



CITY OF PETALUMA

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Teresa Barrett
Mayor

D'Lynda Fischer
Mike Healy
Gabe Kearney
Dave King
Kevin McDonnell
Kathy Miller
Councilmembers

September 9, 2019

READ AND CONSIDERED

DATE 9/16/2019 BY [Signature]

The Honorable Gary Nadler
Presiding Superior Court Judge
Hall of Justice
600 Administration Drive
Santa Rosa, CA 95403

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

RE: Grand Jury Final Report for FY 2018-2019 Finding and Recommendations –
Will There be Water After an Earthquake?

Dear Judge Nadler:

City Manager's Office
11 English Street
Petaluma, CA 94952

Phone (707) 778-4345
Fax (707) 778-4419

E-Mail:
citymgr@ci.petaluma.ca.us

The City of Petaluma is pleased to provide our responses on behalf of the City of Petaluma and the Petaluma City Council, to the Findings and Recommendations in the 2018-2019 Grand Jury Final Report, "Will there be Water After an Earthquake?" The responses are formatted in accordance with Penal Code Section 933 and 933.05.

Thank you for the opportunity to respond to the Grand Jury's report. If you have additional questions, please let us know.

Sincerely,

[Signature: Teresa Barrett]

Teresa Barrett
Mayor

[Signature: Peggy Flynn]
Peggy Flynn
City Manager

Economic Development
Phone (707) 778-4549
Fax (707) 778-4586

Housing Division
Phone (707) 778-4555
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Information Technology Division
Phone (707) 778-4417
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cc: Sonoma County Board of Supervisors
Sonoma County Clerk
Petaluma City Clerk
Petaluma City Council
Sonoma County Cities



Response to Grand Jury Report Form

Report Title: Will there be water after an Earthquake

Report Date: Not dated but delivered June 14, 2019

Response By: Title: Mayor Teresa Barrett and
Title: City Manager Peggy Flynn

Agency/Department Name: City of Petaluma

FINDINGS:

We agree with the findings numbered: F1, F2, F3, F4, F5, F6, F7, F9, F10, F11

We disagree wholly or partially with the findings numbered: F8

F8 Because operating pressures must be maintained throughout the system, water contractors have limited ability to curtail water uses without compromising availability of water for critical applications such as fire suppression and hospital use.

Petaluma's Response:

Finding (F8) is disputed because the City has the power to impose its water shortage contingency plan during a water supply curtailment such as might occur during the after-math of an earthquake. Under the Plan, the City would likely declare a third level emergency in which all unnecessary water use (i.e. outdoor use, washing, etc.) would be prohibited and if a customer did not comply, their water service would ultimately be shut off. It should be pointed out that by shutting off a customer's domestic water supply, they would still have access to fire flows from nearby fire hydrants, and if they do have an in-building fire sprinkler system, it may be fed by a separate fire service line that would not be affected if the domestic water service were to be shut off for non-compliance with the drought restrictions.

RECOMMENDATIONS:

Recommendations numbered: R1, R2, R3, R4, and R6 are directed to Sonoma Water. R5 is the sole recommendation directed to the City of Petaluma.

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.

Petaluma's Response:

Recommendation #5 has not yet been implemented but will be implemented in the future. Key regional elements will be implemented by Spring 2020. The City of Petaluma is continuously evaluating operational functions to add resilience and make the system less vulnerable. The City is currently updating a vulnerability assessment and Gap study in resilience and operation activities. The City of Petaluma is evaluating SCADA upgrades and performing automatic valve replacements. These upgrades are anticipated to be completed by the end of 2020. The City will have two booster pump stations and valves replaced in early 2020. The City has recently upgraded storage facilities and has CIP projects for upgrades to all the reservoirs in the system. Two reservoir upgrades for seismic and coatings are scheduled to be completed in 2021 with the remaining by the end of 2023. A well siting study is currently underway, and an additional well is scheduled for completion by mid-2021.

Local System Integration with Regional Wholesaler

The City of Petaluma fully supports the Grand Jury's recommendation to study options for making our local public water supply system more adaptable for emergency conditions. Although the water systems of Sonoma Water and its retail customers are inter-connected, integration improvements are possible, especially in times of water shortage. By leveraging the collective water resources and infrastructure of Sonoma Water and its nine retail customers, there could be opportunities to improve water supply reliability and resiliency through better integrated water resources planning and management.

To this end, the City of Petaluma and the eight other retail water contractors are funding a Regional Water Supply Reliability Study (Study) coordinated by Sonoma Water. The Study was initiated in February of this year when Sonoma Water engaged the services of Jacobs Engineering Group to 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.

This Study will identify opportunities to enhance coordination and partnerships between the City of Petaluma, Sonoma Water and the eight other water contractors for improved regional integrated water supply emergency planning.

It is anticipated that this work will be completed by Spring 2020.

Local System Resiliency

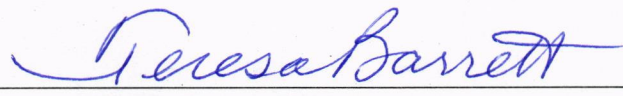
In addition to purchasing wholesale water from Sonoma Water, the City of Petaluma has local water supplies that are used to meet the demands of our customers. Based on State Water Resources Control Board inspection documents, the City of Petaluma can produce a sustained capacity of 50 gal/per person/per day, which means that the City should have enough emergency water supply to meet the minimum water demand for sanitary purposes, such as drinking, cooking and sanitation. The production of water from local sources is based on running wells with one standby reserved.

Recommendation numbered: n/a has not yet been implemented but will be implemented in the future.

Recommendations numbered: n/a require further analysis.

Recommendations numbered: n/a will not be implemented because they are not warranted or are not reasonable.

Date: 10 Sep 19

Signed: 
Mayor Teresa Barrett

Date: 9/10/19

Signed: 
Peggy Flynn, City Manager

Number of pages attached: 3