



Legislation Details (With Text)

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Title: Emergency Work on Santa Rosa Plain Water Supply Resiliency Project in Response to Drought Conditions
Sponsors: Sonoma County Water Agency
Indexes:
Attachments: 1. Summary Report

Date	Ver.	Action By	Action	Result
3/1/2022	1	Board of Supervisors	Approved as recommended	Pass

To: The Board of Directors of the Sonoma County Water Agency
Department or Agency Name(s): Sonoma County Water Agency
Staff Name and Phone Number: Grant Davis, 547-1911
Vote Requirement: 4/5th
Supervisory District(s): Countywide

Title:
Emergency Work on Santa Rosa Plain Water Supply Resiliency Project in Response to Drought Conditions

Recommended Action:
Receive Report and Make Findings that there is an ongoing need to Continue Emergency Work Without Competitive Bidding to Protect Health, Property and Essential Public Services in response to drought conditions. (4/5th Vote Required)

Executive Summary:
This item requests the Board of Directors for the Sonoma County Water Agency (“Sonoma Water”) receive a report and make findings that there is an ongoing need to develop Santa Rosa Plain Wells in response to drought conditions.

Discussion:
Emergency Work in Response to Drought

On March 5, 2021, the Secretary of the United States Department of Agriculture designated 50 California counties, including Sonoma County, as primary natural disaster areas due to drought. This Secretarial disaster designation makes farm operators eligible to be considered for certain assistance from the Farm Service Agency. On April 21, 2021, Governor Newsom visited Lake Mendocino and proclaimed a state of emergency in Sonoma and Mendocino counties due to drought conditions in the Russian River Watershed. On April 27, 2021, the Board of Supervisors for the County of Sonoma proclaimed a local emergency for the Sonoma County Operational Area due to drought conditions.

On June 16, 2021, the General Manager of Sonoma Water determined that due to drought conditions, an emergency exists that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life, health, property, or essential public services, necessitating immediate action pursuant to the authority delegated in Resolution #06-0649. In response to the drought conditions, immediate and urgent actions are necessary to mitigate the emergency conditions. Such actions may include but are not limited to:

- Development of wells in the Santa Rosa Plain that are owned or operated by Sonoma Water.
- Repair or replace existing disinfection system including, but not limited to, installation of pipes, valves, instrumentation, meters, electrical power and controls, communication equipment, and installation of new pumps, equipment sheds, and storage tanks.
- Expend up to \$3,000,000 to purchase or procure necessary equipment, services, and supplies.
- Execution of public works and professional services contracts, or other documents, in a form approved by County Counsel.

The normal contracting process takes two to three months from a minimum advertising period through assessing bids and awarding and executing contracts. This delay would mean that it would not be possible to perform necessary preventative measures to protect public health and safety in a timely manner. In particular, due to the multiple contracting phases and procurements associated with implementation of this project to respond to emergency drought conditions, the timelines for competitive bidding would prevent activation of additional wells to help meet 2022 water demands if drought conditions persist.

Public Contract Code section 22050 authorizes Sonoma Water to enter into contracts for public projects as may be necessary to mitigate emergency conditions without giving notice for bids. Additionally, pursuant to Public Contract Code section 22035, this emergency work may proceed without adopting plans or specifications. If approved, this item will be brought back to the Board every 14 calendar days thereafter, to determine (by 4/5 vote), if there is a need to continue the action without competitive bidding. The Board is obligated to terminate the waiver of the bid process at the earliest possible date that conditions warrant so that the remainder of the work may be completed under the bid process.

Work on the Santa Rosa Plain Wells continues to be accelerated. Some materials, supplies, and services have been obtained. Staff continues to secure the additional material supplies and services needed to activate the Santa Rosa Plain Wells. Sonoma Water continues to stay in contact with the State Water Resources Control Board, Division of Drinking Water, as well as, with Sonoma Water's Water Contractors on the progress. One of three Santa Rosa Plain Wells (Todd Road Well) has been activated as of October 2021. Activation of this well could result in an additional 200,000 to 500,000 gallons a day (approximately) to be delivered to residents and ranchers who have lost domestic water supply and need water for health and safety in areas experiencing severe water shortages. The well could also produce an additional 1 million gallons daily (approximately) for Sonoma Water's water contractors to help alleviate drought impacts to their customers.

Efforts are currently underway to rehabilitate the two remaining Santa Rosa Plain Wells on an expedited schedule, including activation of at least one of the additional wells to help meet summer/fall 2022 water demands, provided emergency drought conditions persist. Procurement of supplies and services are continuing for this purpose. Sonoma Water completed the planning and preliminary design for these wells and submitted an application for State grant funding to assist in the implementation of these critically needed projects during this time of extreme drought. (See [State Grant Funding Update](#) section below.)

In addition, engineering consultant services have been procured to provide design and preparation of construction plans and specifications as well as to conduct investigation, testing, and pilot study work to support the design and permitting of the project. Concurrent with design and testing efforts, some essential material supplies will continue to be purchased in advance of construction contracts in order to ensure the availability of those materials ahead of an expedited construction schedule. Those items may include, but not be limited to, pipe and fittings, pumps and motors, valves, meters, disinfection equipment, electrical and communication equipment, water holding tank, and small pre-fabricated buildings (sheds) to house installed equipment and store disinfection products.

Sonoma Water will also engage contractor and laboratory services to implement the well testing at the Sebastopol Road and Occidental Road Wells, in coordination with Sonoma Water and its engineering consultant.

Additional expenditure authorization for construction of rehabilitation improvements and Aquifer Storage and Recovery elements will be requested of the Board in the future. The implementation schedule for constructing the improvements needed for the two additional wells remains subject to the continuation of emergency drought conditions.

Cooperative Agreement with City of Santa Rosa: Transfer of water for beneficial reuse/disposal.

Following activation of the wells, ongoing operation requires periodic disposal of water that may be unable to meet regulatory requirements for potable water use. Such water may include weekly backflush from the recharge wells, daily analyzer discharges, and seasonal or annual start-up discharges. Initial testing of the wells, currently scheduled to commence in February prior to permitted reactivation of the two remaining wells, requires disposal also.

Sonoma Water and City of Santa Rosa (City) staff are coordinating to provide for these periodic discharges to be transferred to the City for beneficial reuse and/or disposal. Beneficial reuse, as available, would occur through connection to the City's nearby recycled water system. Transfers of water to the City would comply with terms of a cooperative agreement currently in development between Sonoma Water and the City. On February 8, 2022, the Board conditionally authorized Sonoma Water's General Manager to execute the cooperative agreement upon finalizing its development.

State Grant Funding Update: Application to the 2021 Urban and Multi-benefit Drought Relief Grant Program

The California Budget Act of 2021 allocated \$300 million to the Department of Water Resources (DWR) for interim and immediate drought relief to urban communities and multi-benefit projects. On November 2, 2021, the Board approved a resolution authorizing the application, acceptance, and execution of a grant agreement with DWR, in the event the project is selected for funding. On November 18, 2021, staff submitted an application for funding final design and construction of two remaining Santa Rosa Plain wells (at Sebastopol Road and Occidental Road).

On December 23, 2021, DWR released the program's Phase 1 awards. Sonoma Water was awarded \$6,900,000 for the Santa Rosa Plain Water Supply Resiliency Project. Pursuant to the grant program guidelines, the grant will fund eligible Project costs incurred after the award date.

County Strategic Plan:

This item directly supports the County's Five-year Strategic Plan and is aligned with the following pillar and goal.

Pillar: Resilient Infrastructure

Goal: Goal 2: Invest in capital systems to ensure continuity of operations and disaster response.

Sonoma Water Strategic Plan Alignment: Water Supply and Transmission System, Goal 2: Maintain and improve the reliability of the Water Transmission System.

In the face of extreme drought and ongoing effects of climate change, continuing the emergency declaration and reactivating of the dormant production wells improve the reliability of the Water Transmission System.

Prior Board Actions:

- 02-08-2022: Received Report and Made Findings that there is an ongoing need to Continue Emergency Work Without Competitive Bidding to Protect Health, Property and Essential Public Services in response to drought conditions; Authorized the General Manager for Sonoma Water to execute cooperative agreement(s) with City of Santa Rosa to receive and dispose of water transferred from Sonoma Water's Santa Rosa Plain wells.
- 01-25-2022: Received Report and Make Findings that there is an ongoing need to Continue Emergency Work Without Competitive Bidding to Protect Health, Property and Essential Public Services in response to drought conditions; Authorized the General Manager for Sonoma Water to expend up to \$3,000,000 (additional \$1,500,000) to procure necessary services and material supplies; Adopted a Resolution authorizing adjustments to the Board Adopted Budget for FY 2021/2022 in the amount of \$1,500,000.
- 01-04-2022: Emergency Work on Santa Rosa Plain Water Supply Resiliency Project in Response to Drought Conditions
- 12-07-2021: Emergency Work on Santa Rosa Plain Water Supply Resiliency Project in Response to Drought Conditions
- 11-16-2021: Emergency Work on Santa Rosa Plain Water Supply Resiliency Project in Response to Drought Conditions
- 11-02-2021: Emergency Work on Santa Rosa Plain Water Supply Resiliency Project in Response to Drought Conditions
- 10-19-2021: Receive Report and Make Findings to Continue Emergency Work in Response to Drought Conditions
- 09-28-2021: Receive Report and Make Findings to Continue Emergency Work in Response to Drought Conditions
- 09-14-2021: Receive Report and Make Findings to Continue Emergency Work in Response to Drought Conditions
- 08-31-2021: Receive Report and Make Findings to Continue Emergency Work in Response to Drought Conditions
- 08-17-2021: Receive Report and Make Findings to Continue Emergency Work in Response to Drought Conditions and Take Actions Required by State Water Board Emergency Regulations for the Russian River Watershed

07-13-2021: Receive Report and Make Findings to Continue Emergency Work in Response to Drought Conditions

06-18-2021: Approved Emergency Drought Response Activities

06-18-2021: Resolution Declaring a Need to Perform Emergency Work in Response to Drought Conditions.

FISCAL SUMMARY

Expenditures	FY 21-22 Adopted	FY22-23 Projected	FY 23-24 Projected
Budgeted Expenses			
Additional Appropriation Requested			
Total Expenditures			
Funding Sources			
General Fund/WA GF			
State/Federal			
Fees/Other			
Use of Fund Balance			
Contingencies			
Total Sources			

Narrative Explanation of Fiscal Impacts:

Additional expenditure authorization to construct the rehabilitation improvements of the Project will be requested of the Board in the future and the additional offsetting revenue will be appropriated at that time.

Staffing Impacts:			
Position Title (Payroll)	Monthly Salary Range (A - I Step)	Additions (number)	Deletions (number)

Narrative Explanation of Staffing Impacts (If Required):

N/A.

Attachments:

None.

Related Items "On File" with the Clerk of the Board:

None.