



# COUNTY OF SONOMA

575 ADMINISTRATION  
DRIVE, ROOM 102A  
SANTA ROSA, CA 95403

## SUMMARY REPORT

---

**Agenda Date:** 5/19/2020

---

**To:** Sonoma County Board of Supervisors  
**Department or Agency Name(s):** County Administrator's Office  
**Staff Name and Phone Number:** Christel Querijero, 565-7071  
**Vote Requirement:** Informational Only  
**Supervisorial District(s):** All

**Title:**

Recovery and Resiliency Update

**Recommended Actions:**

Receive an update on the status of recovery operations, planning, and external funding opportunities following recent disasters, including the 2019 Kincade Fire, 2017 Sonoma Complex Fires, and 2019 Winter Storm and Floods.

**Executive Summary:**

Office of Recovery and Resiliency staff provides the Board monthly updates on disaster recovery efforts, including building permits, external funding and grant efforts, and relevant legislation. Additional information covers the Kincade fire debris removal, 2017 Insurance Collection, and HMGP efforts.

**Discussion:**

To keep the Board and community informed about the County's recovery efforts, the Office of Recovery and Resiliency (Office) prepares a monthly agenda item, typically included on the consent calendar. Monthly updates includes information on: Ongoing Recovery Efforts; Housing; Recovery Related External Funding Opportunities; and other items of interest. When additional disasters are experienced, updates are broadened to encompass additional recovery efforts.

This Recovery and Resiliency Update includes information on the 2019 Kincade Fire, 2017 Sonoma Complex Fires, and the 2019 Winter Storm and Floods. Separately, in depth funding updates are conducted by the Disaster Finance Team (DFT) which consists of CAO, ACTTC, and relevant department representatives. Most recently, on 11/19/2019, under the CAO's leadership the DFT provided expenses incurred, project costs not yet incurred, and reimbursement eligibility from FEMA and Cal-OES. See <https://sonoma-county.legistar.com/LegislationDetail.aspx?ID=4245333&GUID=13C81898-5587-4914-A162-58C0A370DD0D&Options=&Search=>

In 2020, the Office will present semi-annual and annual reports to the Board on the status of the implementation of the Recovery and Resiliency Framework following the 2017 Sonoma Complex Fires.

### **2020 COVID-19 Emergency**

Since March 2, 2020, a local health emergency has been in effect due to the introduction of COVID-19 coronavirus into the County of Sonoma/Sonoma County Operational Area. A separate, comprehensive update is provided to your Board at every Board meeting.

At the Board's direction, on May 1, 2020, the Economic Development Board (EDB) formed a Business Recovery/Reopening Task Force to engage community, business, and industry partners and to serve as a conduit to the County Health Officer for mitigation best practices required to reopen local businesses. The Task Force is structured along industry lines and around work groups that will recommend appropriate mitigation strategies for similar operational settings based on guidelines for personal protective equipment (PPE), cleaning and disinfecting, distancing, and other physical or engineered methods currently recommended by health professionals.

The community's participation in this process is critical to ensuring the County's sets a successful path to reopening. Industry partners play key roles as members of the work groups. These include representatives from county Chambers of Commerce and economic development organizations, industry and labor groups, business owners, executives, and other community stakeholders. Anyone can follow the Business Recovery/Reopening Task Force's progress by subscribing to EDB updates using this [link](#)

### **2019 Kincade Fire**

Pacific Gas & Electric ("PG&E") instituted de-energization in the Sonoma County Operational Area beginning at approximately 2:15 PM on October 23, 2019, due to extreme fire danger weather, impacting 260,000 residents. In preparation, the Emergency Operations Center (EOC) was activated at approximately 8:00 AM on Wednesday, October 23, 2019, to assist with managing the impacts of de-energization.

The Kincade Fire ignited around 9:00 PM on Wednesday, October 23, 2019 northeast of Geyserville, and burned until November 7, 2019. The fire was driven by high winds with the fire spreading rapidly, forcing the evacuation of over 190,000 residents, destroying 374 structures (174 homes, 11 commercial), damaging an additional 60 structures (34 residences), and burning 77,758 acres generally east of Geyserville, Healdsburg and Windsor and across to the Sonoma/Lake County line. A total of 21 evacuation shelters were set up and served 4,850 individuals, as well as pets and livestock.

The conditions created by the Kincade Fire were exacerbated by an unprecedented series of wind events-commencing on Tuesday, October 22, 2019, Saturday, October 26, 2019, and Tuesday, October 29, 2019, respectively-with historic maximum wind speeds and

corresponding de-energization by PG&E of large portions of the electric grid in the Sonoma County Operational Area.

A local emergency proclamation was issued by the County Administrator on October 24, 2019 and ratified by the Board. In addition, on October 25, 2019, Governor Newsom issued a state emergency proclamation for the counties of Sonoma and Los Angeles due to the effects of the Kincadee and Tick fires.

To protect residents from hazardous debris exposure after a wildfire, the Sonoma County Health Officer Dr. Celeste Philip issued an order on November 1, 2019 advising community members to refrain from entering the burn footprint without personal protective equipment. On November 5, 2019, the Board of Supervisors passed an emergency ordinance requiring authorization from the Department of Health Services, Environmental Health, prior to commencing debris removal work.

### **1. Debris Removal**

Before the fire was extinguished, the County started working closely with State partners to plan for fire debris removal. As a result of the Proclamation of a Local Health Emergency, the County, through the Debris Removal Task Force, entered into an emergency contract with NRC to perform Household Hazardous Waste sweeps on all burned parcels for a cost not-to-exceed \$750,000. The clean-up was completed on February 13, 2020. The contract is being managed by Transportation & Public Works and the contract work is being managed by Fire Prevention/Permit Sonoma. The contract will be paid out of the Kincadee Disaster Fund, and should qualify as a reimbursable expense.

Sonoma County Environmental Health is managing the second step of fire debris removal and assisting property owners with this process. Following the Household Hazardous Waste sweep, property owners must submit an application and plan to Environmental Health for approval prior to commencing debris removal. The deadline for submission of an application and plan was January 31, 2020. All cleanup activities must be completed pursuant to standards set forth by the County to ensure the protection of public health. Documentation of adequate clean-up and proper disposal is required. Due to the COVID-19 health emergency and the Shelter-In-Place Orders issued by the Sonoma County Public Health Officer, the deadline for all debris to be removed and soil sampling completed has been extended from May 15, 2020 to August 1, 2020.

As of May 1, 2020, 19 properties (out of 226) have not submitted a plan and/or an application. Follow-up mailings have been sent to those property owners. 80 properties have cleaned all debris and are approved for rebuilding efforts to begin. Additionally, 31 exemptions have been approved.

Property owners who have not yet submitted debris removal paperwork can still download a Debris Removal Application form at [SoCoEmergency.org/Recover](https://SoCoEmergency.org/Recover) and contact Environmental Health for assistance at 707-565-6700 or [ehdebrisremoval@sonoma-county.org](mailto:ehdebrisremoval@sonoma-county.org). Additional information about Debris Removal Requirements and a Debris Removal Completion Certification information is also posted on this site.

Sonoma County Environmental Health and CalRecycle held a Debris Removal Training for contractors, waste haulers, and property owners on Wednesday, November 20, 2019 to provide information about the debris removal process. A recording of this training is posted at [SoCoEmergency.org/Recover](https://SoCoEmergency.org/Recover).

### **2. Watershed Task Force**

Federal, state, local agencies, and community groups have formed the Watershed Task Force to take action to protect the health and safety of the local watershed by providing storm water pollution and debris flow information and support after the 2019 Kincade Fire.

While it is the responsibility of property owners in the process of clean-up and rebuilding to control storm runoff and prevent pollutants, including sediment, from entering storm drains, creeks, rivers, and wetlands, the County is providing \$300,000 to fund implementation of BMP's on private property. Contracts are with Russian Riverkeeper, Soil Conservation, and Sonoma Ecology Center. All three organizations have experience with BMPs after the 2017 Fires and are continuing their efforts with the Kincade Fire.

The Watershed Task Force is also working through two members of the Task Force to pursue additional funding for water quality protection: the California State Water Resources Control Board (Water Board) and Sonoma Resource Conservation District (Sonoma RCD). Sonoma RCD has submitted a \$350,000 319(H) grant to the Water Board and, as of February 10, 2020, has received a draft contract from the State. Due to the COVID-19 emergency, the State has not sent the final contract but expect to do so in May 2020. The final contract amount has been agreed to be \$353,727.

Wattles and other BMP materials, such as straw, are available for purchase at various agriculture, garden supply and hardware stores.

Additional efforts by the Watershed Task Force included developing a debris flow hazard assessment with the State of California through the development of a WERT Report. Citizens are encouraged to familiarize themselves with the potential hazards associated with the burned areas by view the interactive [Limited Scope Post-Fire Hazard Assessment Map](#) (the associated Limited Scope WERT Report is linked at the top of the map).

Property owners can visit [socoemergency.org/recover/](https://socoemergency.org/recover/) for extensive information and resources about how to be Rain Ready.

### **3. Funding Opportunities**

Several funding opportunities are available to assist with Kincade Fire recovery, including:

- A. Clean Water Act (CWA) 319(H) emergency funding:** Sonoma Resource Conservation District (RCD) has received \$350,000 in CWA 319(H) emergency funding for purchase of best management practice (BMP) materials that would be placed by non-governmental organization (NGO) partners in burn areas. These materials would also be used to replace previously placed materials in burn zones. Funding must be utilized before Summer 2020, which means that any BMP materials purchased must also be placed by that date.
- B. California Disaster Assistance Act (CDAA) Program:** The Kincade Fire was determined to be eligible for CDAA funding November 26, 2019. CDAA funding is focused on repairing or restoring permanent structure damage. CDAA will reimburse 75% of eligible costs, including smoke damage, repairs to public facilities and some

emergency response activities related to the disaster. ACTTC's preliminary estimate is that the County will receive \$7.5 million in CDAA assistance.

**C. FEMA Hazard Mitigation Grant Program Post Fire:** On March 27, 2020, CalOES announced that FMAG-declared disasters, which includes the Kincade Fire (FM-5295), are eligible to apply for HMGP Post-Fire funding. Notices of Intent (NOI) to apply are due on June 1, 2020. Funding priorities for impacted counties are 1) hazard mitigation planning, and 2) post-fire mitigation activities, including defensible space measures, ignition-resistant construction, hazardous fuels reduction, erosion control measures, slope failure prevention measures, and flash flooding measures.

#### **4. Recovery Resources**

The Office of Recovery and Resiliency, in collaboration with County departments and community resources, is maintaining a Recovery website for the Kincade Fire, at [SoCoEmergency.org/Recover](http://SoCoEmergency.org/Recover). This site contains information on the following key topics:

1. Returning Home after a fire, including information about smoke damage, food safety, cleaning and sanitizing, and mental health resources to support the community during this time.
2. Rebuilding site that directs property owners to Permit Sonoma to receive information about how to start in the rebuilding process and what support is available. This includes information about the Resiliency Center, originally created following the Sonoma Complex Fires and now also available to those impacted by the Kincade Fire. The Resiliency Center will be gathering data on Kincade Fire rebuilding support and permitting needs over the coming months.
3. Debris Removal section of the site contains FAQ's for both the initial Household Hazardous Waste Sweep and fire debris removal.
4. Rapid Evaluation Safety Assessment and Property Clean-Up status and maps
5. Air Quality information
6. Local Recovery Resources, including County, community, and state and federal resources.
7. Rain Readiness site with extensive information for property owners to protect creeks and waterways from debris runoff.

The Economic Development Board has also added information about recovery resources available for businesses at <http://sonomaedb.org/Business-Assistance/Business-Recovery-Tools/>. This includes information about Small Business Administration (SBA) Loans available for property owners and businesses. Businesses of all sizes and private nonprofit organizations may borrow up to \$2 million to repair or replace damaged or destroyed real estate, machinery and equipment, inventory and other business assets. Applicants may apply online, receive additional disaster assistance information and download applications at <https://disasterloan.sba.gov/ela>. Applicants may also call SBA's Customer Service Center at (800) 659-2955 or email [disastercustomerservice@sba.gov](mailto:disastercustomerservice@sba.gov) for more information on SBA disaster assistance. The deadline to apply for property damage was January 17, 2020, however the deadline to apply for economic injury is August 18, 2020.

## **2017 Sonoma Complex Fires**

In addition to recovery from the Kincade Fire, the County remains committed to supporting property owners impacted by the 2017 Sonoma Complex Fires. Information below highlights recovery updates in the areas of Housing, Debris Removal Insurance Collection, FEMA Public Assistance, Funding Opportunities, and other updates.

### **1. Housing**

#### **A. Resiliency Permit Center**

The Resiliency Permit Center at Permit Sonoma continues to provide expedited comprehensive permitting and inspection services for those who lost homes in the fires and their representatives dealing with reconstruction of approximately 3,000 residential structures destroyed or damaged by the Sonoma Complex Fires. Services at the Resiliency Permit Center began February 13, 2018. The Resiliency Permit Center also provides free general review of bid proposals to fire survivors to help them determine where scope and pricing are appropriate.

#### **B. Rebuilding Permits**

As of April 23, 2020, the combined County and City permit departments have had 3,884 homes, or 75.52% of the homes lost in the fires, start the permitting process. Of those homes in the rebuild process, 245 were in the permit review process, 2,106 have been permitted and under construction, and 1,533 had completed construction. The remaining 1,259, or 24.48%, of the homes lost in the fires, have not yet started the permitting process in order to rebuild.

The combined rebuild has more homes rebuilt (1,533) than homes that have not yet entered the rebuilding process (1,259).

With COVID-19 Shelter in Place orders since March 17, 2020, the figures are not changing significantly from the early March figures.

### **2. Defensible Space/Hazardous Fuels Reduction**

**A.** Permit Sonoma Fire Prevention Division, in coordination with Cal Fire and several local Fire Districts, are in the midst of conducting seasonal outreach, education, and inspections for compliance with defensible space/hazardous fuels reduction regulations, and will perform abatement as necessary. However, neither Cal FIRE nor the Fire Districts do abatement; therefore, Sonoma County will do abatements as necessary within the allocated budget based on seasonal timing as permitted. Inspections are performed by Cal FIRE in the State Responsibility Area (SRA), while Local Fire Districts may perform inspections in both the SRA and/or in the Local Responsibility Area (LRA) based on inspection areas identified in conjunction with the County of Sonoma Fire Prevention Division. Additional details about the County's program are accessible online at: <https://sonomacounty.ca.gov/PRMD/Fire-Prevention/Vegetation-Management-Services/Hazardous-Vegetation/>

- B. Sonoma County staff working with our Fire District partners has a goal to perform up to 4,400 inspections, including complaints, in the proposed budget. In 2019, Sonoma County and the local Fire District partners conducted a total of 2,993 inspections.

Cal Fire has advised they will perform some level of physical inspections. Due to the COVID-19 emergency, Cal Fire has not yet set a final goal for 2020. In 2019, CAL FIRE performed 3,851 inspections.

- C. In addition to the outreach, inspections, and enforcement program, the 2020 countywide free chipper service has also begun. Chipper season opened on 5/4/20 and the County had roughly 100 applications since April 22, 2020. From May through December 2019, there were 468 chipper jobs completed by crews and 63 jobs completed by property owners for a total of 531 chipper jobs completed in 2019.

Additional details about the program, including guidelines and application forms, are accessible online at: <https://sonomacounty.ca.gov/PRMD/Fire-Prevention/Vegetation-Management-Services/Curbside-Chipper-Program/>

### **3. Debris Removal Insurance Collection**

The Office of Recovery & Resiliency has collected, on behalf of FEMA, approximately \$65 million in debris removal insurance funds. Due to the extent of the damage caused to properties during the debris removal process, the County initiated the Debris Insurance Collection Program in which property owners may be reimbursed for repairs needed as a result of the debris removal process (i.e., destruction of driveways, curbs and sidewalks due to heavy equipment, over-excavation, etc.). In addition, the County is permitting debris insurance monies to be used for tree removal. To date, the County has reimbursed approximately \$5.5 million to property owners.

Both FEMA and CalOES were provided details on the reimbursement component of the County's Program. However, as with all programs using Federal money, the Program is subject to later audits that could potentially result in FEMA/OIG recoupment of benefits and the County needing to reverse these reimbursements. In order to minimize any potential exposure to the County for the reimbursements to property owners, the County is requiring all property owners that receive reimbursements verify that they have not received a duplication of benefits, which would be a violation of the Federal Robert T. Stafford Disaster Relief & Emergency Assistance Act.

### **4. FEMA Public Assistance – Sonoma Complex Fires**

On November 19, 2019, your Board received an update from the Disaster Finance Team regarding the status of Federal Emergency Management Agency (FEMA) claims from 2017 Floods and Fire and 2019 Floods. This full Board item and supporting documents can be viewed

at: <https://sonoma-county.legistar.com/LegislationDetail.aspx?ID=4245333&GUID=13C81898-5587-4914-A162-58C0A370DD0D&Options=&Search=>

## **5. External Funding Opportunities: Federal Funding In Process**

### **A. FEMA Public Assistance Appeal**

The October 2017 wildfires caused damage to curbs, gutters, sidewalks, asphalt roads, a storm drain, and a timber retaining wall. Sonoma County requested funding for repairs to these facilities, as well as to 51 damaged asphalt sites in the Mark West/Larkfield area on county roads. FEMA initially denied funding for the repairs relating to the sidewalks, curbs, gutters, storm drain and retaining wall totaling \$126,525. Sonoma County appealed FEMA's denial of the repairs. On May 24, 2019, Cal-OES informed the County, via letter, FEMA approved the appeal for \$126,525 which means the County will be receiving the funds to make the repairs.

Sonoma County has identified damage to county roads resulting from the Private Property Debris Removal operations that were conducted by the United States Army Corps of Engineers at FEMA's request. TPW was notified that FEMA has denied this request for \$18,512,123 to fund repair of 32 roads damaged by debris removal trucks. The County received the official Determination/Notice denying the Private Property Debris Removal road damage. The County sent an official appeal letter to Cal-OES on January 22, 2020.

After Transportation and Public Works (TPW) staff inquired about reimbursement for Private Property Debris Removal damaged roads, FEMA and CalOES project managers requested documentation to support the damages. TPW subsequently provided engineering estimates that included type of treatment needed and materials. Site visits were conducted with FEMA representatives, and before and after photos of each site were provided for reference.

### **HAZARD MITIGATION GRANT PROGRAM (HMGP) - FEMA SECTION 404**

#### **A. HAZARD MITIGATION GRANT PROGRAM (HMGP) - FEMA SECTION 404**

The Federal Emergency Management Agency's (FEMA) Hazard Mitigation Grant Program (HMGP) helps communities implement hazard mitigation activities following a Presidential Major Disaster Declaration. HMGP funding is used to provide protection to undamaged parts of a facility or to prevent or reduce damages caused by future disasters. HMGP is managed by the State under funding provided for in the Stafford Act. The entire state – not just presidentially declared counties – may qualify for HMGP mitigation projects. The State receives a percentage of the total federal share of the declared disaster damage amount, which it uses to fund projects anywhere in the State, regardless of where the declared disaster occurred or the disaster type.

The cost share for HMGP is 75% federal with a 25% non-federal or County match. The County's share is projected at the beginning of the application process, and funding sources are identified before the application is submitted. In addition to some special



funds (non-general funds) being used for the local match, the County also set aside \$4 million in anticipation of the local share requirement. The balance on this amount is monitored regularly, and to date this amount is still sufficient for all pending applications and awarded projects.

Recent disasters that have current HMGP grant activity include:

<b>FEMA #</b>	<b>Event</b>
DR-4308	CA severe winter storms, flooding, mudslides (Feb 2017)
DR-4344	CA wildfires (Oct 2017)
DR-4353	CA wildfires, flooding, mudflows, debris flows (Jan 2018)
DR-4407	CA wildfires- Butte, LA, Ventura (Nov 2018)
DR-4434	CA severe winter storms, flooding, landslides, mudslides (Feb 2019)

The tables below refer to a “lead agency,” which refers to the County department or agency that is submitting the HMGP application. Some applications may involve multiple departments but only one is listed as the primary contact.

<b>Agency</b>	<b>Full Name</b>
CDC	Community Development Commission
DEM	Department of Emergency Management
ISD	Information Systems Department
Permit Sonoma	formerly Permit and Resource Management Department
Regional Parks	Regional Parks
SCWA	Sonoma County Water Agency
TPW	Transportation and Public Works

The initial stage of an HMGP application is a Notice of Intent (NOI) to apply, which then expands to the proposal development phase. The following projects, which total \$3,520,065, are in this first stage of application:

APPROVED NOI's / PENDING PROPOSALS			
DR #	Lead Agency	Project Name	Project Cost
4434	CDC	Sonoma County Flood Elevation Program	\$ 2,386,731
4434	ISD	Critical Facility Redundant Power Feed	\$ 400,000
4434	Permit Sonoma	Russian River Flood Risk and Vulnerability Assessment	\$ 200,000
4434	Permit Sonoma	Sonoma County Non-Structural Mitigation of Flood	\$ 200,000
4344	SCWA	Pipeline Crossing Vulnerability Assessment	\$ 166,667
4434	SCWA	Sonoma Valley County Sanitation District LHMP Update	\$ 166,667
<b>Total NOI's Under Development</b>			<b>\$ 3,520,065</b>

The following project, in the amount of \$6,777,777 has been waitlisted, which is akin to being put on hold until additional funds become available.

WAITLISTED			
DR #	Lead Agency	Project Name	Project Cost
4344	Permit Sonoma	Seismic Strengthening and Retrofit of Existing Structures, Sonoma Countywide	\$ 6,777,777
<b>Total Waitlisted</b>			<b>\$ 6,777,777</b>

If the initial NOI is approved, the project's scope and timeline are narrowed and the project advances to CalOES review. The following projects, totaling \$850,666, are currently in this stage:

<b>UNDER CAL OES REVIEW</b>			
<b>DR #</b>	<b>Lead Agency</b>	<b>Project Name</b>	<b>Project Cost</b>
4407	DEM	Radio Disaster Alert Devices for Vulnerable Populations	\$ 44,000
4434	ISD	Hardening of Wireless Communication Infrastructure	\$ 300,000
4434	TPW	Annapolis Road Yard & Volunteer Fire Station Generator	\$ 180,000
4434	TPW	Forestville Road Yard Generator	\$ 160,000
4434	TPW	Geyserville Drainage Feasibility Plan	\$ 166,666
<b>Total Under Cal OES review</b>			<b>\$ 850,666</b>

After CalOES review, the application is then sent for FEMA's approval. The following projects, totaling \$20,108,810, are currently in this stage:

<b>UNDER FEMA REVIEW</b>			
<b>DR #</b>	<b>Lead Agency</b>	<b>Project Name</b>	<b>Project Cost</b>
4344	CDC	Flood Elevation Program	\$ 2,900,000
4344	SCWA	Improved Flood Early Warning Using Advanced Radar	\$ 2,666,700
4344	Permit Sonoma	Wildfire Adapted Sonoma County: Education and Incentives - Phase 2 Implementation	\$ 4,639,077
4407	Permit Sonoma	Sonoma County Hazardous Fuels Reduction Treatment	\$ 4,500,000
4344	Regional Parks	Stabilize and Re-vegetate Hood Mountain	\$ 310,813
4344	TPW	Bank Stabilization to Save River Road	\$ 5,092,220
<b>Total Under FEMA Review</b>			<b>\$ 20,108,810</b>

Four projects, totaling \$1,300,000 were denied funding after undergoing FEMA review:

<b>DENIED</b>			
<b>DR #</b>	<b>Lead Agency</b>	<b>Project Name</b>	<b>Project Cost</b>
4407	ISD	Critical Facility Power Retrofit	\$ 100,000
4353	DEM	Warning Sirens	\$ 850,000
4344	Permit Sonoma	Surface Fault Rupture and Seismic Induced Landslide Analysis	\$ 150,000
4344	TPW	River Flood Management and Fisheries Habitat Enhancement Planning	\$ 200,000
<b>Total Denied</b>			<b>\$ 1,300,000</b>

The final stage is when a project is awarded or obligated, and the department can begin to work on the mitigation project. \$15.8 million has been awarded in HMGP grant funding to date ("Grant Request" column). Below is a summary of the projects that have received HMGP funding:

AWARDED						
DR #	Lead Agency	Project Name	Project Cost	Grant Request	Match	GF Match
4344	Permit Sonoma	Advance Assistance: Wildfire Adapted Sonoma County Phase 1	\$ 2,256,680	\$ 1,692,510	\$ 564,170	\$ 564,170
4344	DEM	Fire Early Warning Camera System	\$ 2,722,718	\$ 2,042,039	\$ 680,680	\$ 680,680
4301	CDC	Flood Elevation Program	\$ 2,931,728	\$ 2,198,796	\$ 732,932	
4344	SCWA	Advanced Radar Flood Warning System - Phase 1	\$ 146,801	\$ 110,101	\$ 36,700	
4308	TPW SCWA	Green Valley Creek Restoration and Flood Resiliency Project - Phase 1	\$ 502,230	\$ 376,673	\$ 125,558	
4240	SCWA	Santa Rosa Creek Crossing Hazard Mitigation Project	\$ 10,801,420	\$ 2,979,959	\$ 7,821,461	
4344	TPW	County Airport Generator	\$ 479,280	\$ 359,460	\$ 119,820	
4344	ISD	Data Center Generator - Phase 1	\$ 35,445	\$ 26,584	\$ 8,861	\$ 8,861
4344	SCWA	Seismic Rehabilitation and Retrofit of Secondary Treatment Clarifiers - Phase 1, Sonoma Valley County Sanitation District	\$ 261,278	\$ 195,959	\$ 65,320	
4344	TPW	Generator Installation at Road Maintenance Yard	\$ 248,988	\$ 186,741	\$ 62,247	
4344	Permit Sonoma	Operational Area Multi-Jurisdictional Hazard Mitigation Plan Update	\$ 333,330	\$ 249,998	\$ 83,333	\$ 83,333
4344	Permit Sonoma	Community Wildfire Protection Plan Update (CWPP)/LHMP	\$ 200,000	\$ 150,000	\$ 50,000	\$ 50,000
4344	SCWA	Ely Booster Station Hazard Mitigation	\$ 3,075,823	\$ 2,306,867	\$ 768,956	
4308	SCWA	Seismic Rehabilitation and Retrofit of Secondary Treatment Clarifiers, Russian River County Sanitation District	\$ 2,984,536	\$ 2,238,402	\$ 746,134	
4301	SCWA	Penngrove Sanitation Zone Lift Station Flood Resiliency Project	\$ 874,915	\$ 656,186	\$ 218,729	
<b>Total Awarded</b>			<b>\$ 27,855,172</b>	<b>\$ 15,770,273</b>	<b>\$ 12,084,899</b>	<b>\$ 1,387,044</b>

This table shows that fifteen projects have been approved by FEMA for a total of \$27,855,172 million project cost, \$15,770,273 grant request, \$12,084,899 for match, and \$1,387,044 for General Fund match.

**County - awarded HMGP project descriptions:**

**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.

#### **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.

#### **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.

#### **Flood Elevation Program (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, which reduces damage to structures and prevents loss of life and property. This funding will elevate ten homes in the Russian River area. The program has elevated 293 homes since its inception in 1997.

#### **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.

#### **County Data Center Generator – Phase 1**

\$26,584 awarded November 2019; anticipated completion August 2020

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.

#### **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.

#### **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.

#### **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 – awarded HMGP project descriptions**

#### **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.

#### **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.

#### **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.

#### **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 microtunneled under the existing bridge and concrete box culvert in which the creek currently passes.

#### **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.

#### **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.

**B. HAZARD MITIGATION GRANT PROGRAM (HMGP) - FEMA SECTION 404  
PRE-DISASTER MITIGATION (PDM)**

PDM, like HMGP, is part of FEMA’s overall Hazard Mitigation Assistance program. Unlike HMGP, however, PDM provides funds on an *annual basis* for hazard mitigation planning and the implementation of mitigation projects. FEMA provides funding for measures to reduce or eliminate overall risk from natural hazards. The cost share for the PDM program is 75% federal with a 25% non-federal or County match.

The following projects are in various stages of FEMA approval and review in the PDM program:

Status	Lead Agency	Project Name	Project Cost
1-Awarded	SCWA	Potable Water after Earthquake	\$ 10,200,000
2-FEMA review	TPW	Rio Nido Culvert Installations to Reduce Flooding	\$ 170,000
4-Waitlisted	TPW	Cavedale & Trinity Roads Fuels Reduction	\$ 428,200
5-Approved NOI / Pending	TPW	Advance Assistance for Villa Grande Flood Mitigation Plan	\$ 80,000

This table shows four projects that are in various stages of the approval process, including one awarded, one in FEMA review, one waitlisted, and one NOI approved.

**C. PUBLIC ASSISTANCE (PA) FOR RECOVERY & RESILIENCY (FEMA SECTION 406)**

The PA grant is managed by the State under funding provided for in the Stafford Act. This funding provides discretionary authority to fund mitigation measures in conjunction with the repair of disaster-damaged facilities and is *limited to declared counties and eligible damaged facilities*. PA is applied on the parts of the facility that were damaged by the disaster and mitigation measures to reduce the potential of future, similar disaster damages to the eligible facility. The cost share is federal 75%, State 18.75% and County 6.25%.

The following projects have received PA funding:



Lead Agency	Project Name	DR #	Project Cost	FEMA	CA	Match
TPW	Culvert Improvements to Reduce Flooding (Drake Rd)	4434	\$ 1,668,200	\$ 1,251,150	\$ 312,788	\$ 104,263
TPW	Landslide Stabilization to Save Westside Avenue	4434	\$ 292,159	\$ 219,119	\$ 54,780	\$ 18,260

This table shows two projects that have received funding approval for FEMA PA, one for \$104,263 and another for \$18,260.

#### **D. OTHER DISASTER RECOVERY FUNDING**

##### CAL FIRE Funding

The Geyserville Fire Protection District, in conjunction with the Sonoma County Water Agency, received \$540,212 in Cal Fire funding on May 30, 2019 for hazardous fuel reduction projects. Additionally, Permit Sonoma's Fire Prevention Division worked with Pepperwood Preserve on their decision support system and fuels treatment CAL FIRE grant application and also provided letters of support for Fire Safe Sonoma grants for training of inspectors and community outreach materials.

##### Community Development Block Grant Disaster Recovery (CDBG-DR)

CDBG-DR funds are based on disaster impacts and address the long-term recovery needs of a community. U.S. Department of Housing and Urban Development (HUD) announced on April 10, 2018, that California would be receiving \$212 million to support long-term disaster recovery through the CDBG-DR program, including \$124 million for unmet recovery needs.

The State's (HCD) HUD approved Action Plan includes a budget of \$47.6 million for an owner-occupied housing program, \$66.7 million for a multifamily housing program, \$3.5 million for a Federal Emergency Management Agency (FEMA) Public Assistance (PA) match program, and \$6.2 million for administration. An additional \$38 million was recently announced for unmet recovery needs.

Additional CDBG-DR funds were recently announced in February 2020, including \$431 million for unmet infrastructure needs resulting from 2017 disasters. Of that amount, \$38 million is allocated to California, specifically Sonoma and Ventura counties. The County is awaiting program guidelines from State HCD but anticipates being able to apply successfully for this funding.

##### CDBG Mitigation (CDBG-MIT)

CDBG-MIT funds facilitate mitigation activities which increase resilience to disasters and decrease the impact of future disasters. The State of California has submitted an Action Plan to HUD, with notification/approval from HUD expected in Summer, 2020. After HUD notification, the State will develop program guidelines for the \$88 million in CDBG-MIT funding.

#### **E. Other Recovery Updates:**

##### Airport-Larkfield-Wikiup Sanitation Zone Larkfield Estates Collection System - Contract Award

On October 15, 2019, the Board approved the Project Manual and Drawings (“plans and specifications”) for the "Airport- Larkfield-Wikiup Sanitation Zone Larkfield Estates Collection System" and awarded a contract to Ranger Pipelines, Inc., in the amount of \$3,727,868 to lead this project.

Entire neighborhoods were destroyed by the Sonoma Complex Fires in the Airport-Larkfield-Wikiup Sanitation Zone (Sanitation Zone). Many homes in the Larkfield area were connected to septic systems, and at the request of neighborhood property owners, the Sonoma County Water Agency (Sonoma Water), on behalf of the Sanitation Zone, developed a preliminary design of a sewer collection system to serve homes being rebuilt in the Larkfield Estates neighborhood, and is steadily advancing toward a completed design.

On June 5, 2018 the Board authorized Sonoma Water to enter into an agreement for a sewer collection system design in the Larkfield Estates community damaged by the Sonoma Complex Fires in the Sanitation Zone.

On February 5, 2019, the Board approved the Airport-Larkfield-Wikiup Sanitation Zone Larkfield Estates Collection System Project (Project). Immediately following project approval, the General Manager/Chief Engineer filed a Notice of Exemption in accordance with the California Environmental Quality Act (CEQA) for the project. As part of the same item, the Board approved the financing program, which will offer low-cost financing to property owners in the fire-impacted area. Each property that chooses to connect to the sewer will be allocated a pro-rata share of the entire design and construction cost to be repaid over 30 years, with the first 10 years in a grace period. The Board also authorized the General Manager to execute agreements to acquire property rights needed for the Project. Subsequent to this approval, the Project design was revised to eliminate any need for acquisition of easements on private property.

#### **2019 Winter Storms and Flooding Update Summary**

On February 26, 2019, Sonoma County Supervisors declared a Local Emergency as powerful winter storms battered the county. On February 28, 2019, Governor Newsom declared a State of Emergency for Sonoma County. On April 13, 2019, Governor Newsom requested a Federal Major Disaster Declaration for the two atmospheric river storm systems that struck California in February 2019, including the County of Sonoma.

On May 17, 2019, the President declared a Federal Disaster for the severe winter storms, flooding, landslides, and mudslides for 16 counties in California, including Sonoma County, for the incident period of February 24 to March 1, 2019. This Federal Declaration allows for FEMA Public Assistance (PA) and FEMA Hazard Mitigation Grant Program (HMGP).

## 1. FEMA Public Assistance – 2019 Late February Storms

On November 19, 2019, your Board received an update from the Disaster Finance Team regarding the status of Federal Emergency Management Agency (FEMA) claims from 2017 Floods and Fire and 2019 Floods.

This full Board item and supporting documents can be viewed at: <https://sonoma-county.legistar.com/LegislationDetail.aspx?ID=4245333&GUID=13C81898-5587-4914-A162-58C0A370DD0D&Options=&Search=>

## 2. Funding Opportunities

**A. Assistance Hazard Mitigation Grant Program:** Notices of Intent (NOI) for the DR-4434 2019 Winter Storms and Floods Hazard Mitigation Grant Program were requested by CalOES by August 9, 2019. The Board was provided NOI information prior to submission, and Board members and Department leaders provided input. Currently four applications are under CalOES review, and five NOI's have been approved.

**B. Assistance for Businesses Impacted by Flood:** The Economic Development Board continues to help local businesses impacted by the 2019 winter storms and floods to recover by providing support to access a number of loan programs and resources.

**C. Assistance for Businesses Impacted by Flood:** The Economic Development Board continues to help local businesses impacted by the 2019 winter storms and floods to recover by providing support to access a number of loan programs and resources.

### Nor-Cal Financial Development Corporation

Nor-Cal Financial Development Corporation (FDC) is offering three loan opportunities for small businesses who incurred damages from the floods. Opportunities include:

- Disaster Relief Loan Guarantee Program, which offers up to \$1.25 million in loans to repair or replace property, inventory, supplies, and equipment, or to relocate the businesses. Interest rates for these loans are less than 9% and are negotiated with lender for up to 7-year terms. This is offered through a partnership with iBank.
- Jump Start Loan Program, which offers up to \$10,000 in quick microloans for small businesses to meet their obligations and pay their necessary operating expenses, as well as general start-up expenses. Interest rates are less than 9% with 5-year terms.
- Small Business Loan Guarantee Program, which offers up to \$20 million in loans with a maximum loan guarantee of \$2.5 million or up to 80% of the loan with 0- to 7-year terms.

### California Infrastructure and Economic Development Bank (iBank)

The California Infrastructure and Economic Development Bank (iBank) is providing two loans. Opportunities include:

- Industrial Development Bond Financing Program is available for all manufacturing or processing businesses and offers up to \$1 million to \$10 million in low-cost, low-interest loans for manufacturing companies to be used for land acquisition, building construction, building renovation, or equipment purchasing.

- Farm Loan Program is available for owners or operators of family farms and vineyards who are otherwise unable to secure a loan without a guarantee. This program provides up to \$1.4 million in low-interest loans for operation and production expenses, including repair or construction of buildings and storage facilities; purchase of equipment, livestock, seed, or fertilizer; soil and water conservation; or refinancing debt.

In addition, Working Solutions offers the North Bay Emergency Relief Loan Program, providing up to \$50,000 in loans to pay for obligations and operating expenses, as well as replacement/repair of equipment, inventory, or property. Working Solutions is a certified nonprofit Community Development Financial Institution (CDFI) that supports San Francisco Bay Area entrepreneurs to start and grow local businesses.

Since the floods, Nor-Cal FDC has helped connect four businesses with possible financing to be guaranteed by the state Disaster Loan Guarantee Program. Working Solutions is also assisting five businesses for possible direct loan assistance as well as giving existing loan clients a forbearance on their payments.

For additional information about loans and other resources for local businesses, go to <http://sonomaedb.org/Business-Assistance/Flood-Recovery-Business-Resources/>

**Prior Board Actions:**

Regular Recovery Updates have been provided to your Board since November 2017.

**FISCAL SUMMARY**

	<b>FY 19-20 Adopted</b>	<b>FY 20-21 Projected</b>	<b>FY 21-22 Projected</b>
<b>Expenditures</b>			
Budgeted Expenses			
Additional Appropriation Requested			
<b>Total Expenditures</b>			
<b>Funding Sources</b>			
General Fund/WA GF			
State/Federal			
Fees/Other			
Use of Fund Balance			
Contingencies			
<b>Total Sources</b>			

**Narrative Explanation of Fiscal Impacts:**

None. Information only.

<b>Staffing Impacts:</b>			
<b>Position Title (Payroll Classification)</b>	<b>Monthly Salary Range (A – I Step)</b>	<b>Additions (number)</b>	<b>Deletions (number)</b>

**Narrative Explanation of Staffing Impacts (If Required):**

**Attachments:**

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