



NOTICE OF THE OPERATIONS COMMITTEE MEETING/SPECIAL MEETING OF THE BOARD OF DIRECTORS

Friday, January 12, 2024 at 9:30 AM

AGENDA

LOCATIONS:

Open Session to start at or after 9:30 a.m.

Marin Water Board Room – 220 Nellen Avenue, Corte Madera, CA 94925

Public Participation:

The public may attend this meeting in-person or remotely using the following methods:

On a computer or smart device, go to: <https://us06web.zoom.us/j/86822995553>

By phone, dial: **1-669-444-9171** and use Webinar ID: **868 2299 5553**

HOW TO PROVIDE PUBLIC COMMENT:

During the Meeting: Typically, you will have 3 minutes to make your public comment, however, the board president may shorten the amount of time for public comment due to a large number of attendees. Furthermore, pursuant to Government Code, section 54954.2 (the Brown Act), the Board may not take action or discuss any item that does not appear on the agenda.

-- **In-Person Attendee:** Fill out a speaker card and provide to the board secretary. List the number/letter (ex: 6a) of the agenda item(s), for which you would like to provide a comment. Once you're called, proceed to the lectern to make your comment.

-- **Remote Attendee:** Use the "raise hand" button on the bottom of the Zoom screen. If you are joining by phone and would like to comment, press *9. The board secretary will use the last four digits of your phone number to call on you (dial *6 to mute/unmute).

In Advance of the Meeting: Submit your comments by email in advance of the meeting to boardcomment@marinwater.org. To ensure that your comment is provided to the Board of Directors prior to the meeting, please email your comment 24 hours in advance of the meeting start time. Comments received after this cut off time will be sent to the Board after the meeting. Please do not include personal information in your comment such as phone numbers and home addresses.

AGENDA ITEMS:

1. **Call to Order and Roll Call**
2. **Adoption of Agenda**
3. **Public Comment on Non-Agenda Matters**

This is the time when any person may address the Board of Directors on matters not listed on this agenda, but which are within the subject matter jurisdiction of the Board.

4. **Regular Items** (9:40 a.m. – Time Approximate)

- a. Minutes of the Operations Committee Meeting/Special Meeting of the Board of Directors on December 15, 2023

RECOMMENDATION: Approve the minutes

- b. Loma Alta Landslide and North Marin Line Valve Isolation Project Update

RECOMMENDATION: Receive a staff update related to the Loma Alta Landslide and the North Marin Line Valve Isolation Project

- c. Grant Funding Agreements for Integrated Regional Water Management Program and Wildlife Conservation Board Grant Awards

RECOMMENDATION: Review receipt of grant awards for the Integrated Regional Water Management (IRWM) grant and Wildlife Conservation Board (WCB) grants and refer the item to a regular Board of Directors meeting to consider approving grant awards and authorizing the General Manager to sign grant agreements and other documents necessary for acceptance

- d. Water Efficiency Incentives - Flume Program Changes

RECOMMENDATION: Review proposed changes to the Participation Agreement for Direct Distribution of Whole-Home Flow Monitoring Device with the California Water Efficiency Partnership and refer to a regular Board meeting to consider approving the agreement and authorizing the General Manager to execute the agreement on behalf of the District

- e. Update on The Water Supply Roadmap

RECOMMENDATION: Receive update on status of Water Supply Roadmap Implementation

5. **Upcoming Meeting**

The next Operations Committee Meeting/Special Meeting of the Board of Directors will take place on Friday, February 16, 2024.

6. **Adjournment** (11:00 a.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 the Board Secretary/ADA Coordinator at 415.945.1448, at least two business days in advance of the meeting. Advance notification will enable 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 Administration Building, and marinwater.org.

Posted: 01-09-2024



STAFF REPORT

Meeting Type: Operations Committee/Board of Directors
Title: Minutes of the Operations Committee Meeting/Special Meeting of the Board of Directors on December 15, 2023
From: Terrie Gillen, Board Secretary
Through: Ben Horenstein, General Manager
Meeting Date: December 15, 2023

TYPE OF ACTION: X Action Information Review and Refer

RECOMMENDATION: Approve the minutes

SUMMARY: The Operations Committee/Board of Directors held a meeting on December 15, 2023. The minutes of that meeting are attached.

DISCUSSION: None.

ENVIRONMENTAL REVIEW: Not applicable.

FISCAL IMPACT: None.

ATTACHMENT(S):

- 1. Draft December 15, 2023 Minutes of the Operations Committee Meeting/Special Meeting of the Board of Directors

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



NOTICE OF THE OPERATIONS COMMITTEE MEETING/SPECIAL MEETING OF THE BOARD OF DIRECTORS

Friday, December 15, 2023 at 9:30 AM

MINUTES

LOCATIONS:

Open Session to start at or after 9:30 a.m.

Marin Water Board Room – 220 Nellen Avenue, Corte Madera, CA 94925

Outside location for Director Larry Russell – 200 Martinique Ave., Tiburon, CA 94920

Public Participation:

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AGENDA ITEMS:

1. Call to Order and Roll Call

Vice Chair Khush called the meeting to order at 9:30 a.m.

DIRECTORS PRESENT

Matt Samson

Monty Schmitt

Jed Smith

Larry Russell

Ranjiv Khush

2. Adoption of Agenda

A motion was made by Director Schmitt and seconded by Director Samson to adopt the agenda.

There were no public comments to adopt the agenda.

Voting Yea: Directors Samson, Schmitt, Smith, Russell, and Khush

3. Public Comment on Non-Agenda Matters

There were no public comments.

4. Regular Items

- a. Minutes of the Operations Committee Meeting/Special Meeting of the Board of Directors on November 17, 2023

RECOMMENDATION: Approve the minutes

A motion was made by Director Smith and seconded by Director Samson.

There were no public comments on this item.

Voting Yea: Directors Samson, Schmitt, Smith, Russell, and Khush

- b. Operations Efficiency Project

RECOMMENDATION: Receive a report from staff regarding the implementation of operational efficiency tool

Operations Director Darren Machado introduced this item, and Superintendent Mark Hedeem provided a presentation.

Discussion followed.

There were no public comments.

This was an information item. The Board did not take any formal action.

- c. Amendment No. 1 to MA-6102 with Miller Pacific Engineering Group in Support of the Construction of the Pine Mountain Tanks Phase I Project

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for approval to authorize the General Manager to execute Amendment No. 1 to MA-6102 with Miller Pacific Engineering Group for continued geotechnical engineering and special inspection services in support of the construction of the Pine Mountain Tanks Phase I Project

General Manager Ben Horenstein announced Alex Anaya as the new Engineering Director.

After thanking the general manager, Director Anaya introduced Engineering Construction Manager Mark Kasraie, who presented this item to the Board.

Discussion followed.

A motion was made by Director Samson and seconded by Director Schmitt to refer this item to a Board meeting for approval.

There was no public comment.

- d. Pipeline Extension Agreement – 187 Sacramento Avenue, San Anselmo

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting to approve the 187 Sacramento Avenue, San Anselmo Pipeline Extension Agreement

Director Anaya introduced Engineering Services Manager Joseph Eischens, who presented this item.

Brief discussion followed.

There were no public comments.

A motion was made by Director Smith and seconded by Director Schmitt to refer this item to a future Board meeting for approval.

e. Facilities Master Plan Update

RECOMMENDATION: Receive staff update on the development of the Facilities Master Plan

Engineering Director Anaya introduced Engineering Planning Manager Elysha Irish, who presented this item. Discussion followed.

There were no public comments.

This was an information item. The Board did not take any formal action.

f. Wolfback Ridge Tanks Rehabilitation Project (D20009)

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award

Engineering Director Anaya introduced Associate Engineer Zak Talbott, who presented this item. Discussion ensued.

There was no public comment.

A motion was made by Director Smith and seconded by Director Samson to refer this item to the Board at a future meeting for approval.

5. Upcoming Meeting

The board secretary announced that the next Operations Committee Meeting/Special Meeting of the Board of Directors would be on January 12, 2024.

6. Adjournment

There being no further business, the Operations Committee Meeting/Special Meeting of the Board of Directors adjourned at 10:25 a.m.

Board Secretary



STAFF REPORT

Meeting Type: Operations Committee/Board of Directors
Title: Loma Alta Landslide and North Marin Line Valve Isolation Project Update
From: Alex Anaya, Director of Engineering
Through: Ben Horenstein, General Manager
Meeting Date: January 12, 2024

TYPE OF ACTION: Action X Information Review and Refer

RECOMMENDATION: Receive a staff update related to the Loma Alta Landslide and the North Marin Line Valve Isolation Project

SUMMARY: Staff will provide an update to the Board on the Loma Alta Landslide and the North Marin Line Valve Isolation Project, located near White Hill in the unincorporated area in Fairfax.

DISCUSSION: Significant rainfall in January 2023 caused a landslide to develop on Old Railroad Grade Road, an unimproved road located near White Hill in Fairfax on Marin County Open Space District land. The slide threatens the integrity of the District’s existing 27-inch North Marin Line transmission pipe, which is located within a 20-foot easement across Marin County Open Space District (MCOSD) property. The pipeline is the primary transmission line from the San Geronimo Treatment Plant that supplies water into the Districts system via the North Marin Line.

The North Marin Line (NML) conveys finished water from the District’s San Geronimo Treatment Plant over White Hill along Old Railroad Grade to the District’s two 5-million-gallon Smith Saddle Tanks located in Fairfax. Between the San Geronimo Treatment Plant and Smith Saddle Tanks is the Fairfax Transmission Line (FTL), which is tapped off of the NML near the intersection of Old Railroad Grade and Sunrise Fire Road. The FTL supplies water into the Ross Valley and Central Marin service areas, which flows south via the FTL into Pine Mountain Tunnel (located in Fairfax), Hawthorne Hills Upper Tank (located in San Anselmo), and Forbes Reservoir (located in San Rafael).

The NML has isolation valves on either side of the slide area: one valve located west of the landslide near the crest of White Hill, and one valve located just east of the landslide and the junction of the FTL. The FTL has one isolation valve located downstream of the NML/FTL junction. The NML and FTL systems are critical in directing flows as needed to various sectors of the District’s service area in the event that the San Geronimo Treatment Plant (SGTP) is taken offline.

While assessing the risk to the District’s NML and its supply reliability as a result of the Loma Alta Landslide, staff identified a system vulnerability at the NML and FTL junction. The old valve configuration did not allow the system to isolate the feed from the SGTP and allow the FTL to be back-fed from Smith Saddle Tanks. This vulnerability needed to be addressed, as any failure of the NML at the landslide area would not only take out our largest treatment plant but also put a significant strain on our Bon Tempe Treatment plant to provide water to the entire District, since during this same time, the North Marin Aqueduct from Sonoma County was either offline or running at minimal flows due to a landslide in that location. This made installing new isolation valves at the junction of the NML and FTL a key component to mitigate risk of failure due to the landslide and ensure operational flexibility and reliability to move water through our system if needed during planned and unplanned system shutdowns.

Staff formulated a plan for an emergency bypass and ordered materials to ensure the District would be ready to install a temporary transmission bypass around the landslide in the event that the landslide worsened or damaged the NML. After identifying the need for a valve cluster at the NML and FTL junction, staff ordered materials to cut in a new tee with valves and fittings to allow the District to better control the movement of water to our system through this junction.

The North Marin Line Valve Isolation Project involved the excavation and removal of a section of the existing pipe and tee at the NML and FTL junction, and installation of a new 24-inch welded steel tee with three new 24-inch butterfly valves, and welded steel reducers at the junction of the NML and FTL pipelines, and then backfilling and restoring the area. District staff determined that this project could be expedited using the District’s On-Call Capital Maintenance and Repair Construction Contract (CN-2009). The District’s Contractor, Piazza Construction, performed the installation of the tee, and valves, and was paid on a time and materials basis in accordance with the Contract terms.

On October 10, 2023, the SGTP and NML Booster Pumps were taken offline, and District Facilities Maintenance staff shutdown and drained the pipelines. The Contractor cut and removed sections of the existing pipeline and tee, and successfully installed the new three-valve cluster after which water service, treatment operations, and transmission system functions were restored later in the evening.

Staff has continued working with MCOSD to cover the landslide and protect it from additional rain damage and District staff has been monitoring the landslide since February 2023 to determine if immediate action is needed to protect the transmission line. Miller Pacific Engineering Group has designed the landslide repair for MCOSD in coordination with the District to ensure the transmission line is protected. Staff will be meeting with MCOSD to discuss the landslide repair schedule and anticipate that MCOSD will be conducting the landslide repair in the summer of 2024. District staff will work closely with MCOSD during construction to ensure the District’s transmission main is protected.

ENVIRONMENTAL REVIEW: Not Applicable.

FISCAL IMPACT: The North Marin Line Valve Installation Project has an approved budget for FY24 and FY25 totaling \$200,000 in Fund Center A1A03.

ATTACHMENT(S): None.



STAFF REPORT

Meeting Type: Operations Committee/Board of Directors

Title: Grant Funding Agreements for Integrated Regional Water Management Program and Wildlife Conservation Board Grant Awards

From: Jamie Hailer, Grant Program Coordinator *JH*
Shaun Horne, Watershed Resources Manager *SH*

Through: Ben Horenstein, General Manager *BH*

Meeting Date: January 12, 2024

TYPE OF ACTION: Action Information X Review and Refer

RECOMMENDATION: Review receipt of grant awards for the Integrated Regional Water Management (IRWM) grant and Wildlife Conservation Board (WCB) grants and refer the item to a regular Board of Directors meeting to consider approving grant awards and authorizing the General Manager to sign grant agreements and other documents necessary for acceptance

SUMMARY: The District continues to track and apply for state and federal grant funding opportunities that align with District programs and projects. As part of this effort the District submitted and is being awarded the following grants.

- 1) Integrated Regional Water Management (IRWM) Program Grant from the State of California, Department of Water Resources (DWR) for Marin City/San Rafael Water Supply Resilience Project in the amount of \$6,408,000
- 2) State of California’s, Wildlife Conservation Board (WCB) for One Tam Regional Forest Conservation Project-Phase I in the amount of \$4,260,000 of which \$2,800,000 supports Marin Water’s Biodiversity Fire and Fuels Integrated Plan work

Staff is requesting that the Operations Committee review and refer to a future regularly scheduled Board Meeting to consider approving grant awards and authorizing the General Manager to sign grant agreements and other documents necessary for acceptance of the grant awards on behalf of the District.

DISCUSSION: The District is actively monitoring and tracking state and federal funding grant programs in an effort to pair grant opportunities with District projects and programs. Recent grant applications have resulted in two grant awards that now require the District to enter into funding agreements.

Bay Area IRWMP Grant

Association for Bay Area Governments (ABAG) received a 2014 Proposition 1 Integrated Regional Water Management (IRWM) Program Grant from the State of California, Department of Water Resources (DWR) to help fund local projects located within the San Francisco Bay Area IRWM region (Work Plan). The District has actively participated in the Bay Area IRWMP planning process and responded to grant solicitations with project proposals since the program’s inception. The District responded to the most recent grant solicitation with a grant funding proposal in the amount of \$6,408,000 with a District match in the amount of \$1,300,000 for implementation of the Marin City/San Rafael Water Supply Resilience Project (Project). The Project will replace water main infrastructure in Marin City and the San Rafael Canal District. The grant also includes funding for community partners to conduct project related outreach to support implementation and community based water education activities.

The Department of Water Resources (DWR) is awarding the Bay Area IRWMP through ABAG \$32,214,479 in State funding (State Grant) to advance projects in the Bay Area Work Plan. In order for the District to accept the grant funds for implementation of the Project the District is required to enter into a Local Project Sponsor Agreement (LPSA). The LPSA needs to be signed and fully executed in order to support funding reimbursements for implementation of the Project.

Wildlife Conservation Board Grant

The One Tam Forest Conservation project is being funded by the State of California’s Wildlife Conservation Board’s (WCB) Forest Conservation Program. The funding source originates from the General Fund, Budget Act of 2023, Nature Based Solutions (AB102, Sec. 85(3a)). The Forest Conservation Program (Program) was created on November 7, 2006 with the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84). That Act charged the Board to develop a grant program and “...promote the ecological integrity and economic stability of California’s diverse native forests for all their public benefits through forest conservation, preservation, and restoration of productive managed forest lands, forest reserve areas, redwood forests and other forest types, including the conservation of water resources and natural habitat for native fish and wildlife and plants found on these lands” (PRC section 75055a).

The WCB will be reviewing the One Tam Forest Conservation Project Phase I grant agreement for award at its upcoming Board meeting on February 15th. Prior to the WCB approval of the grant agreement, the project applicants are required to sign a funding agreement. The One Tam Forest Conservation Project will support implementation of 1,100 acres of forest health treatments across U.S. National Parks Service, California Department of Parks and Recreation, and Marin Municipal Water District lands. Project activities are being informed by the recently completed One Tam Forest Health Strategy and align with the District’s Biodiversity, Fire, and Fuels Integrated Plan (BFFIP). The District will be awarded \$2,800,000 of the \$4,260,000 grant award and will match the grant with \$1,112,687 of Capital BFFIP funding or other eligible grant funding. This grant is one in a series of grants that the District and One Tam are currently pursuing to support the advancement of the One Tam Forest Health Plan in an effort to restore forest resiliency and mitigate wildfire hazards in Marin County.

Staff is requesting that the Operations Committee review and refer to a future regularly scheduled Board Meeting to consider approving acceptance of the IRWMP and WCB grants and authorizing the General Manager to sign the grant agreements.

ENVIRONMENTAL REVIEW: The District as the Lead Agency, has prepared a Programmatic Environmental Impact Report (PEIR) pursuant to the provisions of CEQA for the BFFIP, which was adopted in 2019 and covers all work being funded by the WCB Grant. The District will file a CEQA Categorical Exemption section 15302 or replacement and maintenance of existing infrastructure for the Marin City/San Rafael Water Supply Resilience Project prior to implementation of the IRWMP Grant funded work.

FISCAL IMPACT: For the Bay Area IRWMP grant, the District will match \$1,300,000, which is currently funded in the Capital Program for this project. For the WCB grant, the District will match \$1,112,687 with Watershed Capital funding or with funding from other grants.

ATTACHMENT(S): None.



STAFF REPORT

Meeting Type: Operations Committee/Board of Directors
Title: Water Efficiency Incentives - Flume Program Changes
From: Paul Sellier, Director of Water Resources *PS*
Through: Ben Horenstein, General Manager *BH*
Meeting Date: January 12, 2024

TYPE OF ACTION: Action Information X Review and Refer

RECOMMENDATION: Review proposed changes to the Participation Agreement for Direct Distribution of Whole-Home Flow Monitoring Device with the California Water Efficiency Partnership and Refer to a regular Board meeting to consider approving the agreement and authorizing the General Manager to execute the agreement on behalf of the District

SUMMARY: The Flume Direct Distribution Program is being revised for 2024 to include the implementation of a new pricing structure and integration with a smart irrigation controller. The new pricing structure will increase the District’s cost by \$20 per unit, 50% of which will be reimbursed by the prop 1 grant funding received by the District.

DISCUSSION: The Flume point-of-purchase program, offered through the California Water Efficiency Partnership (CalWEP), allows single-family residential customers to purchase a Smart Home Water Monitor directly from Flume at a discounted price. Following a third successful year in 2023, CalWEP is launching a revised program for 2024 which includes a new pricing model for the device and the addition of a discount on RainBird RC2 irrigation controllers, designed to integrate with Flume devices.

2024 Program Changes

The retail price of the Flume device will increase from \$199 to \$249 in 2024. Subsequently, the total price for each device purchased through the CalWEP program will increase from \$165 to \$205. The \$40 increase will be shared equally between the District and the customer. The District’s contribution will increase from \$116 to \$136; the customer co-payment will be \$94 at checkout, reduced to \$69 after a \$25 refund following installation. Prop 1 grant funding will offset 50% of the District cost for each device.

	2023 Contract Pricing	2024 Contract Pricing
Retail Price	\$199	\$249
CalWEP Price	\$165	\$205
Customer Pays at Checkout*	\$74 + tax + shipping	\$94 + tax + shipping
Refund after install	\$25	\$25
District Pays	\$116 + tax	\$136 + tax

RainBird’s RC2 Controller

Rainbird’s RC2 8-station irrigation controller is a Wi-Fi-based “smart” irrigation controller that will integrate with Flume devices. Customers with both a Flume device and an RC2 controller will be able to monitor flow rates for each of their individual irrigation zones and receive notifications when flow rates exceed typical gallon per minute rates (indicating potential leaks). These controllers qualify for the District’s Smart Controller Rebate.

The retail price of the Rainbird RC2 controller is \$230. The price of each controller purchased through the CalWEP program is \$150. The Marin Water contribution will be \$100, matching the current rebate offer; the customer co-payment will be \$50 at checkout.

Over 3,000 Flume devices have been purchased through the discount program since its launch in May 2021. As of October 31, 2023, the District’s CalWEP account for funding Flume devices has a remaining balance of \$87,808.84. These funds are drawn down with each customer purchase. No additional funding is requested at this time.

ENVIRONMENTAL REVIEW: Not Applicable.

FISCAL IMPACT: None.

ATTACHMENT(S): None.



STAFF REPORT

Meeting Type: Operations Committee/Board of Directors
Title: Update on The Water Supply Roadmap
From: Paul Sellier, Water Resources Director *PS*
Through: Ben Horenstein, General Manager *BH*
Meeting Date: January 12, 2024

TYPE OF ACTION: Action X Information Review and Refer

RECOMMENDATION: Receive update on status of Water Supply Roadmap Implementation

SUMMARY: On February 28, 2023, the Board selected the Integrated Roadmap for improved water supply resiliency (Roadmap); and, since that time, staff has been implementing the early action projects, while in parallel working to advance the longer term more complex projects. Staff will provide an update on the Water Supply Roadmap.

DISCUSSION: Staff will provide a review and status of the Roadmap projects, which are in various stages of implementation from early design to construction. For example, installation of a new stream gauge on Lagunitas Creek, as part of the stream release automation project, is complete and rating curve data is collected while the electrification of Soulajule pump station is in the early design phase. Work is continuing on all Roadmap projects and staff will provide a presentation reviewing all of the Roadmap work as well as an update on schedule, budget and grant funding.

ENVIRONMENTAL REVIEW: Not Applicable.

FISCAL IMPACT: None.

ATTACHMENT(S): None.