

**County - awarded HMGP project descriptions:****TPW: Geyserville Drainage Feasibility Plan**

\$124,999 awarded January 2021; completion by January 2024

TPW will identify problems leading to flooding issues and devise solutions and projects that will help to repair and improve drainage infrastructure in Geyserville and surrounding areas.

**Regional Parks: Hood Mountain Soil Stabilization and Revegetation**

\$233,110 awarded December 2020; completion by September 2023

This project will revegetate and stabilize the bulldozer lines along the ridgeline in the park to prevent rainfall from mobilizing exposed soils, reduce the rainfall impact and facilitate infiltration – reducing the potential for flooding and debris flow.

**TPW: Forestville Road Yard Generator**

\$120,000 awarded November 2020; completion by November 2023

The County will install a 20 kilowatt, stand-by generator at the Forestville Road Yard. The generator will sit atop a fuel tank and be housed in a weather and sound attenuating enclosure.

**DEM: Radio Disaster Alert Devices for Vulnerable Populations**

\$33,000 awarded May 2020; completion by May 2023

This funding will enable the purchase and distribution of radio disaster alert devices to vulnerable populations in the Sonoma County Operational Area (OA). The system will use pre-existing infrastructure operated and maintained by the national Weather Service (NWS) to augment the Sonoma OA's alerting systems.

**Permit Sonoma: Advance Assistance - Wildfire Adapted Sonoma County Phase 1**

\$1,692,510 awarded March 2020; anticipated completion March 2021

This project will educate wildlife urban interface (WUI) residents in unincorporated Sonoma County about the importance of defensible space and the principles of structural hardening, through targeted events and outreach. Outreach will be followed by comprehensive, community-wide defensible space inspections and voluntary WUI structural hardening evaluations. The project will address vegetation within 100 feet of a structure and focus on reducing the flammability of the structures themselves.

**DEM: Fire Early Warning Camera System**

\$2,042,039 awarded February 2020; anticipated completion February 2023

This funding will enable the County install a network of fire detection cameras throughout the County that can detect fire day or night. These cameras will provide early detection of fires and provide precise locations that can be transmitted to dispatchers and emergency operations managers immediately.

**TPW: Green Valley Creek Restoration and Flood Resiliency Project - Phase 1 (DR-4308)**

\$376,673 awarded January 2020; anticipated completion December 2021

This project will reduce the frequency and duration of flooding at Green Valley Road in order to address public safety risks, recurrent road and private property damage, and impacts to listed and endangered species in the watershed. This project is a joint effort between the Department of Transportation and Public Works and Sonoma Water.

**CDC: Flood Elevation Program**

DR-4344 \$1,185,545 awarded May 2020; anticipated completion April 2023

DR-4301 \$2,198,796 awarded January 2020; anticipated completion February 2022

The Sonoma County Flood Elevation Program elevates single and multi-family dwellings above established base flood elevation, primarily in the Russian River area, which reduces damage to structures and prevents loss of life and property. The County's Flood Elevation program has elevated 293 homes since its inception in 1997; over the years, the program has been funded by both HMGP and Flood Mitigation Assistance (FMA) grants.

**TPW: County Airport Generator**

\$359,460 awarded November 2019; anticipated completion September 2022

During the 2017 fires, the Sonoma County Airport experienced a total power loss and had to shut down terminal operations for two days. A reliable airport power supply will ensure continued operation of critical infrastructure, airline and security services during an emergency.

**ISD: County Data Center Generator – Phases 1 and 2**

Phase 1: \$26,584 awarded November 2019

Phase 2: \$440,052 awarded February 2021; anticipated completion October 2022

Installing a generator at the Sonoma County Data Center will ensure that emergency response and public safety systems, including 911 calls and computer-aided dispatch systems, will be available during a power outage. Phase 1 is the design phase, and Phase 2 is the implementation phase.

**TPW: Generator Installation at Santa Rosa Road Maintenance Yard**

\$186,741 awarded August 2019; anticipated completion November 2020

Installing a generator at the Santa Rosa Road Maintenance Yard will enable the facility to function as the Sonoma County Transportation and Public Works' Operation Center by providing power for critical dispatching activities during a disaster.

**Permit Sonoma: Operational Area Multi-Jurisdictional Hazard Mitigation Plan Update**

\$249,998 awarded August 2019; anticipated completion August 2022

The Multi-Jurisdiction Hazard Mitigation Plan will encompass a more comprehensive, regional approach to potential hazards and minimize duplication of efforts.

**Permit Sonoma: Community Wildfire Protection Plan Update**

\$150,000 awarded August 2019; anticipated completion August 2022

The existing countywide Community Wildfire Protection Plan will be updated with new fire and seismic data, in collaboration with Fire Safe Sonoma.

**Sonoma Water: Advanced Radar Flood Warning System – Phase 1**

\$110,101 awarded January 2020; anticipated completion April 2021

Precise rainfall forecasting for atmospheric rivers gives flood control managers, including Sonoma Water, emergency responders, transportation officials and media outlets more accurate information on the location, timing and intensity of expected rainfall. This funding will expand a regional flood monitoring and forecasting system to cover a critical coverage gap in Marin and Sonoma counties. Phase 1 includes final site analysis, installation design and configuration.

**Sonoma Water: Seismic Rehabilitation and Retrofit of Secondary Treatment Clarifiers, Sonoma Valley County Sanitation District – Phase 1**

\$195,959 awarded October 2019; anticipated completion April 2021

This project will replace the internal mechanisms of the two secondary treatment clarifiers at the Sonoma Valley wastewater treatment plant with new components designed to meet current standards for seismic resilience and to ensure operational function following a magnitude 8.0 earthquake along the San Andreas Fault. Phase 1 includes determining structural, mechanical, and demolition methods and preparing construction specifications and contract documents.

**Sonoma Water: Water Transmission System Ely Booster Station Hazard Mitigation**

\$2,306,867 awarded June 2019; anticipated completion June 2022

Sonoma Water's Ely Booster Station supplies water to over 310,000 residents in Marin and Sonoma counties. This project would seal electrical enclosures, elevate equipment, anchor equipment and construct a sheet pile wall to mitigate the potential for liquefaction and lateral spread in the event of a major earthquake.

**Sonoma Water: Santa Rosa Creek Crossing Hazard Mitigation Project (DR-4240)**

\$2,979,959 awarded November 2019; anticipated completion September 2021

This funding will enable Sonoma Water to relocate a portion of the Santa Rosa Aqueduct from an area that falls within the "very high" hazard zone for failure during an earthquake to a below-street location. A portion of pipeline that crosses under Santa Rosa Creek will be micro-tunneled under the existing bridge and concrete box culvert in which the creek currently passes.

**Sonoma Water: Seismic Rehabilitation and Retrofit of Secondary Treatment Clarifiers, Russian River County Sanitation District (DR-4308)**

\$2,238,402 awarded September 2018; anticipated completion September 2021

This project will replace the internal mechanisms of the three secondary treatment clarifiers at the Russian River wastewater treatment plant with new components designed to meet current standards for seismic resilience and to ensure operational function following a magnitude 8.0 earthquake along the San Andreas Fault. The funding will contribute to both the design and construction of the project.

**Sonoma Water: Penngrove Sanitation Zone Lift Station Flood Resiliency Project (DR-4301)**

\$350,266 awarded August 2017; \$305,920 additional funding preliminarily approved February 2020; anticipated completion February 2021

The location and design of the Penngrove Sanitation Zone Lift Station are increasingly prone to flooding during major storm events. This funding will enable Sonoma Water to lift the electrical equipment above the 500-year flood elevation level, reducing the risk of sanitary sewer overflows due to power loss.