |
| 34 | Pace, Michael | Novato "WSLE" Rebate Program Residential | 61.92 |
| 35 | Peterson Trucks | Service Parts ('12 Int'l Dump Truck) | 547.44 |

| Seq | Payable To | For | Amount |
|-----|--------------------------------|---|---------------------------|
| 36 | Pacific Gas & Electric Co | Power Installation for PRE 4C (420 Drakesview Dr-Inverness) (\$1,000) & Power: Bldgs/Yard (\$5,489), Other (\$211), Pumping (\$44,155), Rect/Controls (\$478) & Treatment (\$140) | 51,472.94 |
| 37 | Point Reyes Light | Legal Notice on 8/26/21: Salinity Intrusion into the Pt. Reyes Well Supply | 174.00 |
| 38 | Quadient, Inc. | October Postage Meter Rental | 143.06 |
| 39 | Recology Sonoma Marin | August Trash Removal | 541.78 |
| 40 | Safeguard Business Systems Inc | Replacement Payment. Original Payment Returned (Accounts Payable Checks) (5,000) | 616.38 |
| 41 | Saint-Pierre, Joanne | Novato "Cash for Grass" Rebate Program | 50.00 |
| 42 | Sigma Pneumatics, Inc. | Breaker Parts | 169.81 |
| 43 | TPx Communications | September Telephone Charges | 655.57 |
| 44 | VWR International LLC | Buffered Dilution (\$173), Safety Gloves (100) (\$149), Pipets (250), Bottle Wash (4), Media (\$49), Wash Bottles (4), Medium (\$169) & Tryptic Soy Broth | 698.69 |
| 45 | Waste Management | Green Waste Disposal | 123.06 |
| 46 | ZORO | Valves & Fittings for North St Lift | 89.97 |
| | | TOTAL DISBURSEMENTS | <u>\$94,280.45</u> |

The foregoing payroll and accounts payable vouchers totaling \$94,280.45 are hereby approved and authorized for payment.


09/13/2021

 Auditor-Controller Date


09/13/2021

 General Manager Date

Notice:

Seasonal salinity intrusion has occurred into two of North Marin Water District's wells serving the West Marin communities of Point Reyes Station, Olema, Inverness Park, and Paradise Ranch Estates. Now that sodium has reached 50 mg/L, North Marin Water District will be publishing this notice weekly to keep you informed about the sodium concentration in drinking water so you may be able to make informed dietary choices.

The table below lists the most recent concentrations for sodium in the West Marin water supply. While there is no direct health concern from salt for most people at this concentration, customers that are on sodium restricted diets should consult their physicians to see if additional sodium is a concern for them.

| Date | Sodium | Chloride | Units |
|---------|--------|----------|-------|
| 9/5/21 | 34.1 | 67.2 | mg/L* |
| 8/29/21 | 36.7 | 37.7 | mg/L* |
| 8/22/21 | 110 | 307 | mg/L* |
| 8/15/21 | 26.6 | 56.1 | mg/L* |

*milligrams per liter

If the sodium concentration reaches 115 mg/L (a value representing 10% of the recommended daily intake for sodium) NMWD will start making treated drinking water with a lower salt content available to those customers on sodium-restricted diets. This water will be available at bottle filling stations on the former Coast Guard housing property, at the end of Commodore Webster Drive. When the sodium concentration reaches the threshold, information about this program will be found at www.nmwd.com/wq where you'll also find the annual report about high quality of the drinking water we serve to your tap.

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| Date | Sodium | Chloride | Units |
|---------|--------|----------|-------|
| 9/12/21 | 49.7 | 96.9 | mg/L* |
| 9/5/21 | 34.1 | 67.2 | mg/L* |
| 8/29/21 | 36.7 | 37.7 | mg/L* |
| 8/22/21 | 110 | 307 | mg/L* |

*milligrams per liter

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From: City of Novato - Sustainability Program <publicinfo@novato.org>
Sent: Friday, September 10, 2021 4:06 PM
To: Terrie Kehoe
Subject: Sustainability News - September 2021



Sustainability News

September 2021



CITY OF NOVATO
CALIFORNIA

Drought is here. Save water.

Over the past two years, rain and snow totals in Northern California have been less than 50% of average and the 2020-2021 water years are equivalent to the driest on record for our local area, which occurred in 1976-1977.

North Marin Water District (NMWD) has taken measures to preserve water supply by enacting an Emergency Water Conservation Ordinance which mandates a 20% (Novato Service Area Wide) reduction in water use from July 1 to November 1. **Water use prohibitions** outlined in the Ordinances aim to reduce the amount of water used for landscaping, as well as eliminating water waste and non-essential usage.

NMWD is offering a range of free programs and incentives to reduce both **indoor** and **outdoor** water use, including a **Residential Recycled Water Pick-Up Program**. The recycled water program provides clean, safe, tertiary-treated recycled water for residential customers to pick up at a select location to be used for hand-watering of outdoor plants. There is an annual application fee of \$75 and participants are required to review and submit the **Recycled Water Fill Station Guidelines and Application**.

Novato Service Area Drought Guide



Save water AND our trees

You can help keep our trees alive during the drought. All trees need water to stay healthy (even mature ones) and drought-stressed trees are more susceptible to disease.

Since every drop of water counts, and trees don't need treated drinking water to thrive, head on down to our local hardware store and pick up a couple of 5-gallon buckets to capture greywater from your washing machine, shower, and sink to water trees in your garden.

Your trees won't mind a little soap, but they don't like chlorine, boron, or sodium, so if you're using the rinse water from your washing machine be sure your laundry soap is eco-friendly and free of these three ingredients.

Reduce Water Use and Help Save Trees

Marin County Drought Tracker

Marin Independent Journal

The Marin County Drought Tracker features water supply and water conservation numbers for Marin Municipal Water District, North Marin Water District and Sonoma Water.

Marin Municipal Water District

Total reservoir supply as of Sept. 2: 37%; 29,532 acre-feet Average water supply for Sept. 2: 74%; 58,819 acre-feet Water conservation Aug. 27 to Sept. 2*: 26% (3% decrease from prior week) MMWD's mandated conservation target: 40%

North Marin Water District

Stafford Lake water supply as of Sept. 2: 33%; 1,434 acre-feet Average water supply for Sept. 2 (since 1994): 48%; 2,066 acre-feet Note: NMWD fed about 1,100 acre-feet of Russian River water into Stafford Lake from February to April. Novato water conservation for August 2021**: 23% (1% increase from prior update) Novato mandatory conservation target: 20% West Marin water conservation as of Aug. 22***: 39% (1% decrease from prior update) West Marin mandatory conservation target: 25%

Sonoma Water

(supplies 25% of MMWD's supply and 75% of NMWD's supply) Lake Mendocino supply: 26.7%; 19,058 acre-feet Lake Sonoma supply: 47.1%; 115,398 acre-feet * conservation % is based on collective use compared to three-year average water use for this time period for 2018-2020 ** Novato conservation % compared to June 2020 water use *** West Marin conservation % compared to water use in June 2013, the last normal water year

Sources: MMWD, NMWD, Sonoma Water

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POINT REYES LIGHT

Marin launches Dillon Beach wastewater study

By Victoria Dodge
09/08/2021

Dillon Beach has been engaged in conversations with the county about water needs since late 2018. Now the county is embarking on a wastewater feasibility study starting this month and wrapping up by the end of the year.

The non-commitment project will include public outreach through meetings, workshops and direct communication with homeowners to discuss previous findings, project manager Arti Kundu said.

Dillon Beach was identified by the state's Department of Water Resources effort to target water resource planning and decision-making in disadvantaged or rural communities. A survey conducted in 2019 showed the community supported a feasibility study. The town's 1989 community plan notes that the county strongly encouraged a consolidated sewage system.

"Even more now, water sources and quality are the most important issues," Dillon Beach resident Melinda Bell said. "[The community's] goals are ample clean water, including water at the beach, and wastewater treatment meeting accepted standards. They are waiting to learn their options through the grant-funded study."

A needs assessment conducted in town in 2019 identified both water and wastewater as areas of concern, but the current study is focused only on wastewater solutions. A \$194,336 grant approved by the Board of Supervisors last week will allow the Community Development Agency and Environmental Health Services to study the environmental and operational problems associated with the town's current wastewater system.

Properties served by septic systems are given high priority. They include about 150 small residential parcels in the older village area, a few newer or larger residences in Oceana Drive, the Dillon Beach Resort and about 15 homes on Cliff Street and Bay Drive.

Oceana Marin, the development just north of the village, is served by a sewer system operated by North Marin Water District, the only wastewater system the district runs. Installed in 1971, the system uses gravity collection and pumps waste to a treatment facility consisting of two ponds and a subsurface disposal field. It serves 229 homes and has a build-out potential of around 300 homes, according to a 2015 update to the wastewater system's master plan. In 2000, North Marin clarified its policy on the expansion of wastewater service in West Marin. The five-part resolution states the district would consider expanding once engineering studies, land use consistencies and an environmental review were completed.

The county's feasibility study will look at individual onsite upgrades, cluster systems for small groups of properties that could connect to the existing sewer system and a standalone community wastewater system. Various combinations of

collection, treatment, storage and disposal methods will be considered, including graywater systems and innovative technologies.

“At the end of the project, we will have an analysis and comparative review of the various project alternatives in identifying the best wastewater management alternatives for the Dillon Beach Village community,” Ms. Kundu said.

In the 2019 survey, Dillon Beach residents expressed interest in creating a public wastewater district, much like the one in Tomales. In that town, more than 80 percent of registered voters petitioned in 1999 to detach from North Marin Water District, which operated the wastewater system at the time. Now the community services district runs wastewater collection and treatment for Tomales, its park and its schools.

Project manager Arti Kundu and Supervisor Dennis Rodoni will hold a community Zoom meeting for Dillon Beach residents from 5 to 6:30 p.m. on Sept. 17. The meeting I.D. is 958 4067 2114 and the passcode is 599912.

POINT REYES LIGHT

Gallagher well appealed to state agency

By Ike Allen
09/08/2021

A proposed well that could relieve Point Reyes Station residents coping with salty water has been appealed to the California Coastal Commission.

Gordon Bennett, an Inverness Park resident, argues that North Marin Water District hasn't presented adequate evidence showing the well won't impact Lagunitas Creek streamflows, and in August, he appealed the county permit for the project.

"Even a small reduction in water level over the two-mile stretch impacted by the proposed well could dry out acres of floodplain and isolate pools in which special species fish would be trapped," Mr. Bennett wrote in his appeal.

The well would be the second one on the Gallagher ranch outside of Point Reyes Station. Both wells were intended to relieve the district's dependence on two saltwater-contaminated wells on the former Coast Guard property.

The district's general manager, Drew McIntyre, said the second Gallagher well would not only remedy the salinity issue, but also create much-needed redundancy in the system. Currently, if the first Gallagher well, which produces far less water than hoped, breaks down, the district would have no access to low-saline water for its West Marin customers, he said.

Mr. McIntyre said customers are conserving at impressive levels, but even with an almost 40 percent reduction in use, saltwater continues to intrude on the Coast Guard wells. On Aug. 22, sodium levels at the wells were measured at 110 milligrams per liter, dropping to below 40 a week later. The Environmental Protection Agency recommends sodium levels in drinking water not exceed 30 to 60 milligrams per liter.

The district has installed an emergency tank downtown, but it is only open to customers on sodium-restricted diets when salinity levels reach 115 milligrams per liter.

"We're bouncing around that sodium threshold," Mr. McIntyre said.

Yet Mr. Bennett, president of the local organization Save Our Seashore, argued there is no urgent need for the well. He said that if North Marin pushed for more effective conservation—such as targeting landscaping overuse—there would be enough water for the district's West Marin customers from the first Gallagher well.

His appeal also argues that North Marin's plans violate several aspects of the Local Coastal Program, the document used by the county to ensure compliance with the Coastal Act. He points out that the district refers to "negligible" loss of sensitive habitat, though the L.C.P. requires "no net loss" of habitat. He said the district failed to consider the

cumulative impacts of both wells operating at once, as mandated by the L.C.P., and that it did not provide any scientific evidence that the project would “minimize impacts to stream functions” or “preserve and enhance” the margins of the riparian area, both requirements.

The coastal commission, which administers the Coastal Act, has the power to alter the permit to require North Marin to more carefully preserve streamflows.

In his appeal, Mr. Bennett asked for a “compromise” mitigation measure that he said would better protect fish habitat while allowing the well to move forward. If flows drop below six cubic feet per second at the Gallagher well, he suggested, North Marin would tap supplies from Marin Water, utilizing the districts’ intertie agreement. This guideline comes from a California Environmental Quality Act analysis conducted by N.M.W.D. itself in 2009, when the district considered building the second well.

For its part, North Marin says it conducted streamflow studies last fall and is planning another round of studies next month. “I think that the district and Gordon have the same interests, and that’s to cause no harm to the fish,” Mr. McIntyre said. “We just have different visions on how that occurs.”

This is the third time Mr. Bennett has appealed the well. In May, county planning commissioners rejected his initial appeal, and in July, the Board of Supervisors rejected the second, contending that the matter fell outside of their jurisdiction. Now, Mr. Bennett is appealing directly to the statewide agency that handles coastal planning.

A hearing is set for October. If the coastal commission sides with Mr. Bennett, it could revoke the permit for the well. If it sides with North Marin, the appeal process would be exhausted and the district could have the well in operation by next summer.

Multipronged approach vital to water supply

Editorial

Marin Independent Journal

Marin Municipal Water District's decision to pursue construction of a pipeline across the Richmond-San Rafael Bridge to import water makes sense.

But it shouldn't be the end all strategy.

The district needs to seriously look at expanding its capacity to collect and store more water — and directors, not just staff — need to provide ratepayers with fact-based reasons why desalination is not a viable option.

Expanded use of recycled water is long overdue.

There's no question something significant needs to be done. More focus on expanding the local supply and storage capacity should have been priorities for MMWD.

The water board's long-held myopic strategy that conservation would answer our local water needs obviously didn't take into consideration a historic multiyear drought.

Its customers, who are used to conserving and have already taken such measures, have been asked to cut back by 40%, on top of the water-saving measures they had already taken. So far, they have come up short of that goal. On Aug. 30, local conservation was stalled at 29%. The best week was 30%.

The district's water supply has been calculated at about half of what it usually has on hand as summer winds down. MMWD officials are warning that if it doesn't find a new water source and we have another dry winter, it may have to mandate rationing that could limit daily water use to 37 gallons per person.

In 2017, the average daily per-person water use was 59 gallons.

That reflects conservation measures that have been the norm among MMWD ratepayers.

MMWD's leadership appears to be confident there will be agencies willing to sell water to Marin. It will come at a cost, which likely requires increasing MMWD rates.

The goal is to have water flowing across the new pipeline and into Marin by June. That means avoiding any bureaucratic hang-ups from the myriad agencies that need to endorse MMWD's plan.

Hopefully, those local, state and federal agencies will be working together to come up with a long-term answer to this historic challenge.

The estimated cost is \$60 million to \$90 million.

Meanwhile, the district says it is also continuing to look at the possibility of installing temporary desalination plants. But officials caution that the costly alternative cannot pump enough water to meet ratepayers' pre-drought supply.

It still could well be a viable piece of a multipronged strategy.

The district also should consider collaborating with the North Marin Water District, which is facing the same shortage as MMWD.

By both going in on the pipeline, the cost to ratepayers can be shared and lowered.

The same goes for desalination or increasing the local storage capacity.

It's obvious that conservation must still be a top priority. Every customer needs to do his or her share to not waste our severely limited supply.

But those ratepayers also deserve frequent progress reports on efforts to bring in more water. They need to know that MMWD is doing a lot more than just telling its customers to substantially reduce their water use.

Without a long-standing embedded local ethic of conserving water, MMWD's plight certainly would be much worse. But we are seeing its limitations and facing a shortsighted strategy of MMWD's directors' banking on customers cutting back when they should have been diligently working on significantly increasing the local water supply, including its storage capacity.

MMWD's leadership appears to be confident there will be agencies willing to sell water to Marin.

High water use penalty proposed

MARIN MUNICIPAL

Extra fees would be assessed for customers who exceed cap

Marin Independent Journal

By Will Houston

whouston@marinij.com

The Marin Municipal Water District is considering whether to charge new penalties for high water users during the drought.

The proposal discussed by the district's board this week would set varying caps on water use during the "summer" and "winter" billing periods. Ratepayers would be charged a fee for every 748 gallons used above that cap.

"We're not turning anybody's water off," district consultant Mark Hildebrand told the board on Tuesday. "This is simply penalizing folks for using water above a certain level."

The board is set to vote on the penalty program during its meeting on Sept. 21.

The district could deplete its reservoir supplies as soon as next summer in the event of another dry winter this year. The district's seven reservoirs are less than 37% full.



A drought reminder sign stands outside the Marin Municipal Water District offices in Corte Madera on July 21.

ALAN DEP — MARIN INDEPENDENT JOURNAL

The 191,000 residents in the district have failed to meet the 40% conservation goal set by the district in April, with peak conservation reaching 30% in August.

The new penalty would be charged based on a customer's water use and the time of year.

Residential customers are placed into one of four water rate tiers depending on how much water they use during the summer and winter billing cycles. Customers who use more water are placed into higher tiers and are charged higher rates.

For the December to May period, customers who use water above tier 1 levels — more than 15,709 gallons or 2,100 cubic feet of water — during their bimonthly billing cycle would be subject to penalty fees.

For the June to November period, customers who use water above tier 2 levels — more than 44,135 gallons or 5,900 cubic feet of water — during their bimonthly billing cycle would be subject to penalty fees.

The penalty amount has yet to be set, but board members voiced support on Tuesday for charging \$5 to \$15 per 748 gallons depending on how high the water use is.

The rules would not apply to indoor water use at commercial accounts and multifamily homes, but would apply to irrigation water meters at these locations, staff said.

If approved, the rules would not take effect until Dec. 1, the beginning of the district's winter billing cycle. Staff said the delay is necessary because most district ratepayers don't know their water use until they get their bimonthly water bills and because they need to notice ratepayers of the penalties.

Larry Bragman, a member of the district board, said the penalties are "overdue" and said it was disappointing to wait until December to enact them. Most of the district's water use occurs from June through November.

Board member Monty Schmitt said the district should be looking to do more, including prohibiting all lawn watering. The district allows residents to use their outdoor sprinklers one day per week.

"What we do here has got to be enough to be able to weather through another similar dry year next year," Schmitt said.

Bragman also suggested the board reassess allowed water uses such as pool refilling and golf course watering. Golf courses are meeting the 40% conservation mandate, but Bragman said the district should revisit whether to only allow them to water tees and greens.

District customer Jennifer O'Mara, addressing the board, asked how effective the penalties would be in curbing water use among the highest users, who likely are not as sensitive to prices given how much they already pay for their water. She also expressed concern about the district only being able to levy penalties every two months because of the bimonthly billing cycle and questioned whether the district could read the meters of these higher water users more frequently.

“You’re here to make an effective change,” O'Mara said. “And 60 days is not going to be an effective change.”

District staff said the penalties are not new rates and therefore would not be required to undergo public notification and review processes mandated by Proposition 218. The district might be considering drought-based rates in the coming months, but staff said that could take four to 12 months to complete based on Proposition 218 requirements.

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Thursday, 09/09/2021 Page .A01Copyright Terms and Terms of Use.

Competitive 2022 elections await water district seats

Marin Independent Journal

DICK SPOTSWOOD

With the recall election aimed at Gov. Gavin Newsom almost behind us, the next marquee Marin election is for three seats on the board of the Marin Municipal Water District. The public agency is the water supplier for 191,000 residents and businesses in central and southern Marin.

MMWD elections have been sleepy affairs but effects from the current drought will change the politics of water in 2022. That's when three of the five directors on the MMWD board see their terms expire. Seats held by board President Cynthia Koehler, representing Mill Valley and Sausalito, Jack Gibson, who covers North San Rafael and his own Sleepy Hollow neighborhood, and Larry Bragman, who hails from the Ross Valley-Greenbrae district, will all be in the balance. All three board members are expected to run for reelection.

MMWD's counterpart, North Marin Water District, sees two of its district-elected directors facing voters in 2022: Rick Freitas and board President James Grossi.

The issue for all candidates is clear as a glass of crystal clean water. Should the agencies continue on their current trajectory by principally relying on conservation to reduce water consumption?

The alternative couples conservation with an urgent move to not just study but to achieve new water sources.

Incumbent MMWD directors won't get a pass. Those contending that the public agency ignored the county's dry plight for too long are actively recruiting candidates. It's not exactly a volunteer post. All but one of the part-time directors receives pay and benefits averaging \$33,180 each year, including comprehensive health insurance. Director Armando Quintero declines the insurance and earns \$8,400. NMWD directors get stipends averaging \$7,140 annually.

Regardless of where voters stand in the debate, a competitive election — complete with door-to-door campaigning and candidate forums — will be good for all concerned. The debate should be wide open. Ideally the result will be conclusive.

It will be educational to hear challengers propose new supply options. Water agencies in Santa Clara and San Diego counties have taken steps that will provide much debate fodder.

The new supply proposals will surely include potential restoration of the once-gushing pipeline on the Richmond-San Rafael Bridge. Building a desalination plant on the San Quentin Peninsula, while expensive, will be on the table. All of the previously mentioned advocates will suggest raising dam heights, reservoir storage capacity and recycling grey water for outdoor and industrial uses.

MMWD incumbents Koehler and Monty Schmitt, whose term ends in 2024, deserve kudos for taking a forthright stand. In a Marin Voice commentary posted on the IJ website Aug. 29 with the headline “Charting a drought-resilient path forward for Marin,” they wrote that the best and most economic route ahead is to double down on conservation. Without abandoning ideas for new water sources, they’d indefinitely defer even exploring them except for a possible Richmond Bridge pipeline.

That stand greatly simplifies the 2022 political debate between those incumbents calling for an enhanced status quo and challenges pushing for new water sources. *** The worst traffic congestion in Marin involves two bottlenecks endured by motorists and trucks heading to the East Bay on weekday afternoons via the Richmond-San Rafael Bridge.

The first is the two-lane Sir Francis Drake Boulevard stretch from the Ferry Terminal past San Quentin to Interstate 580. The second involves the dysfunctional connection between Highway 101 to 580 in East San Rafael.

Fortunately, the Transportation Authority of Marin is working to rebuild the latter with a new aerial structure eliminating the stop-and-go commuter purgatory at Bellam Boulevard.

One other option is bypassing Bellam’s on-and-off ramps entirely by, instead, adding a new 580 interchange east of Bellam.

It’s a worthwhile option to include in preliminary engineering studies, if it doesn’t delay the primary effort. It’s not cheap, but the notion could be a game changer improving access and safety for Canal neighborhood residents and Southeast San Rafael businesses.

Columnist Dick Spotswood of Mill Valley writes on local issues Sundays and Wednesdays. Email him at spotswood@comcast.net.

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Wednesday, 09/15/2021 Page .A11

Wednesday Soapbox

Marin Independent Journal

North Marin Water District at critical junction

I sat in on part of the recent North Marin Water District board meeting on July 20. I then read the minutes from the meeting posted online.

I was very disappointed with the lack of urgency in the meeting, given the last two extremely dry years. Current water supply levels are extremely low.

During public comment, I asked about the district's game plan should we have another dry year given our current water supply. I did not get an answer and was told it would be discussed later, during the agenda item time to discuss a "water supply study" to begin in September 2021 and end in March 2022.

The first part of the meeting focused on the renovation of the NMWD office. Given we are at a critical junction if we have another dry year, the lack of planning and inability to develop more ways to increase our water supply is unacceptable.

Ten years ago, San Diego's water boards began planning for climate change that would likely cause the reduction of the water supply. Now, communities in that county have no water shortages and reasonably priced water. Meanwhile, NMWD has focused on conservation and increasing the price of water to discourage water usage.

I think the district leaders are merely hoping for future rain while threatening the quality of life in Novato.

— *Al Dugan, Novato*

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Wednesday, 09/15/2021

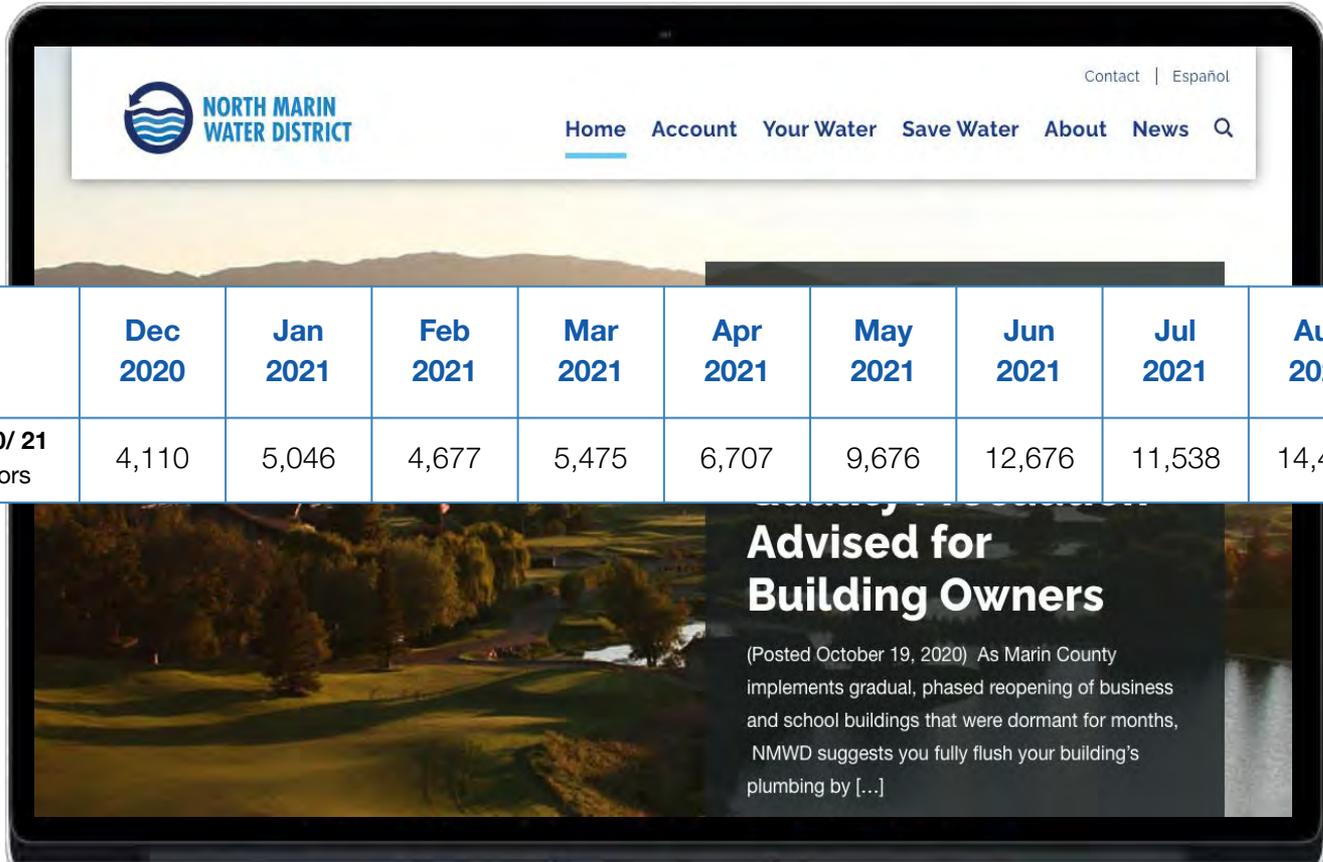


**NORTH MARIN
WATER DISTRICT**

Web & Social Media Report

August 2021

Website Statistics



| | Dec 2020 | Jan 2021 | Feb 2021 | Mar 2021 | Apr 2021 | May 2021 | Jun 2021 | Jul 2021 | Aug 2021 |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2020/ 21 Visitors | 4,110 | 5,046 | 4,677 | 5,475 | 6,707 | 9,676 | 12,676 | 11,538 | 14,485 |

Advised for Building Owners

(Posted October 19, 2020) As Marin County implements gradual, phased reopening of business and school buildings that were dormant for months, NMWD suggests you fully flush your building's plumbing by [...]



Social Media Followers

| | Dec-2020 | Jan-2021 | Feb-2021 | Mar-2021 | Apr-2021 | May-2021 | Jun-2021 | Jul-2021 | Aug-2021 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|  Facebook Likes | 1,188 | 1,186 | 1,181 | 1,185 | 1,183 | 1,181 | 1,178 | 1,181 | 1,191 |
|  Twitter Followers | 17 | 21 | 24 | 29 | 28 | 35 | 42 | 44 | 52 |
|  Instagram Followers | 431 | 439 | 457 | 469 | 482 | 497 | 516 | 536 | 549 |



NMWD Most Visited Pages

| Pages | Unique Pageviews | % of Total |
|---|------------------|------------|
| Home | 5,570 | 21.11% |
| Watersmart | 4,180 | 17.00% |
| Novato Service Area Drought Guide | 4,109 | 14.34% |
| Online Billing | 2,385 | 10.28% |
| Novato Drought FAQs | 903 | 3.11% |
| Drought | 573 | 2.23% |
| Emergency Water Conservation Ordinances | 544 | 1.89% |
| Save water outdoors | 525 | 1.89% |
| Water Waste Report | 482 | 1.62% |
| Recycled Water | 379 | 1.58% |



August News

Residential Recycled Water Fill Station for 2021

(Updated August 2, 2021) NMWD's Residential Recycled Water Pick-Up Program is back for the 2021 Drought. This program provides clean, safe, tertiary-treated recycled water to residential customers to pick up at a select location and time to be used for hand-watering of outdoor plants. There is an annual application fee of \$75. For more information click here: [Recycled Water Fill Station Guidelines and Application](#)

Current Residential Recycled Water fill station hours are Tuesday, Thursday and Saturday 9:00 am to 1:00 pm.

Due to current restrictions, NMWD's office is open to the public for in-person business with reduced hours. Temporary business hours are Monday through Thursday from 10:00 am until 2:00 pm. NMWD's offices are located at 999 Rush Creek Place, Novato, CA 94945.



August News

North Marin Water District study will explore options to expand Novato water supply

(Posted August 10, 2021) A \$150,000 study has been approved for North Marin Water District to explore options for expanding local water supply in our Novato Service Area.

A range of options will be explored during the Local Water Supply Enhancement Study, including expanding our recycled water distribution, capturing stormwater runoff from nearby areas such as Bowman Canyon, and groundwater banking, in which the groundwater aquifer can be recharged during wet years and drawn from during drought years.

The study will also include increasing the capacity of our Stafford Lake reservoir by raising lake elevation by three feet. Approximately 20% of Novato's water supply comes from Stafford Lake, with imported Russian River water sourced from the Sonoma Water agency making up the rest.



August News

Drought Drop-By Event #2

(Updated August 18, 2021) North Marin Water District is holding a second Drought Drop-by event on Saturday, August 21, 2021, from 8am-12noon at our 999 Rush Creek Place office location. We should have a very similar Drought Tool Kit to what we had for the June 12 event. Make sure to drop by and get your FREE Drought Tool Kit. COVID-19 safety procedures will be in place.





August Social Media Highlights | Facebook

 North Marin Water District
4 August · 🌐

Did you know, under the new prohibitions, dining establishments will only bring customers a glass of water upon request? For more information, visit NMWD.com/drought #droughtishere #savewater



**New Drought Rules:
Serving Water**

For more info visit:
nmwd.com/drought



NORTH MARIN
WATER DISTRICT

62 people reached | 1 engagement

Engagements include likes, reactions, clicks and comments

 North Marin Water District
6 August · 🌐

August is #NationalWaterQualityMonth! Did you know that North Marin Water District drinking water surpasses all national and state standards? Learn more: www.nmwd.com/wq



**NORTH MARIN
WATER DISTRICT
999 RUSH CREEK PLACE**



NORTH MARIN
WATER DISTRICT

77 people reached | 0 engagement





August Social Media Highlights | Facebook

 North Marin Water District
11 August · 🌐

The Saving Water Challenge has been extended until August 31!
Join the Saving Water Challenge and discover how small changes can make a big impact when it comes to saving water. See how many of the 31 water-saving tips you can adopt to reduce water use inside and outside your home. <https://nmwd.com/drought-is-here-join-the-saving-water-cha.../>



56 people reached | 0 engagements

 North Marin Water District
13 August · 🌐

Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: nmwd.com/meetings



59 people reached | 0 engagements

Engagements include likes, reactions, clicks and comments





August Social Media Highlights | Facebook

 **North Marin Water District**
Published by Hootsuite · August 16 at 12:30 PM ·

A \$150,000 study has been approved for the District to explore options for expanding local water supply in our Novato Service Area. Learn more: <https://nmwd.com/north-marin-water-district-study-will.../>



**NORTH MARIN
WATER DISTRICT**

NMWD.COM
North Marin Water District study will explore options to expand Novato water supply - North Marin Water District

77 people reached | 6 engagements

Engagements include likes, reactions, clicks and comments

 **North Marin Water District**
19 August ·

Under the new drought prohibitions, customers must use a hose with an automatic shut-off nozzle when washing vehicles, trailers, and boats. Visit NMWD.com/drought for more information. #droughtishere #savewater



New Drought Rules:
**Washing
Vehicles**

For more info visit:
nmwd.com/drought



**NORTH MARIN
WATER DISTRICT**

73 people reached | 0 engagements





August Social Media Highlights | Facebook

 North Marin Water District
19 August · 🌐

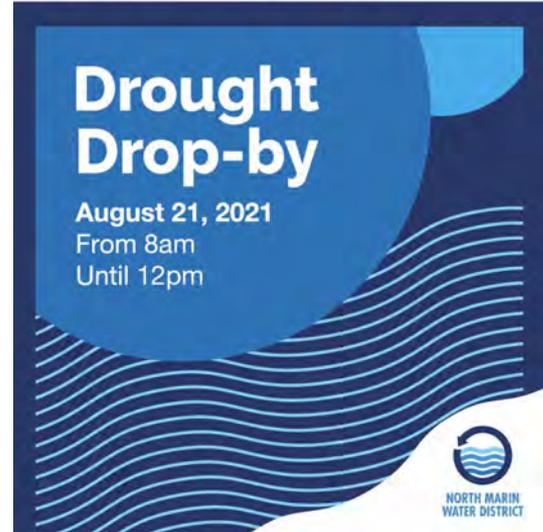
Save water now by replacing inefficient toilets with new high-efficiency models. We offer rebates up to \$100 per high-efficiency toilet (HET) and up to \$150 per ultra high-efficiency toilet (UHET) when customers change their non-water conserving toilets. Visit nmwd.com/drought for more water saving tips. #droughtishere #savewater #cadrought



56 people reached | 0 engagements

 North Marin Water District
20 August · 🌐

North Marin Water District is holding another Drought Drop-by event on Saturday, August 21. 🌊 Make sure to stop by and get your free Drought Tool Kit. COVID-19 safety procedures will be in place. Visit NMWD.com/drought-drop-by for more details. #savewater #droughtishere #northmarinwaterdistrict #cadrought



471 people reached | 10 engagements

Engagements include likes, reactions, clicks and comments





August Social Media Highlights | Facebook

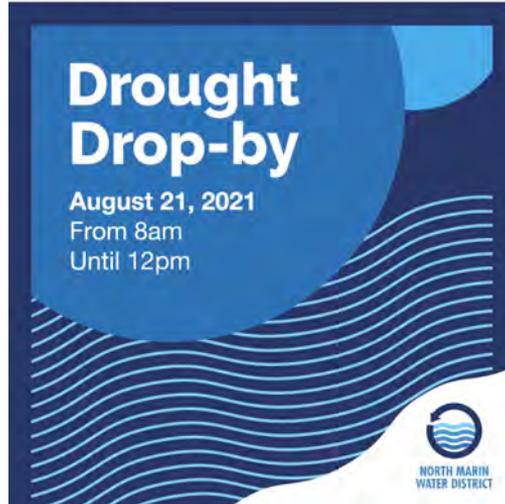


North Marin Water District

20 August · 🌐

Tomorrow, Saturday, from 8am to 12noon, stop by North Marin Water District, 999 Rush Creek Place, Novato to get your FREE Drought Tool Kit which will include a section of the following:

- faucet aerator
- toilet dye test tablets
- shower head
- bucket... See more



3,187 people reached | 18 engagements



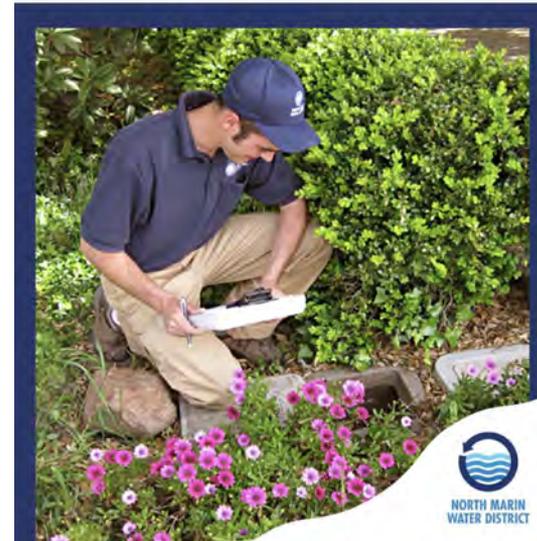
North Marin Water District

22 August · 🌐

Did you know North Marin Water District's largest conservation efforts focus on reducing summer water demand?

What are some of your tips for summer water conservation?

#savewater #caddrought #drought #northmarinwaterdistrict



106 people reached | 2 engagements

Engagements include likes, reactions, clicks and comments





August Social Media Highlights | Facebook

 North Marin Water District
24 August · 🌐

Operating a decorative water fountain that does not recirculate water is prohibited. Visit [NMWD.com/drought](https://nmwd.com/drought) for more information.
#droughtishere #savewater



**New Drought Rules:
Water Fountains**

For more info visit:
nmwd.com/drought



NORTH MARIN
WATER DISTRICT

72 people reached | 1 engagement

Engagements include likes, reactions, clicks and comments

 North Marin Water District
4d · 🌐

Under the new drought prohibitions, Novato customers are only allowed to use overhead/above ground irrigation up to three days per week. Odd numbered street addresses may water Monday, Wednesday, Friday. Even numbered street addresses may water Tuesday, Thursday, Saturday. Visit [NMWD.com/drought](https://nmwd.com/drought) for more information. #droughtishere #savewater



**New Drought Rules:
Landscape
Irrigation**

For more info visit:
nmwd.com/drought



NORTH MARIN
WATER DISTRICT

66 people reached | 0 engagements





August Social Media Highlights | Facebook

 North Marin Water District
1d · 🌐

Remember to turn off the water while you lather, shave or brush your teeth. It will help save water. 💧 Visit [NMWD.com/drought](https://nmwd.com/drought) for more information. #droughtishere #cadrought #northmarinwaterdistrict



**Drought is Here.
Save Water.**

Save water now by turning off the water whilst you lather with soap, shave or brush your teeth.

 For more water saving tips visit nmwd.com/drought


NORTH MARIN
WATER DISTRICT

55 people reached | 0 engagements

Engagements include likes, reactions, clicks and comments





August Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Aug 4

...

Did you know, under the new prohibitions, dining establishments will only bring customers a glass of water upon request? For more information, visit [NMWD.com/drought](https://nmwd.com/drought) #droughtishere #savewater



North Marin Water District @NorthMarinWater · Aug 6

...

August is #NationalWaterQualityMonth! Did you know that North Marin Water District drinking water surpasses all national and state standards? Learn more: nmwd.com/wq





August Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Aug 11

The Saving Water Challenge has been extended until August 31! Join and discover how small changes can make a big impact when it comes to saving water. See how many of the 31 water-saving tips you can adopt to reduce water use inside and outside your home. nmwd.com/drought-is-her...



North Marin Water District @NorthMarinWater · Aug 13

Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: nmwd.com/meetings





August Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Aug 16

A \$150,000 study has been approved for the District to explore options for expanding local water supply in our Novato Service Area. Learn more:



North Marin Water District study will explore optio...

A \$150,000 study has been approved for North Marin Water District to explore options for ...

nmwd.com



North Marin Water District @NorthMarinWater · Aug 19

Under the new drought prohibitions, customers must use a hose with an automatic shut-off nozzle when washing vehicles, trailers, and boats. Visit [NMWD.com/drought](https://nmwd.com/drought) for more information. #droughtishere #savewater





August Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Aug 19 ...

We offer rebates up to \$100 per high-efficiency toilet (HET) and up to \$150 per ultra high-efficiency toilet (UHET) when customers change their non-water conserving toilets. Visit nmwd.com/drought for more water saving tips. #savewater #droughtishere #cadrought

**It's a dry year.
Save water with us.**

Save water now by replacing inefficient toilets with new high-efficiency models.

 **For more water saving tips visit**
nmwd.com/save-water



North Marin Water District @NorthMarinWater · Aug 20 ...

North Marin Water District is holding a second Drought Drop-by event on Saturday, August 21. Stop by and get your FREE Drought Tool Kit! Visit NMWD.com/drought-drop-by for more details. #savewater #droughtishere #northmarinwaterdistrict #cadrought

Drought Drop-by

August 21, 2021
From 8am
Until 12pm





August Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Aug 20 ...

Our Drought-Drop by event is happening tomorrow from 9am to 1pm at North Marin Water District, 999 Rush Creek Place, Novato! Make sure to come by and collect your FREE drought tool kit. [#savewater](#) [#cadrought](#) [#northmarinwaterdistrict](#) [#bayarea](#)



North Marin Water District @NorthMarinWater · Aug 24 ...

Operating a decorative water fountain that does not recirculate water is prohibited. Visit [NMWD.com/drought](https://nmwd.com/drought) for more information. [#droughtishere](#) [#savewater](#)





August Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Aug 27 ...

Novato customers are only allowed to use overhead/above ground irrigation up to 3 days per week. Odd numbered street addresses may water Monday, Wednesday, Friday. Even numbered street addresses may water Tuesday, Thursday, Saturday. Visit [NMWD.com/drought](https://nmwd.com/drought) for details.



North Marin Water District @NorthMarinWater · Aug 31 ...

Remember to turn off the water while you lather, shave or brush your teeth. It will help save water. 💧 Visit [NMWD.com/drought](https://nmwd.com/drought) for more information. [#droughtishere](https://twitter.com/droughtishere) [#cadrought](https://twitter.com/cadrought) [#northmarinwaterdistrict](https://twitter.com/northmarinwaterdistrict)





August Social Media Highlights | Instagram

Board of Directors Meeting

Tuesday, August 3rd
6:00pm

northmarinwaterdistrict · Follow ...

northmarinwaterdistrict Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting tomorrow evening at 6PM. See the agenda for how to join by phone or Zoom: [NMWD.com/meetings](https://www.nmwd.com/meetings)

4 w

1 like

AUGUST 1 2020

Add a comment...

1 likes

New Drought Rules: Serving Water

For more info visit: [nmwd.com/drought](https://www.nmwd.com/drought)

northmarinwaterdistrict · Follow ...

northmarinwaterdistrict Did you know, under the new prohibitions, dining establishments will only bring customers a glass of water upon request? For more information, visit the link in our bio. #droughtishere #savewater

3 w

5 likes

AUGUST 4

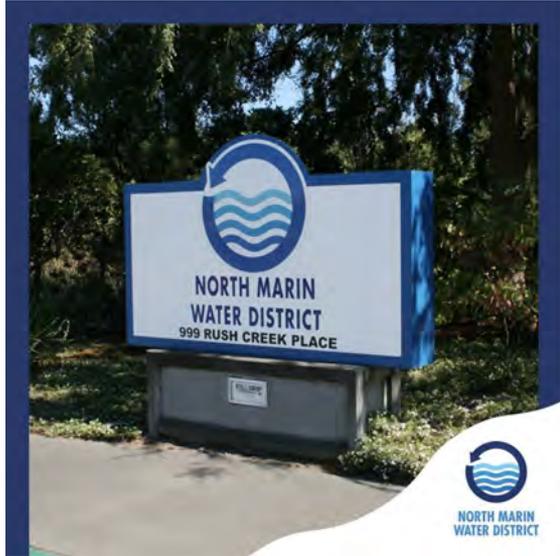
Add a comment...

5 likes





August Social Media Highlights | Instagram



6 likes

northmarinwaterdistrict · Follow ...

northmarinwaterdistrict August is #NationalWaterQualityMonth! Did you know that North Marin Water District drinking water surpasses all national and state standards? Learn more: www.nmwd.com/wq

3 w

6 likes

AUGUST 6

Add a comment...



7 likes

northmarinwaterdistrict · Follow ...

northmarinwaterdistrict The Saving Water Challenge has been extended until August 31! Join the Saving Water Challenge and discover how small changes can make a big impact when it comes to saving water. See how many of the 31 water-saving tips you can adopt to reduce water use inside and outside your home. Link in bio.
#savewater #droughtishere #cadrought #northmarinwaterdistrict

2 w

7 likes

AUGUST 11

Add a comment...





August Social Media Highlights | Instagram

Board of Directors Meeting

Tuesday, August 17th
6:00pm

northmarinwaterdistrict · Follow ...

northmarinwaterdistrict Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting tomorrow evening. See the agenda for how to join by phone or Zoom: nmwd.com/meetings

2 w

4 likes
AUGUST 16

Add a comment...

4 likes

**New Drought Rules:
Washing Vehicles**

For more info visit:
nmwd.com/drought

northmarinwaterdistrict · Follow ...

northmarinwaterdistrict Under the new drought prohibitions, customers must use a hose with an automatic shut-off nozzle when washing vehicles, trailers, and boats. Visit NMWD.com/drought for more information. #droughtishere #savewater

1 w

7 likes
AUGUST 19

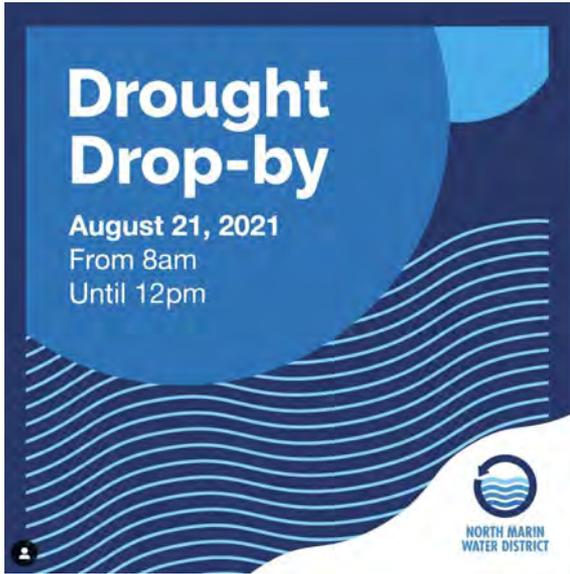
Add a comment...

7 likes





August Social Media Highlights | Instagram



7 likes

 northmarinwaterdistrict • Follow ...
North Marin Water District

 northmarinwaterdistrict North Marin Water District is holding another Drought Drop-by event on Saturday, August 21. Make sure to stop by and get your free Drought Tool Kit. COVID-19 safety procedures will be in place. Visit [NMWD.com/drought-drop-by](https://nmwd.com/drought-drop-by) for more details. (Link in bio) #savewater #droughtishere #cadrought #northmarinwaterdistrict

   
7 likes
AUGUST 20
 Add a comment...



5 likes

 northmarinwaterdistrict • Follow ...

 northmarinwaterdistrict Operating a decorative water fountain that does not recirculate water is prohibited. Visit [NMWD.com/drought](https://nmwd.com/drought) for more information (link in bio). #droughtishere #savewater

   
5 likes
AUGUST 24
 Add a comment...





August Social Media Highlights | Instagram

**New Drought Rules:
Landscape
Irrigation**

For more info visit:
nmwd.com/drought

northmarinwaterdistrict • Follow ...

northmarinwaterdistrict Under the new drought prohibitions, Novato customers are only allowed to use overhead/above ground irrigation up to three days per week. Odd numbered street addresses may water Monday, Wednesday, Friday. Even numbered street addresses may water Tuesday, Thursday, Saturday. Visit NMWD.com/drought for more information. #droughtishere #savewater

1 d

4 likes
1 DAY AGO

Add a comment...

NORTH MARIN WATER DISTRICT

4 likes



Drought is Here. Save Water. Email



4 Brown Ct
612702

Dear April,

We are experiencing a second consecutive dry year with unprecedented low rainfall levels resulting in water storage well below average. The District has taken measures in the Novato Service Area to preserve water supply during this drought by enacting Emergency Water Conservation Ordinance 41, which contains water waste and non-essential water use prohibitions.

Click below to direct you to: the Novato Service Area Drought Guide which contains a list and summary of the water use prohibitions for 2021; the Novato Service Area Drought Frequently Asked Questions; the latest issue of the Novato Waterline Newsletter (Spring 2021) and; the Water Waste Reporting Form. Thank you for your efforts to help us save water during this drought.

[Novato Service Area Drought Guide](#)

[Novato Service Area Drought FAQs](#)

[Spring 2021 Novato Waterline Newsletter](#)

[Water Waste Reporting Form](#)

Sincerely,
North Marin Water District

This email was sent to njrdssc@nrmwd.com from North Marin Water District and refers to account 612702 with service at 4 Brown Ct.

Change your [communication preferences](#) or [unsubscribe](#).



West Marin Drought Mailer

Be a good neighbor. Tips to help reduce your water usage during the drought.



Water your landscape efficiently. Follow new rules for when you can irrigate! (See reverse.)



Turn off the water while you lather, shave, or brush your teeth.



Replace an inefficient toilet with a new high-efficiency model (rebates available).



Find and fix leaks! Check your WaterSmart portal and/or water meter regularly and perform a toilet dye test.



Don't run the dishwasher or washing machine unless they are full.



Sweep off patios, decks, sidewalks and driveways with a broom rather than a hose.



Get a rebate of up to \$800 per household for replacing lawn areas with low water use landscape.



Re-landscape with low water use plants. Look for the "water smart plant" label at local nurseries.

For more info visit nmwd.com/drought

PRSRT STD
US POSTAGE
PAID
UNICORN GROUP
ECRWS

POSTAL CUSTOMER



NORTH MARIN
WATER DISTRICT

2021 Drought Rules

The following mandatory measures are now in effect:



Gutter Flooding

Unreasonable irrigation overspray or run-off to the curb or gutter is prohibited.



Water Leaks

Check for leaks in your home! Leaks must be fixed no later than 3 days after being found.



Washing Vehicles

You must use a hose with an automatic shut-off nozzle when washing vehicles, trailers, and boats.



Washing Paved Areas

Don't use potable water to clean paved areas. Instead, use a broom to keep your patios, decks, sidewalks, and driveways clean.



Swimming Pools

There are new prohibitions about filling new swimming pools and refilling drained pools during the drought.



Water Fountains

Operating a decorative water fountain that does not recirculate water is prohibited.



Serving Water

Dining establishments will only bring customers a glass of water upon request.



Landscape Irrigation

West Marin customers may only use overhead/above ground spray irrigation one day per week and drip irrigation two days per week.



NORTH MARIN
WATER DISTRICT



Novato Drought Mailer

Be a good neighbor.

Tips to help reduce your water usage during the drought.



Water your landscape efficiently. Follow new rules for when you can irrigate! (See reverse.)



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PRSR STD
US POSTAGE
PAID
UNICORN GROUP
ECRWSS

POSTAL CUSTOMER



NORTH MARIN
WATER DISTRICT

For more info visit nmwd.com/drought

New Drought Rules

The Novato Service Area is required to reduce water use by 20% compared to the same period last year. The following mandatory measures are now in effect:



Gutter Flooding

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Water Leaks

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Landscape Irrigation

Novato customers may only use overhead/above ground spray irrigation up to three days per week.

Odd numbered street addresses may water Monday, Wednesday, Friday.

Even numbered street addresses may water Tuesday, Thursday, Saturday.



NORTH MARIN
WATER DISTRICT



Drought Drop-By: Boosted Facebook Post

North Marin Water District
Published by Hootsuite · August 20 at 9:01 AM ·

Tomorrow, Saturday, from 8am to 12noon, stop by North Marin Water District, 999 Rush Creek Place, Novato to get your FREE Drought Tool Kit which will include a section of the following:

- faucet aerator
- toilet dye test tablets
- shower head
- bucket... [See More](#)

Drought Drop-by
August 21, 2021
From 8am
Until 12pm

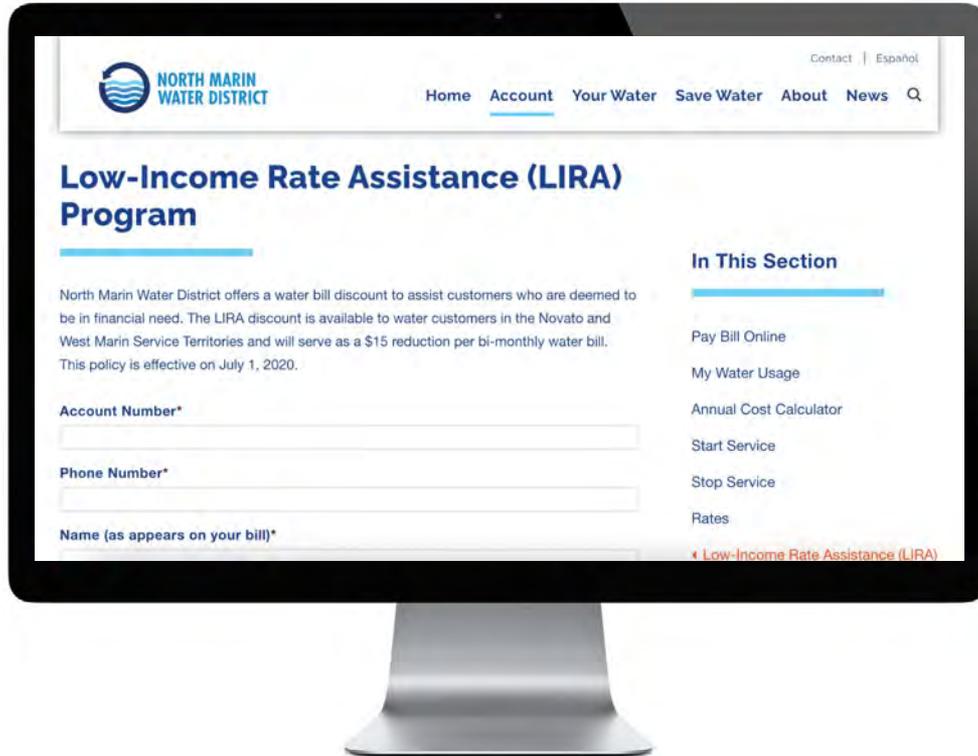
North Marin Water District
Public Utility Company

[Learn More](#)

- \$50 budget spend
- Boosted for one day
- Reach: 2,915
- Clicks: 26
- Engagements: 47
- Shares: 5
- Audience: Novato, CA residents; Age 18 to 65+



New Secure 'My Account' Web Forms



Kiosk replaced three existing forms on the website with new, secure forms for additional data security:

- [Start Service](#)
- [Stop Service](#)
- [Low Income Rate Assistance](#)

This web form require a high level of data security since they are collecting personally identifiable information (PII).



New Secure 'Water Waste Report' Form



Kiosk created a new page with a secure form to allow site users to report water waste incidents.

This web form require a high level of data security since they are collecting personally identifiable information (PII).

- [Water Waste Report Form](#)



What's Next?

- Photoshoot dates: August 27 and September 9, 2021
- News story on water conservation for fire prevention efforts
- Social media posts for September 2021
- Fall 2021 Waterline newsletter
- Update cover image and profile picture on Nextdoor



Thank You