

NOTICE OF BOARD OF DIRECTORS' REGULAR BI-MONTHLY MEETING

MEETING DATE: 07-19-2022

TIME: Meeting begins at **6:00 p.m. (Public)**
Closed Session begins at or after **6:01 p.m. (Only Board and Staff)**
Open Session for the public begins at **or after 7:30 p.m. (Public)**

LOCATION: This meeting will be held virtually, pursuant to Assembly Bill (AB) 361.

To participate online, go to <https://us06web.zoom.us/j/88134852296>. You can also participate by phone by calling **1-669-900-6833** and entering the **webinar ID#: 881 3485 2296**.

PARTICIPATION DURING MEETINGS: During the public comment periods, the public may comment by clicking the "raise hand" button on the bottom of the Zoom screen; if you are joining by phone and would like to comment, press *9 and we will call on you as appropriate.

EMAILED PUBLIC COMMENTS: You may submit your comments in advance of the meeting by emailing them to BoardComment@MarinWater.org. All emailed comments received by 3 p.m. on the day of the meeting will be provided to the Board of Directors prior to the meeting. All emails will be posted on our website. **(Please do not include personal information in your comment that you do not want published on our website such as phone numbers and home addresses.)**

AGENDA ITEMS	RECOMMENDATIONS
Call to Order and Roll Call* at 6:00 p.m.	
Adoption of Agenda	<i>Approve</i>

Public Comment – Only on Items on the Closed Session

Comments will be limited to three (3) minutes per speaker, and time limits may be reduced by the board president to accommodate the number of speakers and ensure that the meeting is conducted in an efficient manner.

AGENDA ITEMS**RECOMMENDATIONS**

Convene to Closed Session at after 6:01 p.m.

(Only the Board of Directors and staff will participate)

Closed Session Items

1. Conference with Legal Counsel – Anticipated Litigation

(Government Code §54956.9)

Number of Cases: Unknown

(Approximate time 30 minutes)

2. Conference with Legal Counsel – Anticipated Litigation

(Government Code §54956.9)

Number of Cases: Unknown

(Approximate time 30 minutes)

3. Conference with Real Property Negotiators*

(Government Code §54956.8)

Property: APNs 197-120-21; 197-20-40 (Mt. Tamalpais – Middle Peak and Building 402)

Agency Negotiator: Ben Horenstein, General Manager

Negotiating Parties: Everest Infrastructure Partners, American Tower, LLC

Under Negotiation: Price and Terms

(Approximate time 30 minutes)

*This closed session item may be continued after the last agenda item of the open meeting.

Convene to Open Session at or after 7:30 p.m.

Closed Session Report Out

Public Comment - Items Not on the Agenda

Members of the public may comment on any items not listed on the agenda during this time. Comments will be limited to three (3) minutes per speaker, and time limits may be reduced by the board president to accommodate the number of speakers and ensure that the meeting is conducted in an efficient manner.

Directors' and General Manager's Announcements & Committee Reports

(7:40 p.m. – Time Approximate)

AGENDA ITEMS**RECOMMENDATIONS****Consent Calendar (7:45 p.m. – Time Approximate)**

All matters listed on the consent calendar are considered to be routine and will be enacted by a single action of the Board, unless specific items are removed from the consent calendar by the Board during adoption of the agenda for separate discussion and action.

4. Minutes of the Board of Directors' Special Meeting of June 28, 2022 and Regular Bi-Monthly Meeting of July 5, 2022	<i>Approve</i>
5. General Manager's Report June 2022	<i>Approve</i>
6. Resolution Authorizing Award of Contract No. 1969, Fire Flow Improvement Program Treehaven Pipeline Replacement Project, to Argonaut Contractors	<i>Approve</i>
Regular Calendar (7:50 p.m. – Time Approximate)	
7. Grant and Legislative Update (Approximate time 20 minutes)	<i>Information</i>
8. Strategic Water Supply Assessment – Review of Water Supply Alternatives (Interties, Sonoma County Based Options and Local Storage Enhancement) (Approximate time 60 minutes)	<i>Information</i>
9. Future Meeting Schedule and Agenda Items (Approximate time 5 minutes)	<i>Information</i>
Continuation of Closed Session Item & Report Out* *This will occur only if the board did not finish discussing the last closed session item.	
Adjournment (9:45 p.m. – Time Approximate)	

ADA NOTICE AND HEARING IMPAIRED PROVISIONS:

In accordance with the Americans with Disabilities Act (ADA) and California Law, it is Marin Water's policy to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are an individual with a disability and require a copy of a public hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodations, please contact Board Secretary Terrie Gillen at 415.945.1448, at least two days in advance of the meeting. Advance notification will enable the Marin Water to make reasonable arrangements to ensure accessibility.

INFORMATION AGENDAS ARE AVAILABLE FOR REVIEW AT THE CIVIC CENTER LIBRARY, CORTE MADERA LIBRARY, FAIRFAX LIBRARY, MILL VALLEY LIBRARY, MARIN WATER OFFICE, AND ON THE MARIN WATER WEBSITE (MARINWATER.ORG)

FUTURE BOARD MEETINGS:

- ❖ Thursday, July 28, 2022
Board of Directors' Special Meeting
Strategic Water Supply Assessment – Virtual Community Workshop #3
5:00 p.m.
- ❖ Tuesday, August 2, 2022
Board of Directors' Regular Bi-Monthly Meeting
7:30 p.m.



Board Secretary

Approval Item

TITLE

Minutes of the Board of Directors' Special Meeting of June 28, 2022, and Regular Bi-Monthly Meeting July 5, 2022

RECOMMENDATION

Approve the adoption of the minutes

SUMMARY

On June 28, 2022, the Board of Directors (Board) had a special meeting of the *Strategic Water Supply Assessment Working Session V*. Then, on July 5th, the Board had its regular bi-monthly meeting. The minutes of both meetings are attached.

DISCUSSION

None

FISCAL IMPACT

None

ATTACHMENT(S)

1. Minutes of the Board of Directors' Special Meeting of June 28, 2022
2. Minutes of the Board of Directors' Regular Bi-Monthly Meeting of July 5, 2022

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Communications & Public Affairs Department	 Terrie Gillen Board Secretary	 Ben Horenstein General Manager

**MARIN MUNICIPAL WATER DISTRICT
BOARD OF DIRECTORS' SPECIAL MEETING**

**STRATEGIC WATER SUPPLY ASSESSMENT WORKING SESSION V
MINUTES**

Tuesday, June 28, 2022

Via teleconference

(In accordance with Government Code Section §54953e/Assembly Bill 361)

DIRECTORS PRESENT: Larry Bragman, Jack Gibson, Cynthia Koehler, Monty Schmitt, and Larry Russell

DIRECTORS ABSENT: None

CALL TO ORDER AND ROLL CALL

Executive Assistant to the General Manager and acting Board Secretary, Charisse Beronilla, did roll call of the directors present.

DISCUSSION ITEM:

1. Strategic Water Supply Assessment – Initial Review of Water Management Options

Water Resources Director Paul Sellier provided a synopsis of past discussion on the water supply assessment and a review of the topics for this working session, which focused on an overview of water supply options and preliminary engineering cost estimates.

Project consultants from Jacobs Engineering Group provided a PowerPoint presentation on water supply options and preliminary estimated costs. Jim Lozier discussed desalination options: Option 1 - Marin Regional Desalination Facility, Option 2 - Containerized Desalination Facility, and Option 3 - Bay Area Regional Desalination Facility. Ryujiro Tsuchihashi discussed recycled water options: Option 1 – Non-Potable Reuse Expansion, Option 2 – Indirect Potable Reuse, Option 3 – In-Lieu for Streamflow Release, and Option 4 – Direct Potable Reuse. Marcelo Reginato discussed local storage augmentation options: Option 1 - Raising Soulajule Dam, Option 2 - Dredging Nicasio Lake, and Option 3 - Movable spillway gates. Armin Munerva discussed options of the District's Sonoma-Marín Partnerships: Option 1 – Maximize Use of Sonoma Water in winter, Option 2 – Develop Dedicated Conveyance to Soulajule or Nicasio Reservoirs, Option 3 – Groundwater Well Rehabilitation, and Option 4 – Regional Groundwater Bank. Estimated costs were provided during the presentation.

Mr. Munerva also mentioned water purchases with conveyance through Bay interties. He

spoke about the possible options of an East Bay Municipal Utilities District (EBMUD) Intertie, Contra Costa Water District (CCWD) Intertie, North Bay Aqueduct Intertie, and San Francisco Public Utilities Commission (SFPUC) Intertie.

The Board of Directors asked questions and discussed the materials presented. There were five (5) comments from members of the public.

ADJOURNMENT

No action was taken and the special meeting adjourned at approximately 7:05 p.m.

Board Secretary

**MARIN MUNICIPAL WATER DISTRICT
BOARD OF DIRECTORS**

MEETING MINUTES

Tuesday, July 5, 2022

Via teleconference

(In accordance with Assembly Bill 361)

DIRECTORS PRESENT: Larry Bragman, Jack Gibson, Cynthia Koehler, Monty Schmitt, and Larry Russell

DIRECTORS ABSENT: None

CALL TO ORDER AND ROLL CALL

President Russell called the meeting to order at 7:30 p.m.

ADOPTION OF AGENDA

On motion made by Director Gibson and seconded by Vice President Schmitt, the board adopted the agenda.

Ayes: Directors Koehler, Schmitt, Bragman, Gibson and Russell

Noes: None

There was no public comment on the adoption of the agenda.

PUBLIC COMMENT – ITEMS NOT ON THE AGENDA

There were three (3) public comments.

DIRECTORS' AND GENERAL MANAGER'S ANNOUNCEMENTS & COMMITTEE REPORTS

General Manager Ben Horenstein announced that as of June 30, 2022, the end of the 2022 fiscal year, the District purchased 8,902 acre feet of water from Sonoma Water, which was the highest amount ever purchased by the District. Director Gibson commented that the purchase and delivery of this water helped the District preserve its reservoir storage levels.

Director Bragman reported that he attended the meter reading with District staff at the Fairfax-San Anselmo Children's Center and that staff was professional and the assessment was completed successfully.

President Russell reported that he and General Manager Ben Horenstein traveled to Washington D.C. to engage in funding advocacy on behalf of the District and met with members of Congress, as well as key staff from the Bureau of Reclaimed Water and the Environmental Protection Agency.

CONSENT CALENDAR (ITEMS 1-5)

- Item 1 Minutes of the Board of Directors' Special Board Meeting of June 14, 2022, and Regular Bi-Monthly Meeting of June 21, 2022**
- Item 2 Resolution Continuing Virtual Board and Committee Meetings Pursuant to Assembly Bill 361**
- Item 3 Sky Oaks Road Retaining Wall Replacement Project**
- Item 4 Barber Avenue Pipeline Replacement Project**
- Item 5 Lease Agreement with T-Mobile (Lease 65)**

On motion made by Director Koehler and seconded by Director Gibson, the board adopted the Consent Calendar.

There were no public comments.

The following roll call vote was made.

Ayes: Directors Koehler, Schmitt, Bragman, Gibson and Russell
Noes: None

REGULAR CALENDAR (ITEMS 6-9)

- Item 6 Watershed Wildfire Incident Review**

Watershed Resources Manager Shaun Horne and Chief Ranger Don Wick provided a presentation on the District's capabilities in managing wildfire events on the watershed, including the two most recent fires. Mr. Horne reviewed the District's equipment inventory, management of the watershed vegetation, and the wildfire cameras network, as well as the County Fire Lookout operations. Chief Wick reported on the District's responses to the Lake and West Peak Fires. Both Mr. Horne and Chief Wick reported on lessons learned and operational enhancements.

There were three (3) public comments.

This was an informational item. The board did not take any formal action.

Item 7 Water Supply Update

Water Resources Director Paul Sellier reported on the current water supply and water supply projections. Then, he provided an update on the Water Supply Assessment. There was board discussion.

There were two (2) public comments.

This was an informational item. The board did not take any formal action.

Item 8 A Resolution Authorizing the General Manager to Issue a Temporary Limited Use Permit for Service From a Hydrant to the Marin County Agricultural Commission for Water for Livestock

Water Resources Director Sellier presented this item and shared that the commissioner of the Marin County Agricultural Commission requested assistance from the District in providing water for livestock to the Dolcini Dairy due to the failure of their local reservoir. The total water use was expected to be less than 5 acre feet of water with service to last until replenishment of the local agricultural reservoir..

On motion made by Director Gibson and seconded by Director Bragman, the board adopted the resolution.

There were no public comments.

The following roll call vote was made.

Ayes: Directors Koehler, Schmitt, Bragman, Gibson and Russell
Noes: None

Item 9 Future Meeting Schedule and Agenda Items

Executive Assistant to the General Manager and acting Board Secretary, Charisse Beronilla, reported on the upcoming internal meetings and external meetings.

There was discussion on the start time and location of the Watershed Resources Management Plan Tour, which included noted correction to 2pm start time.

There was no public comment.

This was an informational item. The board did not take any formal action.

CLOSED SESSION ITEM

President Russell adjourned to closed session.

PUBLIC COMMENT (ONLY ON CLOSED SESSION ITEM)

There were no public comments for the Closed Session item.

CONVENE TO CLOSE SESSION

At approximately 9:10 p.m., the Board of Directors convened to closed session.

Item 10 **Conference with Labor Negotiators**
(California Government Code Section §54957.6)

Agency Designated Representatives: Ben Horenstein, General Manager
Employee Organizations: Service Employees International Union Local 1021;
Unrepresented Employees

RECONVENE TO OPEN SESSION

The Board of Directors reconvened to open session at 10:04 p.m.

CLOSED SESSION REPORT OUT

Per President Russell, the closed session adjourned at 10:04 p.m. He stated that there was no reportable action.

ADJOURNMENT

There being no further business, the regular Board of Directors' meeting of July 5, 2022, adjourned at approximately 10:05 p.m.

Board Secretary

AMENDMENT - Approval Item

TITLE

General Manager's Report June 2022

RECOMMENDATION

Approve Report

SUMMARY**A. HIGHLIGHTS:**

- For the month of June, average daily water production was 22.3 MGD compared to June 2020's production of 30.0 MGD, a 25% reduction.

Correction made: For the month of June, average daily water production was 22.3 MGD compared to June 2020's production of ~~XXX~~30.0 MGD, a 25% reduction.

- Reservoir storage levels were slightly above average storage levels at 85% of capacity by the end of June 2022.
- At the request of the local school in coordination with the Ross Valley Fire Department, the District tested and measured water flows of the public hydrant located near the San Anselmo Children's Center in Fairfax. Measured hydrant flows were over 1,500 gallons per minute, which is a fire department standard to meet flow capacities required for firefighting needs. Staff plans to install a new hydrant with the fire department to further optimize fire protection at the Children's Center.
- The District submitted the annual report to the Division of Safety of Dams for the Districts seven dams, which continue to demonstrate that all seven dams are functioning properly with no items of concern.
- Staff is working with the Kennedy Jenks consultant team to provide a final design scope of services for the Smith Saddle Tanks Project. The final design will involve replacing the existing steel tanks with new pre-stressed concrete tanks, which will seismically harden these transmission storage tanks. The tanks will be designed to balance with the future Pine Mountain Tanks to provide improved system resiliency into the Ross Valley area that serves approximately 44,000 customers.
- Staff facilitated the initial start-up testing of the San Geronimo Treatment Plant Emergency Generators, which now permanently provide emergency generator backup power to the Districts largest water treatment plant. This system became operational on June 30, ahead of any potential PG&E Public Safety Power Shutoffs and will continue to ensure uninterrupted water treatment regardless of PG&E power supply.

- Staff have completed the first major section of the East Blithedale Pipeline Replacement Project. This project has required extensive collaboration between the District, City of Mill Valley and Contractors to minimize the impacts to community and traffic along the East Blithedale corridor. Community members and Mill Valley staff have recognized the District for the ongoing commitment to minimize impacts to the community during construction.
- Staff continues to progress work under the Biodiversity, Fires, and Fuels Integrated Plan to improve watershed resiliency through managing invasive species and restoring forests in an effort to reduce wildfire risk. Through the month of June staff and contractors focused work on yellow star thistle, Douglas fir abatement, and fine fuel management around visitor facilities.
- The District kicked off the Watershed Recreation Management Planning process to identify strategies for balancing the goals of various Mount Tamalpais Watershed visitors with protection of the watershed's unique biodiversity, habitat, and water resources. Staff hosted the first Community Workshop on June 6th, which was attended by over 100 community members.
- Through the month of June staff responded to three small fires on the watershed and successfully coordinated wildfire response with supporting agencies. All the fires were extinguished successfully in a timely manner with no major impacts to District facilities or lands.
- In an effort to continue to enhance fisheries habitat in Lagunitas Creek staff has been advancing restoration designs with grant funding from the California Department of Fish and Wildlife. In June the District was awarded a \$1.4 million implementation grant from the US Bureau of Reclamation for three of the habitat restoration sites currently being planned for Lagunitas Creek - this work is anticipated to begin in 2024.
- Staff continues to assess the financial impact of decreased water sales revenue and will have the preliminary analysis for FY22 & FY23 as part of the August Finance Committee meeting.
- Staff is implementing extended payment plans for past due customer accounts and will resume pre-pandemic delinquent account practices in August.
- Staff completed 38 Conservation Assistance Program site visits, one of which assisted a residential customer in locating a 10,000 gallon per day leak.
- Turf Conversion 26 new applications in June, which is consistent for what we have seen each month since the start of the new year.
- Work on the Strategic Water Supply Assessment continues as staff and the consulting team develop and present more detailed descriptions of the supply alternatives and refine cost estimates.

DISCUSSION

B. SUMMARY:

AF = Acre Feet

Mg/L = milligrams per liter

MPN = most probable number

MPY = mils per year

MG = million gallons

NTU = nephelometric turbidity units

1. Water Production:

	FY 2021/22		FY 2020/21	
	(million gallons)	(acre-feet)	(million gallons)	(acre-feet)
Potable				
Total production this FY	6,652	20,414	8,465	25,979
Monthly production, June	670	2,057	707	2,169
Daily average, June	22.34	68.56	23.56	72.29
Recycled				
Total production this FY	211.44	648.89	58.74	180.25
Monthly production, June	31.85	97.74	30.97	95.04
Daily average, June	1.06	3.26	1.03	3.17
Raw Water				
Total production this FY	44.22	135.71	55.60	170.63
Monthly production, June	10.30	31.61	5.47	16.79
Daily average, June	0.34	1.05	0.18	0.56
Imported Water				
Total imported this FY	2,899	8,896	2,451	7,521
Monthly imported, June	395	1,211	248	762
Reservoir Storage				
Total storage, May	22,044	67,652	11,473	35,209
Storage change during June	-753	-2,312	-777	-2,383
Stream Releases				
Total releases this FY	3,323	10,198	3,960	12,152
Monthly releases, June	241	740	356	1,091

2. <u>Precipitation:</u>	<u>FY 2021/22 (in.)</u>	<u>FY 2020/21 (in.)</u>
Alpine	49.20	23.52
Bon Tempe	44.37	19.20
Kent	44.78	20.97
Lagunitas *	49.55	20.66
Nicasio	28.98	13.60
Phoenix	49.70	18.66
Soulajule	33.12	13.84
* Average to date = 52.27 inches		

3. Water Quality:

<u>Laboratory:</u>	<u>FY 2021/22</u>	<u>FY 2020/21</u>
Water Quality Complaints:		
Month of Record	20	16
Fiscal Year to Date	180	169
Water Quality Information Phone Calls:		
Month of Record	16	16
Fiscal Year to Date	137	142

The WQ lab ensured that the water supplied met or surpassed water quality regulations by collecting and analyzing 2,306 analyses on lakes, treatment plants and distribution system samples.

Complaint Flushing: No flushing events were performed for this month on record.

Tank Survey Program: 12 water storage tank sanitary surveys were performed during the month. 46.12 % planned survey program has been completed for calendar year 2022.

Disinfection Program: 2,737' of new pipeline was disinfected during the month. Performed chlorination's on 34 water storage tanks to ensure compliance with bacteriological water quality regulations.

Tank Water Quality Monitoring Program: Performed 47 water quality-monitoring events on storage tanks for various water quality parameters this month to help ensure compliance with bacteriological water quality regulations.

Summary:

The lab performed 12 sanitary tank surveys, treated 34 tanks for low chlorine, and checked an additional 47 tanks for low chlorine residual in June 2022.

4. Water Treatment:

<u>Treatment Results</u>	<u>San Geronimo</u>		<u>Bon Tempe</u>		<u>Ignacio</u>	
	Average	Monthly	Average	Monthly	Average	Monthly
	Goal		Goal		Goal	
Turbidity (NTU)	0.07	≤ 0.10	0.04	≤ 0.10	0.05	≤ 0.10
Chlorine residual (mg/L)	2.69	2.75 *	2.67	2.75 *	2.88	2.75 *
Color (units)	1.2	≤ 15	0.3	≤ 15	0.2	≤ 15
pH (units)	7.8	7.8*	7.9	7.8*	8.1	8.1**

* Set monthly by Water Quality Lab

** pH to Ignacio is controlled by SCWA

5. Capital Improvement:

a. San Geronimo Treatment Plant Permanent Emergency Generator Project

Summary: This project involves the installation of emergency generators, electrical equipment, fuel storage tanks and site grading all within the community of Woodacre.

- Project Budget: \$5,375,600
- Monthly Activities: Generators, fuel tanks, and the transformer have been installed at the project site. The generators have been functionally load-tested

for approximately 4 hours with satisfactory results. The system is ready to provide emergency backup power to the treatment plant in manual mode as of June 30, 2022. Live testing of the generators with loads from the treatment plant is to be performed by District staff in July. All improvements including asphalt, concrete, and the electrical building structure have been completed. The Contractor continues work onsite to install generator platforms, system lighting, and other miscellaneous contract items. Completion of automatic fueling and power transfer systems are pending, and anticipated to be complete November 2022.

- b. Fire Flow Improvement Program Ridge Road Pipeline Replacement Project (F21002)
Summary: This project involves installing 5,310 feet of old leak prone, fire flow deficient pipe in the Town of Tiburon.
- Project Budget: \$2,284,120
 - Monthly Activities: The Ridge Road Pipeline Replacement Project is complete and the project is in the close-out process.
- c. San Rafael 3rd Street Pipeline Replacement Project (D17026): This project involves installing approximately 6,570 linear feet of pipe and 54 water service laterals.
- Project Budget: \$4,512,603
 - Monthly Activities: The contractor continues night work on Third Street between Lincoln Avenue and Irwin Street and from San Rafael High School to Mary Street. The majority of water distribution facilities west of Lincoln Avenue have been installed. Project completion anticipated September 2022.
- d. Mill Valley East Blithedale Pipeline Replacement Project (D20021): This project involves installing 5,490 feet of pipe to replace 100-year old pipe in coordination with Mill Valley's road paving project.
- Project Budget: \$3,154,237
 - Monthly Activities: All water facilities between Camino Alto and Alta Vista Avenue have been installed. Water main is currently being installed between Alta Vista Avenue and Elm Avenue near Park Elementary School. Contractor anticipates beginning the final segment of work (between Elm Avenue West and Millwood Street) early July 2022. District Construction Management Team is working collaboratively with the City of Mill Valley and their paving contractor to coordinate joint project schedules and mitigate traffic impacts. Overall project completion anticipated early September 2022.

- e. Pine Mountain Tanks Phase 1 – Rough Grading Project (D21043): This project is phase one of a multi-year two phased project that will ultimately install two new water tanks within the watershed to replace the existing Pine Mountain Tunnel. This phase one project involves performing site clearing and grubbing, excavation of approximately 30,000 cubic yards of hillside, site grading, site drainage improvements and the construction of a soil nail retaining wall.
- Project Budget: \$7,734,575
 - Monthly Activities: The project is currently being kicked off with the submission and review of submittals and requests for information. Construction is estimated to commence early August 2022.

6. Other:

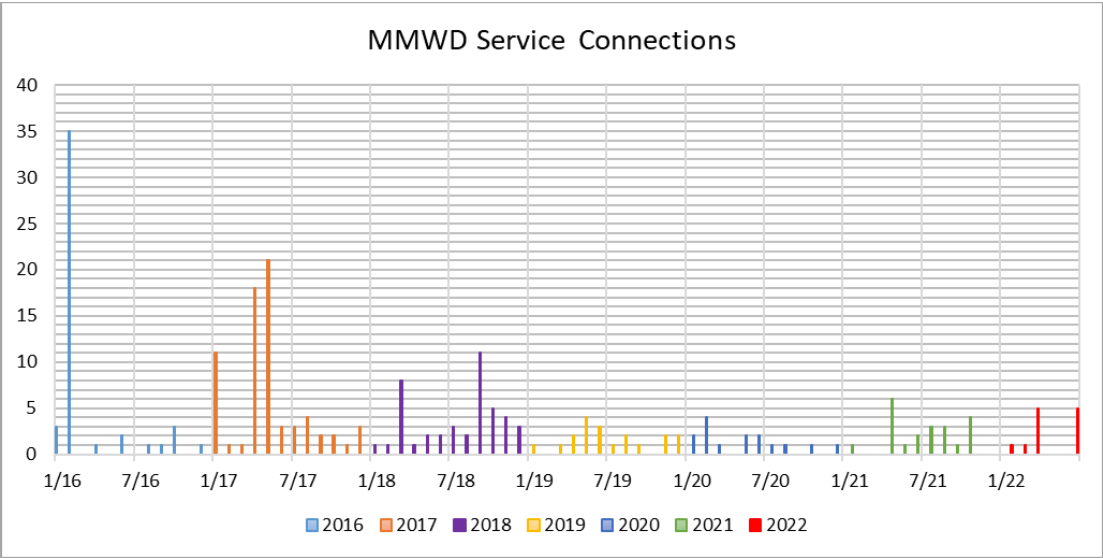
<u>Pipeline Installation</u>	<u>FY2021/22</u>	<u>FY2020/21</u>
Pipe installed during June (feet)	829	2,161
Total pipe installed this fiscal year (feet)	25,385	20,847
Total miles of pipeline within the District	908*	908*

** Reflects adjustment for abandoned pipelines*

<u>Pipe Locates (952 Responses)</u>	<u>FY2021/22</u>	<u>FY2020/21</u>
Month of June (feet)	20,527	53,055
Total this fiscal year (feet)	396,446	498,322

<u>Main Line Leaks Repaired:</u>	<u>FY2021/22</u>	<u>FY2020/21</u>
Month of June	17	13
Total this fiscal year	169	143

<u>Services:</u>	<u>FY2021/22</u>	<u>FY2020/21</u>
Service upgrades during June	9	14
Total service upgrades this FY	151	173
Service connections installed during June	5	2
Total active services as of July 1, 2022	60,399	60,495



7. Demand Management:

	<u>Jun-22</u>	<u>FY 21/22</u> <u>TOTAL</u>	<u>FY 20/21</u> <u>TOTAL</u>	<u>FY 19/20</u> <u>TOTAL</u>
WATER-EFFICIENCY PROGRAMS				
Water-Use Site Surveys				
Conservation Assistance Program (CAP) Consultations				
Residential properties resi 1-2 (single-family)	38	738	117	127
Residential properties resi 3-5 (multi-family units)	0	6	5	30
Non-residential properties resi 6-7 (commercial)	0	2	5	3
Dedicated irrigation accounts resi 8-10 (large landscape)	1	3	6	-
Marin Master Gardeners' Marin-Friendly Garden Walks			0	
Residential garden walks	10	119	129	91
CYES Water/Energy Surveys			0	
Residential surveys (on hold due to pandemic)	0	0	0	86
Public Outreach and Education, Customer Service			0	
Public outreach events (number of people attending)	700	1602	0	1,150
Public education events (number of participants)	0	160	0	-
Laundry-to-Landscape Graywater webinars (participants)	46	166	397	-
Customer calls/emails admin staff	596	9439	5738	2,230
School Education			0	
School assemblies			0	
Number of activities	0	0	0	15
Number of students reached	0	0	0	6,349
Field trips			0	
Number of activities	0	0	0	11
Number of students reached	0	0	0	91
Classroom presentations	0		0	
Number of activities	0	0	1	11
Number of students reached	0	0	22	305
Other (e.g. booth events, school gardens)			0	
Number of activities	0	0	0	-
Number of students reached	0	0	0	-
Incentives			0	
Number of HECWs approved	15	190	163	53
Number of Rain Barrel/Cisterns approved	3	77	19	4
"Landscape Your Lawn" Turf Replacements approved	26	402	6	
Number of Laundry-to-Landscape Systems approved	0	26	0	-
Hot water recirculating system rebates	5	122	0	
Pool Cover rebates	11	298	0	
HET rebates	8	92	0	214
Number of Smart Controllers rebates approved	8	69	85	12
Number of Smart Controllers "Flume Direct Distribution" redeemed	36	1568	1140	-
Number of Smart Controllers "Rachio Direct Distribution" approved	6	178	233	-
Advanced Metering Infrastructure (AMI)			0	
AMI leak letters sent to customers (>200 GPD)	118	1050	1601	1,384
			0	
ORDINANCES			0	
Water Waste Prevention			0	
No. of properties reporting activity	73	4429	589	147
Landscape Plan Review			0	
Plans submitted	13	72	94	89
Plans exempt	0	1	4	5
Plans completed	2	17	19	23
Plans in workflow (pass & fail)	16	122	154	145
Tier 4 Exemption			0	
Inspections that resulted in a pass	0	1	1	1
Graywater Compliance Form			0	
Applications Received (as of Dec 2019)	2	51	106	39
Systems installed	0	12	7	11

8. Watershed Protection:

Fire on the Mountain

During the Month of June the Rangers responded to three fires. On June 1st a Ranger responded to the Meadow Club in a Patrol Truck/Type 7 Engine for a structure fire with threat to the wildland. The Ranger provided exposure protection, which prevented the fire from spreading into vegetation. On June 16th the Rangers with Watershed Maintenance staff responded to the Lake Fire at Bon Tempe Lake in the District's Type 3 Engine and Patrol Boat with portable pumps. The fire burned 2 acres before being contained. Finally, on June 21st a Ranger in a Patrol Truck/Type 6 Engine responded to a small roadside vegetation fire near Azalea Hill on Bolinas Road. The fire was handled by the Ranger and a Battalion Chief from Marin County Fire.



Marin Water Type 7 Engine at Meadow Club.

Medical Aid Calls for June

The Rangers responded to eight medical aid calls during the month of June. These calls included three hikers, two mountain bikers, two ebikers and a burn victim. One of the bikers, both e-bikers, two of the hikers and burn victim were transported to the hospital by ambulance for moderate to serious injuries.

Incidents and Events	245
Visitor Assists	61
Warnings	56
Citations	34
Vandalism	22
Dam Check	20
Medical Aid	8
Misc Call for Service	4
Humane/Animal Call for Service	4
Assist Watershed Maintenance	3
Search and Rescue	3
Citizen Complaint: Illegal Bike Use	4
Theft	3
Found Property	3
Illegal Trail Work	2
Suspicious Circumstance	2
Assist Fire/EMS	2
Vegetation Fire	2
Misc Law Enforcement Calls	2
Illegal Dumping	2
Citizen Complaint: Recreation Impacts	1
Assist: Other MMWD Work Group	1
Illegal Camping	1
Closed Parking Due to Capacity Issues	1
Outreach/Interp	1
Ranger Callout	1
Off Watershed Fire	1
Traffic Court Appearance	1
Illegal Off Road use	1

Citations	34
Non-Payment of Parking Fees	33
Dog off Leash	1



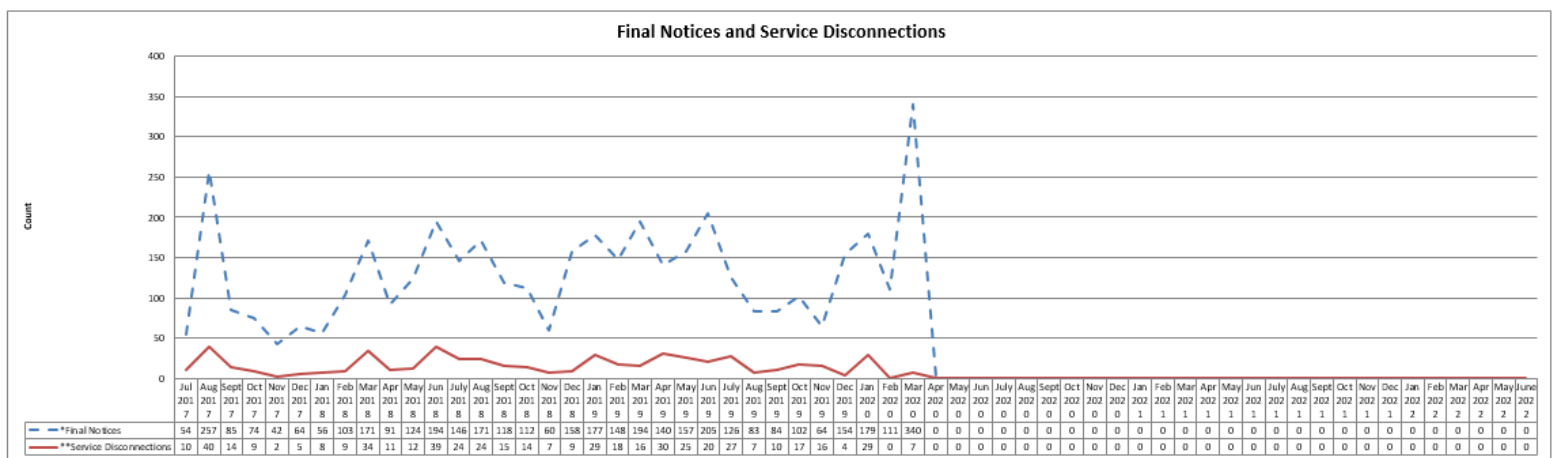
9. Shutoff Notices and Disconnections:

Month	June 2022
Final Notices	0
Service Disconnections	0

* Includes 5 day, 10 day and final notices

**3/13/20 Suspended termination of water service for non-payment due to COVID- 19

*3/24/20 Suspended Late Fees and Final Notices




FISCAL IMPACT

None

ATTACHMENT(S)

None

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Office of the General Manager	<hr/>	
	Ben Horenstein General Manager	Ben Horenstein General Manager

Approval Item

TITLE

Award of Contract No. 1969, Treehaven Pipeline Replacement Project, to Argonaut Constructor's, to install 7,910 feet of pipe in support of the District's Fire Flow Improvement Program, in the City of San Rafael

RECOMMENDATION

Approve a resolution authorizing award of Contract No. 1969, Fire Flow Improvement Program Treehaven Pipeline Replacement Project, to Argonaut Constructor's

SUMMARY

The Operations Committee reviewed this item on June 17, 2022, and referred it to a future regular bi-monthly meeting of the Board of Directors.

On June 28, 2022, the District opened four (4) bids for the Treehaven Pipeline Replacement Project, which involves the installation of 7,910 feet of pipe in support of the District's Fire Flow Improvement Program, in the City of San Rafael. The Argonaut Constructor's submitted the lowest responsive and responsible bid in the amount of \$2,692,990. Therefore, staff recommends that the Board of Directors approve a resolution awarding Contract No. 1969 to Argonaut Constructor's in the amount of \$2,692,990 and authorizing the General Manager to execute any necessary amendments to Contract No. 1969, which do not exceed \$247,000. This project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15302(c) of the CEQA Guidelines as the project is a replacement of existing water pipeline involving no or negligible expansion of capacity.

DISCUSSION

The Treehaven Pipeline Replacement Project (Project) is a component of the District's Fire Flow Improvement Program. This Project will replace undersized fire flow deficient pipe as old as 95-years with 8 and 6-inch welded steel pipe in the locations described in Table 1 and shown on map provided in Attachment 2.

Table 1
Pipeline Replacement Locations

Street	Length	Installation Date	Existing Size & Type
Alpine St	860 ft	1943	2" GTP & 4" CIP
Sirard Ln	600 ft	1935	4" CIP
Echo Pl	200 ft	1947	2" GTP & 2"C
5 th Ave	1,500 ft	1927	4", 6" & 8" CIP

J St	100 ft	1931	4" GTP
Forbes Ave	1,560 ft	1931	4" CIP
Treehaven Dr	1,280 ft	1949	4" CIP
Culloden Park Rd	120 ft	1967	6" CIP
El Cerrito Av	1,690 ft	1932	4" & 6" CIP

* CIP= Cast Iron Pipe, GTP= Galvanized Threaded Pipe, C= Copper

These street segments were evaluated for the installation of recycled water piping. The nearest recycled water pipeline is approximately 3.0 miles away located on intersection of San Pedro Rd and Merrydale Rd in the community of Santa Venetia. There are no commercial properties or golf course in the mentioned route, therefore installation of recycled water pipelines was not included in this Project.

On June 28, 2022, the District received four (4) bids for the Project. Bid results are provided in Table 2.

Table 2
Bid Results
Treehaven Fire Flow Improvement Program Pipeline Replacement Project

Bid Rank	Contractor Name	Bid Amount
1.	Argonaut Constructor's	\$2,692,990.00
2.	Maggiora And Ghilotti, Inc.	\$2,757,757.00
3.	Michael Paul Company	\$2,785,510.00
4.	W.R Ford Associates, Inc.	\$2,852,850.00

Contract No: 1969

Project No: F21003

Engineer's Estimate: \$2,471,000

Argonaut Constructor's submitted the lowest responsible bid. They hold a Class A B C32 Haz General Engineering License, License No. 171432 which is current and active and expires on 12/31/2023. As required by State Law, Argonaut Constructor's is registered with the California Department of Industrial Relations under PWCR Number 1000002969. Following contract award, District staff will register the Project with the California Department of Industrial Relations.

Summaries of the estimated Project costs and schedule are provided below.

Budget:

Contract Award:	\$2,692,990
Contingency:	\$247,000
Materials and Professional Fees:	\$385,000
District Labor/Inspection:	\$330,000
Total Budget:	\$3,654,990
Budget Category:	A2A

Project Implementation:

Project Advertisement:	June 14, 2022
Bid Opening:	June 28, 2022
Project Award:	July 19, 2022
Estimated Completion Date:	January 25, 2023
Duration:	190 days

Environmental Review:

Staff has reviewed the Project pursuant to the California Environmental Quality Act (CEQA) and has found that the Project is Categorically Exempt pursuant to CEQA Guidelines Section 15302(c), Replacement or Reconstruction. The Project qualifies for exemption pursuant to Section 15302(c), inasmuch as it is the replacement of existing water pipeline involving negligible or no expansion of capacity.

PUBLIC OUTREACH EFFORTS:

The District's multi-step process for notifying customers about this Project began in January 2022 when District staff initiated discussions with residents in San Rafael along the project limits. District staff has continually coordinated with San Rafael Fire Department on this project. Public outreach steps to be taken are described in the table below.

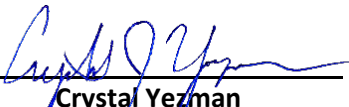

Department	Action
Engineering	Issued letter with map to all customers along the Project route
Engineering	Upon approval of the contract by the Board, send Project information letter with a map to all customers along the Project route.
Public Information	Issue news release to local media (print and online outlets)
Public Information	Post on MMWD website
Public Information	Post on MMWD Nextdoor page for affected neighborhoods
Public Information	Send notice to the City of San Rafael for posting on their website.
Engineering	Provide signage at Project site throughout construction period.

FISCAL IMPACT

The total cost to complete the Fire Flow Improvement Program Treehaven Pipeline Replacement Project is estimated to be \$3,654,990.

ATTACHMENTS

1. Resolution
2. Site Map
3. Draft Notice of Exemption

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Engineering	 Crystal Yezman Director of Engineering	 Ben Horenstein General Manager

MARIN MUNICIPAL WATER DISTRICT

RESOLUTION NO.

**A RESOLUTION OF THE BOARD OF THE MARIN MUNICIPAL WATER DISTRICT
APPROVING AWARD OF CONSTRUCTION CONTRACT NO. 1969 TO ARGONAUT
CONSTRUCTORS FOR THE FIRE FLOW IMPROVEMENT PROGRAM TREEHAVEN
PIPELINE REPLACEMENT PROJECT**

WHEREAS, on June 14, 2022, the District advertised Contract No. 1969, Fire Flow Improvement Program Treehaven Pipeline Replacement Project (F21003), which will replace approximately 7,910 feet of leak prone, fire flow deficient pipe installed as early as 1927; and

WHEREAS, the District received and publicly opened four (4) bids on June 28, 2022, of which Argonaut Constructors bid \$2,692,990 was the lowest responsive and responsible bid.

NOW, THEREFORE, THE BOARD OF DIRECTORS RESOLVES that:

1. The bid of \$2,692,990 submitted by the Argonaut Constructors for the Treehaven Pipeline Replacement Project under Contract No. 1969 ("Contract") was the lowest responsive and responsible bid submitted therefor, and said bid is hereby accepted.
2. A Contract for this project be awarded to said low bidder, and the General Manager is authorized and directed to execute said Contract on behalf of the District upon receipt of a performance bond, payment bond, proof of insurance, and the executed contract for the work from said bidder.
3. The General Manager is authorized to execute any and all future amendments to the Contract, which he deems necessary, without further Board approval, so long as those amendments to the Contract do not exceed \$247,000.
4. Upon complete execution of said Contract, the bonds and/or checks of the other bidders are to be returned to said other bidders, and all bids other than that of the Argonaut Constructors are to be rejected.
5. The project is Categorically Exempt under Section 15302(c) of the CEQA Guidelines inasmuch as it is the replacement of existing water pipeline involving negligible or no expansion of capacity.

PASSED AND ADOPTED this 19th day of July, 2022, by the following vote of the Board of Directors.

AYES:

NOES:

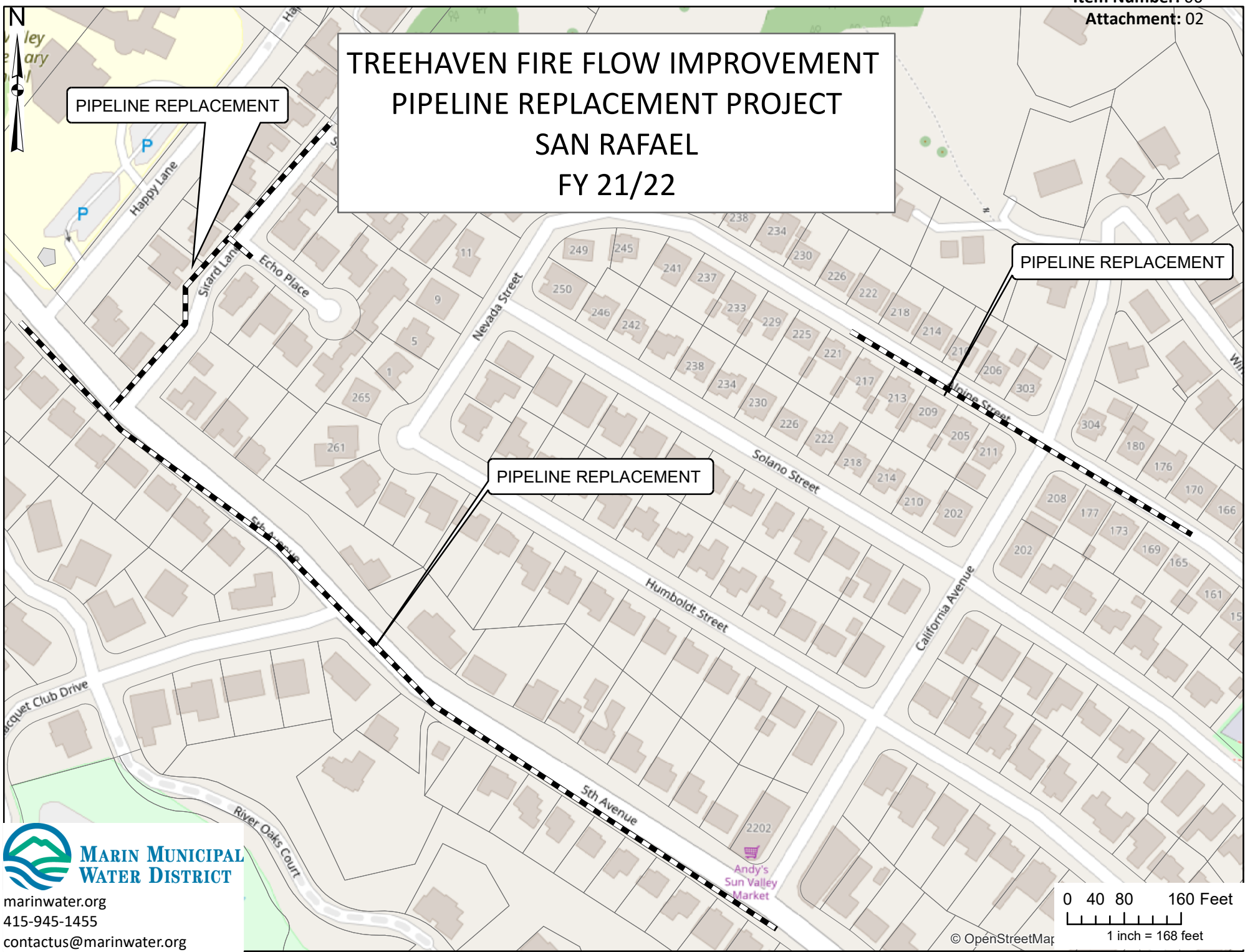
ABSENT:

Larry Russell
President, Board of Directors

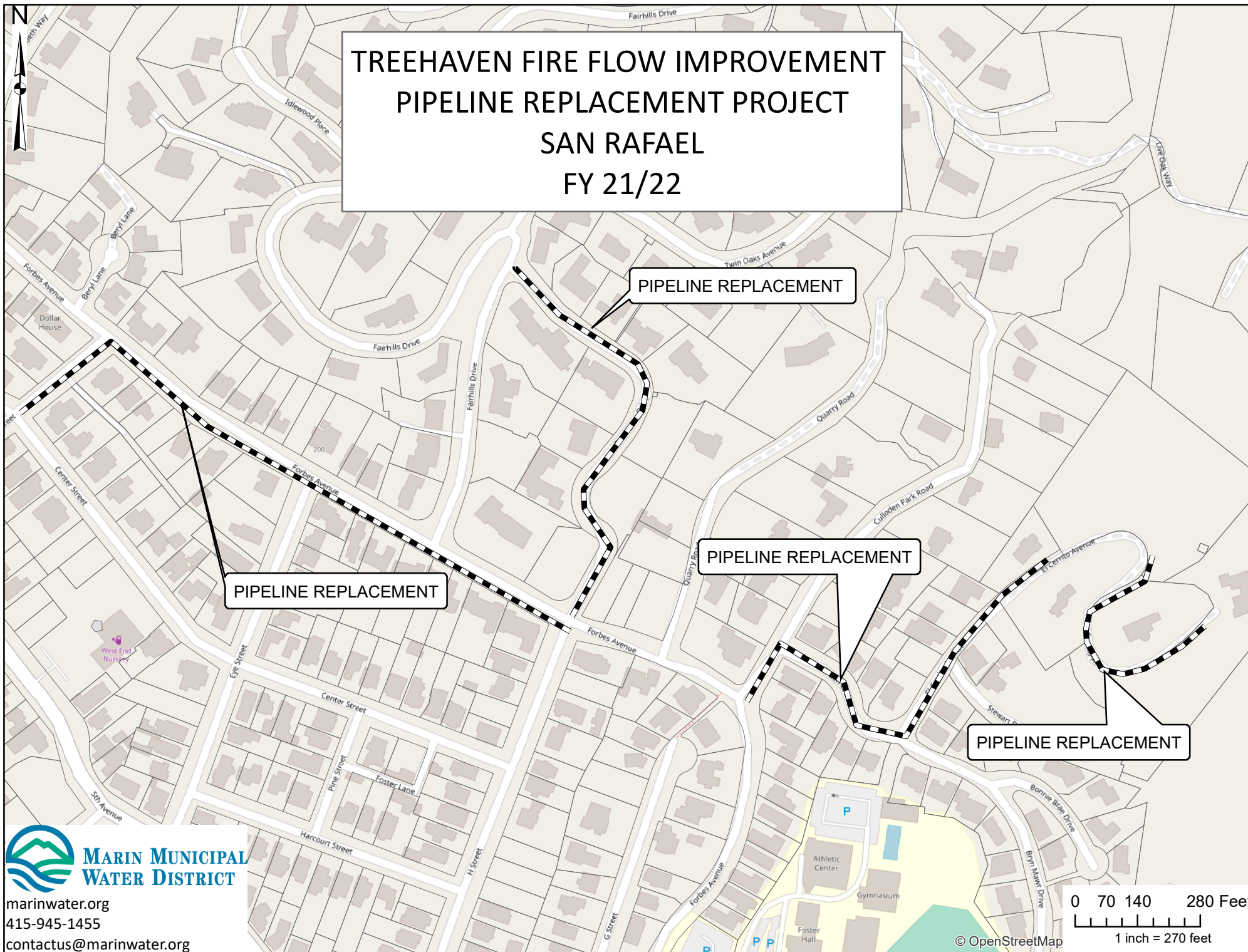
ATTEST:

Terrie Gillen
Board Secretary

TREEHAVEN FIRE FLOW IMPROVEMENT PIPELINE REPLACEMENT PROJECT SAN RAFAEL FY 21/22



TREEHAVEN FIRE FLOW IMPROVEMENT
PIPELINE REPLACEMENT PROJECT
SAN RAFAEL
FY 21/22



Notice of Exemption

Item Number: 06
Attachment: 03



Filing Requested By and When Filed Return To:

Marin Municipal Water District
220 Nellen Ave
Corte Madera, CA 94925
Attn: Crystal Yezman, Director of Engineering

Project Title: Fire Flow Improvement Program Treehaven Pipeline Replacement Project

Project Location: City of San Rafael

Project Location – County: Marin

Project Description: The project will install approximately 7,910 feet of new pipe to replace the old, leak prone, undersized piping in support of the District's Fire Flow Improvement Program.

The roads involved are shown in Figure 1 and 2, and described in the table below:

Street	Length	Installation Date	Existing Size & Type
Alpine St	860 ft	1943	2" GTP & 4" CIP
Sirard Ln	600 ft	1935	4" CIP
Echo Pl	200 ft	1947	2" GTP & 2"C
5th Ave	1,500 ft	1927	4", 6" & 8" CIP
J St	100 ft	1931	4" GTP
Forbes Ave	1,560 ft	1931	4" CIP
Treehaven Dr	1,280 ft	1949	4" CIP
Culloden Park Rd	120 ft	1967	6" CIP
El Cerrito Av	1,690 ft	1932	4" & 6" CIP

*CIP = cast iron pipe, GTP= Galvanized Threaded Pipe, C= Copper

Public Agency Approving Project: Marin Municipal Water District

Name of Person or Agency Carrying Out Project: Marin Municipal Water District

CEQA Exemption Status: Categorical Exemption Section 15302(c), Replacement or Reconstruction.

Reason for Exemption: The project qualifies for exemption pursuant to Section 15302(c) inasmuch as it is the replacement of existing water pipelines with negligible or no expansion of capacity.

Project Approval: The Marin Municipal Water District Board of Directors approved the award of a contract for project construction, which represents project approval as defined by Section 15352 of the Guidelines for Implementation of the California Environmental Quality Act, at their regularly scheduled meeting on November 16, 2021.

Lead Agency Contact Person: Crystal Yezman, Marin Municipal Water District **Telephone:** (415) 945-1100

Crystal Yezman, Director of Engineering

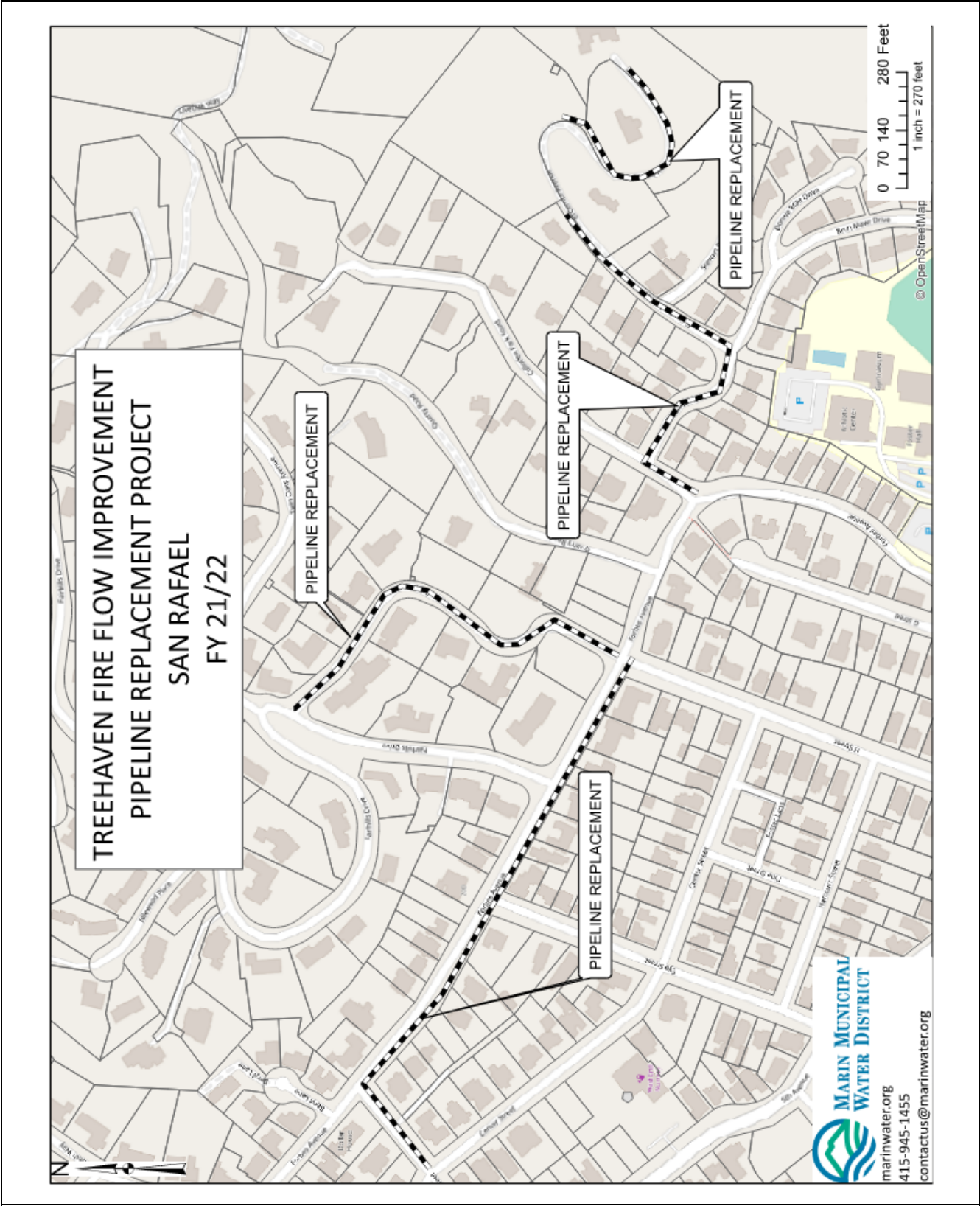
Date

Figure 1: FFIP Treehaven Pipeline Replacement Project



SOURCE: MMW2022

Figure 2: FFIP Treehaven Pipeline Replacement Project



SOURCE: MMW2022

Informational Item

TO: Board of Directors

FROM: Matt Sagues, Grant and Legislative Program Coordinator

THROUGH: Ben Horenstein, General Manager

DIVISION NAME: Watershed

ITEM: Grant and Legislative Update

SUMMARY

This item provides an update on recent grant activity and the District's involvement in the 2021-2022 State Legislative session.

DISCUSSION

In May of 2022, staff presented recent progress on grants and legislation, and requested three resolutions supporting new or pending grant or loan applications. Since that date, staff has received news on applications and has been working to apply for a series of new grants targeting funds for District initiatives.

The table below describes the status of grant applications submitted or in-process in 2022.

Recent Grant Awards and Applications				
Project	Funder	Amount	Status	Date
Lagunitas Creek Restoration Project	USBR WaterSMART	\$1,400,000	Awarded	July 2022
San Geronimo Emergency Generator Project	Member Request (Levine)	\$1,000,000	Awarded	July 2022
Drought Supply Scoping (Intertie/Regional)	DWR	\$2,000,000	Awarded	May 2022
Lagunitas Creek Enhancement Plan Phase II	CDFW	\$869,178	Awarded	April 2022
Pine Mountain Tunnel HMGP	FEMA	\$22,000,000	Applied	March 2022
Automated Meter Infrastructure Districtwide	USBR WaterSMART	\$5,000,000	Evaluating	July 2022

Marin Disadvantaged Community Infrastructure Investments	IRWM (DWR)	TBD	Scoping	Fall 2022
Fire Prevention and Capacity Building	State Coastal Conservancy	\$1.1 M	Applied	May 2022

Federal Grant and State Funding Appropriation

Last week, the District received a notification from the US Bureau of Reclamation that an application in the amount of \$1.4M, supporting restoration work in Lagunitas Creek, has been approved. This award, through the Bureau's WaterSMART Environmental Resource Program, is from a grant application which was submitted in December of 2021. The grant will build on design work funded through two Lagunitas Creek Enhancement Plan grants from the State department of Fish and Wildlife.

Earlier this year, the District submitted a funding request to Assembly Member Marc Levine's office for funding to support implementation of the San Geronimo Emergency Generator Project. For the second consecutive year, Assembly member Levine has supported the District in Sacramento, and the State Budget, which was signed by Governor Newsom on June 30. The FY 23 budget contains an appropriation of \$1,000,000 to the District for the San Geronimo Emergency Generator Project. In order to facilitate the funding transfer, the District Board of Directors must approve a resolution authorizing the District to accept the funds, which staff will seek at a future date.

Additionally, District staff are currently evaluating a potential grant application for Automated Meter Infrastructure.

Legislative Update

In March of 2022, the Board adopted a position of support for State Assembly Bill 2142, which provides an exclusion from gross income for any amounts received from rebates for participation in turf replacement water conservation programs.

This bill has been steadily moving through the State Legislature with broad support from water agencies and industry groups, as well as from the Governor's Office. The Bill 2142 is currently in Senate appropriations, and is forecast to be passed, signed, and chaptered later this year. If passed, the legislation will be retroactive, and will allow customers who received rebates in 2022 to benefit from these on this year's tax returns.

FISCAL IMPACT

There is no fiscal impact for these actions to our FY22/23 budget.

ATTACHMENT(S)

None

Informational Item

TO: Board of Directors

FROM: Paul Sellier, Water Resources Director



THROUGH: Ben Horenstein, General Manager



DIVISION NAME: Water Resources

ITEM: Strategic Water Supply Assessment, Review of Water Supply Alternatives – Interties, Sonoma County Based Options and Local Storage Enhancement

SUMMARY

In September 2021, the District faced historically low reservoir levels as result of a severe two-year drought. In response to this drought, the District pursued developing the Emergency Intertie Project under a CEQA Statutory Emergency Exemption. Water storage levels have greatly improved since then, allowing the District to pursue a full environmental analysis of the proposed intertie project under CEQA and to perform a comparative analysis on water supply resiliency solutions. The Strategic Water Supply Assessment will build upon extensive, previous planning efforts to evaluate supplemental water supply options that will address the impacts from hydrologic extremes such as droughts, with the result of this effort being a roadmap for implementation. During the meeting, the project team will provide the board a presentation on water supply alternatives.

DISCUSSION

The Strategic Water Supply Assessment will be additive to past planning efforts and is designed to update and integrate previous water supply planning efforts to comprehensively assess water supply resiliency in areas such as demand management, local storage, recycled water, and desalination.

To-date the project team has established reasonable criteria for demand, future hydrology and validated the model. These data were used in the model to project baseline scenarios that represent plausible future conditions and a range of projected water supply deficit assuming only existing supplies were available. The project team will provide details including the water yield and cost of water supply options including Interties, Sonoma County Based Options and Local Storage enhancements. Future presentations will incorporate into the scenarios the effects of these water management alternatives in reducing or eliminating projected water supply deficits.

FISCAL IMPACT

None

ATTACHMENT(S)

None

Informational Item

TO: Board of Directors

FROM: Terrie Gillen, Board Secretary

THROUGH: Ben Horenstein, General Manager

DIVISION NAME: Communications & Public Affairs Department

ITEM: Future Meeting Schedule and Agenda Items

SUMMARY

Review of the upcoming Board of Directors and Committee meetings

DISCUSSION

Below are the upcoming meetings of the Board of Directors and/or Committees:

Internal Meetings

- Thursday, July 28, 2022
Board of Directors' Special Meeting
Strategic Water Supply Assessment Community Workshop III
5:00 p.m.
- Tuesday, August 2, 2022
Board of Directors' Regular Bi-Monthly Meeting
7:30 p.m.
- Tuesday, August 16, 2022
Board of Directors' Regular Bi-Monthly Meeting
7:30 p.m.

External Meetings

- Monday, August 1, 2022
Sonoma WAC/TAC
9:00 a.m.

FISCAL IMPACT

None

ATTACHMENT(S)

None