



MARIN MUNICIPAL WATER DISTRICT

220 Nellen Avenue Corte Madera CA 94925-1169
www.marinwater.org

September 6, 2019

The Honorable Gary Nadler
Sonoma County Superior Court
Hall of Justice
600 Administration Drive
Santa Rosa CA 95403

Dee Schweitzer, Foreperson
Sonoma County Civil Grand Jury
P.O. Box 5109
Santa Rosa CA 95402

READ AND CONSIDERED
DATE 9/12/19 BY [Signature]

RE: Response to Sonoma County Civil Grand Jury Report titled "Will There Be Water After an Earthquake?" Per California Penal Code 933.05

Dear Judge Nadler and Foreperson Schweitzer:

The Marin Municipal Water District (District) has received a copy of the Sonoma County Civil Grand Jury's Report titled "Will There Be Water after an Earthquake?" in which the Grand Jury requests the District respond to Recommendation R5. This letter constitutes the District's response to the Grand Jury report and Recommendation R5 per California Penal Code Section 933.05:

FINDINGS

- Findings F1, F2, F4, F9 and F10 apply to the Sonoma County Water Agency (Sonoma Water).
- We agree with Findings F3, F5 – F8 and F 11.

RECOMMENDATIONS

Recommendation R5: Water contractors study options for making local systems more adaptable under emergency conditions – such as dedicated supply loops, digitally monitored metering, or automatic shut-down valves, by December 31, 2019.

Response: Implementation of the recommendation is on-going with the Regional Water Supply Reliability Study scheduled for completion in spring 2020.

The Marin Municipal Water District fully supports the Sonoma County Civil Grand Jury's recommendation to study options for making our local public water supply systems more adaptable for emergency conditions. Even though MMWD's water system includes a number of features that enhance its ability to respond to emergency conditions, we are committed to continuously improving the ability of our water system to respond to emergencies.

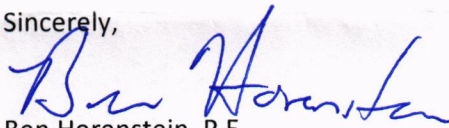
The ability of MMWD's water system to respond to emergencies starts with a diverse water supply portfolio that includes recycled water, water imported from the Sonoma County Water Agency, a local water supply that comes from 22,000 acres of protected watershed on Mount Tamalpais, and water conservation. MMWD's water system includes a number of features that enhance its ability to respond to emergency conditions including local water supply loops, a network of finished water storage tanks that provide 82 million gallons (252 acre-feet) of storage, and 24-hour computerized and employee monitoring of MMWD's water treatment and distribution systems including a Supervisory Control and Data Acquisition (SCADA) system that provides for continuous electronic monitoring and remote control of the water system. MMWD's project to upgrade its SCADA system will be completed in May 2020. In support of further enhancing the ability of the District's water system to withstand an earthquake, in 2017 the District invested \$9M to improve the seismic reliability of the filters at the District's two water treatment plants.

In addition, in May 2015, the District initiated a comprehensive effort to evaluate resiliency in the face of a variety of threats to water resources in its service area and to identify options to enhance resiliency for its customers. This effort culminated with the publication of the District's Water Resources Plan 2040 (WRP 2040) in March 2017. A copy of this report is available on the District's website at <https://www.marinwater.org/217/Water-Supply-Planning>.

Although the water systems of Sonoma Water and its retail customers are inter-connected, integration improvements are possible, especially in times of water shortage. In support of this effort, MMWD and the eight other retail water contractors are funding a Regional Water Supply Reliability Study (Study) coordinated by Sonoma Water. Sonoma Water initiated the Study earlier this year by selecting Jacobs Engineering to provide professional engineering services, following a competitive request for proposals process. Under direction from Sonoma Water, Jacobs Engineering will evaluate strategies and water supply projects to improve integrated water resources management and make the service area more resilient to potential short term (e.g. earthquakes) and long-term (e.g. sustained drought) water shortages. The Study, which is scheduled to be completed in Spring 2020, will identify opportunities to enhance coordination and partnerships between MMWD, Sonoma Water and the eight other water contractors for improved regional integrated water supply emergency planning.

The District appreciates the opportunity to respond to the Grand Jury's report. Please do not hesitate to contact me should you need additional information or clarification.

Sincerely,



Ben Horenstein, P.E.

General Manager

MB:mp



MARIN MUNICIPAL
WATER DISTRICT

220 Nellen Avenue
P.O. Box 994
Corte Madera, CA 94976-0994

SAN FRANCISCO
CA 940
09 SEP '19
PM 6 L



U.S. POSTAGE PITNEY BOWES



ZIP 94925 \$ 000.50⁰
02 4W
0000353503 SEP. 09. 2019

The Honorable Gary Nadler
Sonoma County Superior Court
Hall of Justice
600 Administration Drive
Santa Rosa CA 95403

95403-287899



2019 SEP 11 A 1:15
SUPERIOR COURT
OF CALIFORNIA
COUNTY OF SONOMA