



MARIN MUNICIPAL WATER DISTRICT

Posting Date: September 20, 2016

220 Nellen Avenue Corte Madera CA 94925-1169

www.marinwater.org

NOTICE OF SPECIAL MEETING

BOARD OF DIRECTORS/DROUGHT RESILIENCY TASK FORCE COMMITTEE*

Notice is hereby given that a Special Meeting of the Marin Municipal Water District's Board of Directors /Drought Resiliency Task Force Committee will be held as follows:

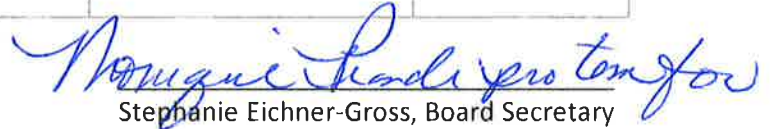
MEETING DATE: FRIDAY, SEPTEMBER 23, 2016

TIME: 9:30 A.M.

LOCATION: MMWD Board Room, 220 Nellen Ave., Corte Madera, CA 94925

AGENDA

ITEM	RECOMMENDATION	APPROX. START
<input type="checkbox"/> CALL TO ORDER		9:30 a.m.
<input type="checkbox"/> ADOPT AGENDA		9:31 a.m.
<input type="checkbox"/> PUBLIC EXPRESSION**		9:32 a.m.
<input type="checkbox"/> CALENDAR		
1. Minutes of June 10, 2016 Meeting	Approve	9:38 a.m.
2. Water Resources Plan 2040 Update – Demands, Safe Yield and Stress Test	Information	9:40 a.m.


Stephanie Eichner-Gross, Board Secretary

ADA NOTICE AND HEARING IMPAIRED PROVISIONS: The board room is equipped with sound amplifying units for use by the hearing impaired. The units operate in conjunction with the room's sound system. You may request the personal sound amplifier from the Board Secretary for use during meetings.

In accordance with the Americans with Disabilities Act and California Law, it is the policy of the Marin Municipal Water District to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled 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 accommodation, please contact Stephanie Eichner-Gross at (415) 945-1448, at least two days in advance of the meeting. Advance notification within this guideline will enable the district to make reasonable arrangements to ensure accessibility.

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FUTURE BOARD OF DIRECTORS/DROUGHT RESILIENCY TASK FORCE COMMITTEE MEETINGS:

Friday, December 9, 2016, 9:30 a.m.

MMWD Board Room

MMWD BOARD OF DIRECTORS: Larry Bragman, Jack Gibson, Cynthia Koehler, Armando Quintero, Larry Russell

**The designated chair is Director Gibson and vice chair is Director Russell. Other board members may attend as they wish.*

***Anyone wishing to speak on an item other than those listed on this agenda will be recognized at this time. We ask any person wishing to be heard to come to the podium to address the board and state your name and address for the public record. A 3-minute limit is customary; however the committee chair may adjust the actual time allotted to accommodate the number of speakers.*



**MARIN MUNICIPAL
WATER DISTRICT**

ITEM NO. 1
MEETING DATE: September 23, 2016
MEETING: Board of Directors/
Drought Resiliency Task
Force Committee

STAFF REPORT

SUBJECT: Minutes of June 10, 2016 Drought Resiliency Task Force Committee

SUBMITTED BY: Monique Prandi, Senior Administrative Assistant
Environmental and Engineering Services Division

RECOMMENDED ACTION: Approve

ATTACHMENT:

1. Minutes of June 10, 2016 Drought Resiliency Task Force Committee Meeting

**MARIN MUNICIPAL WATER DISTRICT
BOARD OF DIRECTORS /DROUGHT RESILIENCY TASK FORCE COMMITTEE**

IN ATTENDANCE:

Directors present: Jack Gibson, Larry Russell (arrived @ 9:42 a.m.), Larry Bragman, Cynthia Koehler

Directors absent: Armando Quintero

CALL TO ORDER: Director Gibson called the meeting to order at 9:36 a.m.

ADOPT AGENDA: By simple motion, the agenda was adopted.

PUBLIC EXPRESSION: There was no public expression.

ITEM 1. MINUTES OF MARCH 11, 2016 MEETING

By simple motion, the minutes were approved as submitted.

ITEM 2. THE STATE WATER RESOURCES CONTROL BOARD'S MAY 2016 EMERGENCY CONSERVATION REGULATION AND THE DISTRICT'S NEW CONSERVATION STANDARD AS DETERMINE USING THE STATE'S METHODOLOGY FOR SELF-CERTIFICATION

Michael Ban, Environmental and Engineering Services Division Manager, presented the item. He said district customers reduced their water usage by 21% during the periods of June 2015-May 2016 relative to the same period in 2013, exceeding the district's State assigned 20% water conservation standard. The district completed the self-certification analysis calculations, based on the State's methodology criteria, and determined they will have sufficient water supply for the next three years and will not have a potable water shortfall by the end of Year 3. As a result, no modifications to district ordinances are required due to the 0% shortfall prediction.

Mr. Ban added that staff will continue to analyze water demands and reservoir levels and revisit current conservation practices for any changes by this December and report their findings for board review.

Krishna Kumar, General Manager, provided a draft OpEd letter from eleven local water agencies to be given to regional newspapers thanking its customers for their conservation efforts.

A brief question and answer period followed.

On motion of Director Koehler, seconded by Director Gibson, the Board directed staff to submit the required self-certification and conservation standard results to the State by June 22, 2016 as required by the May 2016 Emergency Conservation Regulation, by the following vote:

Ayes: Directors Bragman, Gibson, Koehler and Russell
Noes: None
Absent: Director Quintero
Abstain: None

ITEM 3. WATER RESOURCES PLAN 2040 UPDATE

Carl Gowan, Principal Engineer, introduced Alyson Watson, RMC Water and Environment President and Senior Water Resources Engineer, who provided a brief progress update on the *Water Resources Plan 2040 (WRP)* and added that the *2015 Urban Water Management Plan (UWMP)* was recently completed. The purpose of the WRP is to assess various water supply options, demands and climate change scenarios partially addressed in the recent UWMP and those planning options not addressed such as catastrophic events, reservoir operations and optimization and future water supplies.

Presentation highlights included the following topics:

- WRP 2040 Topics and Anticipated Timelines for June 2016 – March 2017 -
 - e.g. Planning tasks updates, preliminary resiliency analysis results and preliminary administrative draft report and recommendations and Final Draft Report Presentation
- WRP 2040 Progress Overview –
 - Completion of Urban Water Management Plan
 - In Process:
 - Computer model simulation development and validation of district reservoir systems
 - Catastrophic events and resiliency options identification
- Stress Tests under Varying Conditions - e.g. Drought, climate change, wildfires, earthquakes and water quality events
- Preliminary Resiliency Options - e.g. Potential interties, water reuse, water efficiency, groundwater, graywater, watershed management and green infrastructure, etc.
- Next Steps - e.g. Model validation completion, existing resiliency simulation, and develop and assess mitigation resiliency options

A lengthy discussion followed with the committee directing staff to clearly define the various categories in future reporting, add public workshops to proposed WRP timeline scheduling, provide monthly progress reports to the board and to contact government agencies' who experienced catastrophic events such as earthquakes and wildfires.

Roger Roberts, a Marin resident, suggested that each modeling scenario, associated timelines and costs be carefully described and a solution/implementation plan established.

This item was presented as information only.

ADJOURNMENT

There being no further business, the meeting of June 10, 2016 adjourned at 10:21 a.m.



STAFF REPORT

SUBJECT: Water Resources Plan 2040 Update – Demands, Safe Yield and Stress Test

SUBMITTED BY: Carl A. Gowan, P.E., Principal Engineer
Lucy A. Croy, P.E., Associate Engineer
Environmental and Engineering Services Division

RECOMMENDED ACTION: Information only.

EXECUTIVE SUMMARY:

As part of the Water Resources Plan (WRP) 2040, the district is evaluating options for improving the resiliency of the system in the event of a major disruption, such as a drought. Alyson Watson, P.E. President and Senior Water Resources Engineer of RMC Water and Environment, district consultant for the WRP 2040, will present an update on the Water Resource Plan 2040 efforts and the demands, safe yield and stress test.

PUBLIC WORKSHOPS:

The district has included a public workshop in the scope of work for the Water Resource Plan 2040. The public workshop will include a review of the options under consideration for improving the resiliency of the system in the event of a major disruption, such as a drought. The regularly scheduled October 4, 2016 Board of Director meeting date is being proposed for the public workshop.

STRATEGIC PLAN ALIGNMENT:

The requested action aligns with the district’s Strategic Plan Goal 1 (Water Supply Resiliency), Strategy 1 (Develop appropriate water resource mix to meet the water reliability needs of the community we serve), and Strategy 2 (Emphasize water use efficiency as a core water resource element for MMWD), and Objective 1 (Meet 20% reduction in water use by 2020 through water conservation efforts) and Objective 2 (Implement new conservation programs to achieve targets).

REVIEWED BY:	Finance Manager	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Counsel	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>