



## Overview

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### **Our Mission:**

The Sonoma County Water Agency (Sonoma Water), a special district, was created in 1949 by an act of the California State Legislature. Sonoma Water is a wholesale supplier of water to parts of Sonoma and Marin counties; provides flood control services and sanitation services; and has the authority to generate electricity and provide recreational facilities in connection with its facilities. Environmental regulations impacting its core functions have resulted in Sonoma Water's active engagement in natural resources (e.g., fisheries, wetlands, etc.) protection, recovery, and enhancement. Sonoma Water is implementing the Russian River Biological Opinion, issued by the National Marine Fisheries Service in September 2008, to improve operations for the benefit of endangered coho salmon and threatened steelhead trout, and chinook salmon.

### **Mission Statement:**

*To provide reliable water supply, wastewater management, and flood protection — essential services for a thriving community and a healthy environment.* This mission statement and Sonoma Water's values are reflected in its Strategic Plan – a five-year plan of goals and strategies to address Sonoma Water's most pressing needs in the areas of Water Supply, Sanitation, Flood Protection, Energy, Climate Change, and Internal Operations.

This plan guides Sonoma Water as it addresses the challenges it faces in pursuing its mission. The projects in this Capital Projects Plan are derived from the objectives in Sonoma Water's Strategic Plan and from its Water Supply Strategies Action Plan.

### **Objectives**

#### **Water Transmission and Supply Systems:**

Sonoma Water provides high quality drinking water to more than 600,000 people in Sonoma and Marin counties. From its large collector wells near the Russian River, Sonoma Water distributes naturally filtered water to the cities of Santa Rosa, Rohnert Park, Cotati, Petaluma, and Sonoma; the Town of Windsor; and Valley of the Moon and North Marin water districts. These cities and water districts (water contractors) distribute the water to residents and businesses.



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### **Flood Control:**

Flood risks in most communities in Sonoma County have been reduced through the construction of flood protection facilities which include flood control channels and stormwater detention reservoirs. Sonoma Water maintains these flood protection facilities in a manner that balances public safety and environmental needs.

### **Sanitation Systems:**

Sonoma Water manages and operates eight different sanitation districts and zones throughout Sonoma County that serve more than 50,000 people. These include the Sonoma Valley, Russian River, Occidental and South Park County sanitation districts and the Geyserville, Penngrove, Sea Ranch and Airport-Larkfield-Wikiup sanitation zones. High-quality tertiary treated recycled water is an important source of water that helps offset potable water demands.

### **Sonoma Water Strategic Plan:**

Sonoma Water's strategic plan includes several strategies aimed at improving delivery of services and meeting its core objectives of water supply, flood control, and sanitation. These include: (1) conduct planning that integrates and balances operational, maintenance, and infrastructure priorities, (2) fund and implement the planned capital and maintenance projects on schedule to ensure reliable services, and (3) ensure current and future water supply reliability by complying with the Federal and State Endangered Species Acts.

### **Sonoma Water Capital Improvement Plan:**

Sonoma Water's 2024-2029 Capital Improvement Plan identifies approximately \$361.1 million in projects to be implemented over the next five years for meeting our mission and mandate. The Capital Improvement Plan supports efforts to enhance service reliability, provide a more resilient water supply, protect public and environmental health, meet regulatory compliance needs, and promote renewable energy resources. Some of those efforts include: replacement and rehabilitation of aging infrastructure that has served its useful life; implementation of projects



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required under the Biological Opinion for water supply operations along the Russian River and protection of salmonids; implementation of natural hazard reliability projects to increase systems reliability following a major earthquake along the Rodgers Creek Fault; and projects that protect the quality of water in our streams while also serving to sustain local water supplies by offsetting other demands, such as through supporting recycled water to offset the use of imported Russian River water and local groundwater use.

Within this plan, \$215.3 million is programmed for the Water Supply and Transmission Funds; \$13.2 million is planned within Sonoma Water's Flood Control Zones; and \$115.8 million will be expended within the various Sanitation Districts and Zones managed by Sonoma Water. Approximately \$16.8 million is planned for the Internal Services Funds.



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REQ #	FUNDING STATUS	PROJECT TYPE*	PROJECT STATUS	PROJECT NAME	PROJECT DESCRIPTION	DIVISION	FUNDING SOURCE	5 YEAR TOTAL	FUNDING REQUESTED \$ '000
WA24001	F	Imp	Request	Supervisory Control and Data Acquisition (SCADA) Radio Upgrades	Sonoma Water relies upon the SCADA radio system for communications to more than (65) water and wastewater facilities throughout Sonoma County, for the delivery of our primary mission, making it one of our essential assets. The planning, design, and management of the SCADA radio system includes: Providing infrastructure, tools, and data to enable Operations to maintain regulatory compliance and meet our levels of service in a reliable manner; managing the growth and maintenance of SCADA assets to achieve our system uptime requirements; and providing key stakeholders with resources to effectively administer this system.	Internal Services Fund	Facilities Fund	3,093	3,093
WA24002	F	Imp	Request	Supervisory Control and Data Acquisition (SCADA) Operational Technology (OT) Network Upgrade	The Supervisory Control and Data Acquisition (SCADA) system evolution consists of building out a robust, reliable, and secure Operational Technology (OT) network to serve as the core infrastructure of our land-based communications. This project consists of the following elements: 1) Improvement of physical assets including dedicated pathways and secure conditioned spaces; fiber optic (FO) terminations and local cabling; seismically secure equipment racks for OT network equipment. 2) Active network equipment such as switches, routers, and power supplies (UPS) for the implementation of a fully capable OT network to support current EtherNet/IP and future advances protocols. 3) Establishment of new dedicated ISP connections for wide area connectivity; system setup, configuration, & programming; provisioning of best practice cybersecurity measures and cybersecurity audit.	Internal Services Fund	Facilities Fund	2,911	2,911
WA21014	F	IMP	Active	Supervisory Control and Data Acquisition (SCADA) Aveva Phase 2 and 3 Implementation	Supervisory Control and Data Acquisition (SCADA) Upgrade Phase 1 was an urgent replacement of the entire SCADA software system. Phase 1 was implemented in response to the software vendor of the legacy SCADA system ("Lookout") abruptly discontinuing the software and ceasing software support. Phase 1 generally included: development new HMI screens for every site, development of a new Historian for reporting data, replicating functionality, replicating alarming, moving forward, Phase 2 efforts are focused on addressing the issues identified in the SCADA System Master Plan Update. The SCADA System Master Plan outlines several existing deficiencies which need to be addressed to establish "Reliable Operations". Some of the key tasks in this phase include Developing and documenting SCADA standards, for use and conformance by both internal staff and outside consultants and vendors; Developing and documenting SCADA governance and change control; Standard HMI and PLC programming templates; Developing and implementing alarm and event management standards, and SCADA cyber security vulnerability Assessments. Phase 3 efforts are intended to enhance the SCADA system through integration with other systems (e.g. computerized maintenance management system (CMMS)); development and implementation of enhanced reporting capabilities for use by engineering; development of standard SCADA project development methodologies; and alarm remediation.	Internal Services Fund	Facilities Fund	5,820	7,489
WA24003	F	IMP	Request	ATP Storage & UG Utilities for Future Modular Office	The project is to design build (bidding process) a prefab metal storage building (size and location to be determined), and provide in ground utilities for future prefab modular office space (size and location to be determined).	Internal Services Fund	Facilities Fund	3,100	3,100
WA24004	F	Imp	Active	Fence Expansion	Upgrade and expand the perimeter fencing around our 24/7 Operations facility located at 204 Concourse. This upgraded fencing will remove approximately 200' of 6' chain link fence and replace with 8' no climb fence. Additionally, we are expanding the fenced in area with approximately 600' of additional 8' no climb fence to close in our entire fleet parking area. This project also includes an updated gate controller integrated into our physical security system.	Internal Services Fund	Facilities Fund	352	352



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WA24034	F	Imp	Active	Security Access and Controls	Sonoma Water needs to enhance existing physical security measures to ensure the protection and preservation of vital critical infrastructure, operational, and administrative assets from malevolent acts. These measures are being done to comply with the Federal America's Water Infrastructure Act (AWIA), which requires water utilities to conduct a Risk & Resilience Assessment identifying vulnerabilities and take steps to mitigate those vulnerabilities.  The project components currently underway are focused on enhancing and/or expanding current physical security elements through the addition of video monitoring capabilities, updated access controls systems, and the development of a comprehensive Physical Security Master Plan.	Internal Services Fund	Facilities Fund	1,176	1,176
<b>SUBTOTAL</b>								<b>16,451</b>	<b>18,120</b>
WA20010	F	Imp	Request	Sonoma Valley Treatment Plant Solar Inverter Replacement	Sonoma Water owns solar photovoltaic power systems that generate renewable electric power used by Sonoma Water enterprises. Sonoma Water requires a service provider to assess, inspect, test, clean, and perform maintenance on Sonoma Water Systems to ensure functionality at the Sonoma Valley Treatment Plant facility. Inverters are at the end of their useful life and will be replaced as part of this maintenance work.	Internal Services Fund	Power Resources Fund	150	150
WA20011	F	Imp	Request	Airport Treatment Plant Solar Inverter Replacement	Sonoma Water owns solar photovoltaic power systems that generate renewable electric power used by Sonoma Water enterprises. Sonoma Water requires a service provider to assess, inspect, test, clean, and perform maintenance on Sonoma Water Systems to ensure functionality at the Airport Treatment Plant facility. Inverters are at the end of their useful life and will be replaced as part of this maintenance work.	Internal Services Fund	Power Resources Fund	100	100
WA20009	F	Imp	Request	Solar Photovoltaic Inverter Replacement 404 Aviation Blvd	Sonoma Water owns solar photovoltaic power systems that generate renewable electric power used by Sonoma Water enterprises. Sonoma Water requires a service provider to assess, inspect, test, clean, and perform maintenance on Sonoma Water Systems to ensure functionality at the 404 Aviation Blvd facility. Inverters are at the end of their useful life and will be replaced as part of this maintenance work.	Internal Services Fund	Power Resources Fund	100	100
<b>SUBTOTAL</b>								<b>350</b>	<b>350</b>
WA24005	F	IMP	Active	Todd Road Channel Repair	This project will design a solution to degrading vertical concrete retaining walls along a portion of the Todd Channel Extension located outside the southern city limits of Santa Rosa, California. The areas of concern are located near the confluence of the Todd Channel which flows from the north and Wilfred Channel which flows from the east and combine into the Bellevue-Wilfred Channel. This project will provide geotechnical analysis and design services to create a solution to the compromised walls. Once a design is completed, this project will construct the design to ensure long-term integrity of this channel.	Zone 1A Flood Control	Zone 1A	2,475	2,475
WA19033	PF	IMP	Active	Matanzas Reservoir Outlet Improvement	The Matanzas Creek Dam Assessment/Planning/Design project is focused on identifying improvements needed to meet NRCS federal and DSOD state dam design guidelines and opportunities to increase flood protection provided by the facility. Design and implementation of project relies on funding from Natural Resource Conservation Service.	Zone 1A Flood Control	Zone 1A	2,938	17,747
WA24006	F/FBO	IMP	Active	Central Sonoma Watershed Planning	The Central Sonoma Watershed Work Plan was completed in 1958 and led to the construction of four detention reservoirs (facilities) that provide flood protection within the Santa Rosa Creek subwatershed. The facilities were completed by 1964 and have exceeded their original design life. Sonoma County Water Agency (Sonoma Water) is updating the 1958 Central Sonoma Watershed Work Plan to address aging infrastructure and changed conditions in the watershed including updated land use, climate change, and new hydrological data to identify alternatives to improve flood protection in the Santa Rosa Creek subwatershed. Funding and technical support is being provided by the Natural Resources Conservation Service.	Zone 1A Flood Control	Zone 1A	1,271	1,271
<b>SUBTOTAL</b>								<b>6,684</b>	<b>21,493</b>



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WA24007	F	IMP	Request	Upper Petaluma River Flood Control Project Development	The Petaluma River is subject to severe flooding during heavy storm events. Sonoma Water is developing the Upper Petaluma River Flood Control Project to investigate and implement opportunities for flood reduction and storm water management. The Project includes preliminary evaluation of potential flood and storm water management project concepts, identification and ranking of potential project sites using a hydrologic and hydraulic model developed for the Upper Petaluma River Watershed, and design, grant acquisition, and construction of flood reduction projects in Zone 2A.	Zone 2A Flood Control	Zone 2A	3,283	3,283
WA24008	F	IMP	Active	Washington Creek Repair	This project will design a solution to a vertical concrete retaining wall and trapezoidal concrete channel liners along a portion of the Washington Creek Channel located in Petaluma, California. The retaining wall is no longer structurally sound, and the liners are beginning to shift into the center of the channel. This project will provide geotechnical analysis and design services to create a solution to both components of the flood control channel. Once a design is completed, this project will construct the design to ensure long-term integrity of this channel.	Zone 2A Flood Control	Zone 2A	3,211	3,211
<b>SUBTOTAL</b>								<b>6,494</b>	<b>6,494</b>
WA10058	F	IMP	Request	Mirabel Infiltration Ponds 2 & 3 Rehabilitation	This project proposes to regrade infiltration ponds 2 and 3 toward the influent channel. This will allow the pond to drain back to the influent channel after flooding.	Water Transmission System	O&M Fund	2,039	2,039
WA24009	F	IMP	Request	Ely Booster Station - Flowmeter Replacement	The project includes elevating new and existing electrical switchgear, generator, and associated equipment out of the 500-year FEMA floodplain. The project will also increase the structural integrity of the Station. All of the pipeline appurtenances (gages, valve actuators, switches) associated with the pipeline at Ely Booster Station will also be lifted out of the floodplain or be replaced with submersible devices.	Water Transmission System	O&M Fund	122	122
WA08064	F	IMP	Active	Santa Rosa Aqueduct & Russian River-Colati Intertie Cathodic Protection	The Santa Rosa Aqueduct was installed between 1968 to 1985 and consists of approximately 83,100 feet (16 miles) of 36-inch and 42-inch diameter cement mortar lined and coated steel pipe. It runs from Ya-ka-ama to Summerfield in Santa Rosa. The Russian River/Colati Aqueduct is a 48-Inch diameter steel pipeline that connects the southern and eastern aqueduct transmission lines and crosses the Russian River. This project will replace the existing galvanic cathodic protection system with an impressed current cathodic protection system for these two aqueducts to improve corrosion protection of the steel pipelines. The project will be completed in phases.	Water Transmission System	O&M Fund	7,424	7,424
WA18008	F	IMP	Active	Tank Recoating & Maintenance Program	A maintenance program to protect the water transmission system's above grade welded steel storage tanks. The program will protect the system's 18 tanks, including recoating and relining the exterior and interior surfaces and replace the cathodic protection systems. Recent tank inspections have identified corrosion that necessitates maintenance actions to attain the expected functional life of the facilities. The Project includes the design and construction of tank repairs, recoating, and structural improvements at the tank. The project will maintain the functional life of the asset and improve the resilience of the water storage and transmission system.	Water Transmission System	O&M Fund	54,377	72,312
WA21007	F	IMP	Active	Pump Replacements - Mirabel 8, 9 & 10 and Wohler 2, 4, & 12	Pumps consist of a motor, discharge head, column set, drive shafts and bowl assembly (pump). When the motor is started, it turns the shafts and pump to start pumping water to the pipeline. These pumps are an integral part of the water delivery system and need to be always kept in good running condition. The pumps are routinely monitored, maintained, and rebuilt as necessary. However, the rubber bearings in the pump columns are vulnerable to degradation in chlorinated water, particularly the lower portions of the pump column that are normally submerged within the collector well caissons with elevated chlorine concentrations. These pump's column sets are past their useful life and need to be replaced.	Water Transmission System	O&M Fund	6,922	6,922
WA22005	F	IMP	Request	Mirabel Collector 4 Reach Rods Replacement	Reach Rods in Collector 4 are used to operate the lateral valves within the collector wells. This project will replace, in-kind, rusted, corroded, and worn out reach rods.	Water Transmission System	O&M Fund	395	395



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WA24010	F	IMP	Request	Mirabel Collector 5 Reach Rod Replacement	Reach Rods in Collector 5 are used to operate the lateral valves within the collector wells. This project will replace, in-kind, rusted, corroded, and worn out reach rods.	Water Transmission System	O&M Fund	386	386
WA24011	F	IMP	Request	Caustic Soda Metering Pump Replacement Project	The current caustic soda pumps at the Wohler and River Road pH facilities are failing and SCWA staff can no longer purchase spare parts for these pumps.	Water Transmission System	O&M Fund	336	336
WA24012	F	IMP	Request	PLC Replacement	The existing PLCs are at their end of life. Sourcing components is labor intensive and costly.	Water Transmission System	O&M Fund	277	277
WA22007	F	IMP	Request	Lateral Valve Replacements	Underwater structures in the Mirabel collector wells are showing some evidence of corrosion and encrustation. In particular, some of the valve stem risers, brackets, and ladders show rust discoloration and, in some cases, scale and iron oxide nodules. Also, the ladders in Collectors 3 and 5 showed signs of more advanced stages of rusting near the bottom of the well. This project will replace the valves at Collectors 1 through 5.	Water Transmission System	O&M Fund	2,436	2,436
WA24013	F	IMP	Request	Mirabel Collector 1 Reach Rod Replacement	Reach Rods in Collector 1 are used to operate the lateral valves within the collector wells. This project will replace, in-kind, rusted, corroded, and worn out reach rods.	Water Transmission System	O&M Fund	432	432
WA23001	F	IMP	Request	Collector 1 Motor Operated Valve and Actuator Replacement	In the Wohler area, at Collector #1, there is a 20 inch pipeline, with an 18 inch Motor Operated Valve, that is coming to the end of its useful life. The valve and actuator will need to be replaced, in kind. This project was identified while performing routine preventative maintenance. All maintenance work will be performed, in house.	Water Transmission System	O&M Fund	148	148
WA23003	F	IMP	Request	River Diversion Structure Dam Fill Pipeline	In the Mirabel area, at RDS, there is a 2.5 inch pipeline that is coming to the end of its useful life. The pipeline will need to be exposed and repaired or replace any worn, broken or failing spots in the pipe. All pipe will be replaced, in kind with the same type of pipe and parts. The backflow device will be replaced at the same time. This project was brought up when a leak in the pipeline was found. All maintenance work will be performed, in house, using mechanic labor.	Water Transmission System	O&M Fund	209	209
WA18002	F	IMP	Request	Wohler-Forestville Pipeline 54 Inch Throttling Valve	The existing 54 inch butterfly valve has failed and allows flow to the Cotati AQ when it should not be. This causes uncertainty with regulatory and operational functionality. The existing valve will be replaced with an improved valve that will allow flow control via automation and Supervisory Control and Data Acquisition (SCADA) control.	Water Transmission System	O&M Fund	514	514
WA18001	F	IMP	Request	48 Inch Mainline Valve at Vinehill Ranch	Install mainline valve at Vinehill Ranch at location where AQ was hit by pipe driller in 2013. This will be a 48 inch butterfly valve and be utilized as an isolation valve.	Water Transmission System	O&M Fund	231	231
WA15008	F	IMP	Request	Caisson 6 Valves and Vault Replacement	This project proposes to install a new vault around two existing shutoff valves located along the 20 inch and 24 inch discharge pipes at collector 6. This new vault is required to facilitate needed repairs and maintenance on the valves.	Water Transmission System	O&M Fund	603	603
WA24014	F	IMP	Request	Collector 6 Building Roof Leak	The existing gutters have failed in the Collector 6 building, causing water to leak on the switchgear. This project will relocate the downspouts of the gutters outside the building and other related work. We would also like to analyze the roof access (hatch and ladder system).	Water Transmission System	O&M Fund	282	282



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WA19007	F	IMP	Request	Mirabel Collector 3 Blowoff	This project provides a way to separately blow off to the pond after any disinfection of the Caisson. This will reduce the chance of introducing issues to the main line. The project will install a separate valve and piping, directed to the pond. Adding a blow off at each Caisson would allow isolation of the Caisson being worked on and the ability to blow off the disinfected water without having to isolate other Caissons and Pipelines in the process. This will facilitate the ability to pump water from all other Caissons in order to disinfect a single Caisson.	Water Transmission System	O&M Fund	364	364
WA19008	F	IMP	Request	Mirabel Collector 4 Blowoff	This project provides a way to separately blow off to the pond after any disinfection of the Caisson. This will reduce the chance of introducing issues to the main line. The project will install a separate valve and piping, directed to the pond. Adding a blow off at each Caisson would allow isolation of the Caisson being worked on and the ability to blow off the disinfected water without having to isolate other Caissons and Pipeline in the process. This will facilitate the ability to pump water from all other Caissons in order to disinfect a single Caisson.	Water Transmission System	O&M Fund	393	393
WA22010	F	IMP	Request	Mirabel Wellfield #1 Rehabilitation	Project entails full rehabilitation of well, casing, pump, motor and electrical upgrade so that water can be pumped from the well to caisson 1 and/or infiltration ponds.	Water Transmission System	O&M Fund	829	829
WA22004	F	IMP	Request	Mirabel Wellfield #7 Rehabilitation	Electrical rehabilitation and pump install for Well #7 of the Russian River Wellfield located at the Mirabel production facility. Electrical is out of code and parts are not available so a new electrical panel is needed. Well #7 pumps water to infiltration ponds and Collector Well 1.	Water Transmission System	O&M Fund	829	829
WA24015	F	IMP	Request	Mirabel Wellfield #4 Rehabilitation	Rehabilitate Mirabel Wellfield #4. Project entails full rehabilitation of well, casing, pump, motor and electrical upgrade so that water can be pumped from the well to caisson 1 and/or infiltration ponds.	Water Transmission System	O&M Fund	843	843
WA24016	F	IMP	Request	Mirabel Wellfield #6 Rehabilitation	Rehabilitate Mirabel Wellfield #6. Project entails full rehabilitation of well, casing, pump, motor and electrical upgrade so that water can be pumped from the well to caisson 1 and/or infiltration ponds.	Water Transmission System	O&M Fund	843	843
WA22011	F	IMP	Request	Mirabel Ponds Interconnection	This project would install twelve box culverts (4 per pond) at Mirabel. Each set of culverts would connect the Infiltration Ponds 1-4, for a timely equalization, during a back-flooding event. The project will allow the movement of water between infiltration ponds, more effectively, as the Russian River begins to crest.	Water Transmission System	O&M Fund	1,213	1,213
<b>SUBTOTAL</b>								<b>82,447</b>	<b>100,382</b>
WA20012	F/FBO	IMP	Active	Dry Creek Habitat Enhancement Project (Phase 4, 5 & 6)	To address fish habitat issues associated with high flows in Dry Creek, as indicated in the Biological Opinion, this project will construct modifications designed to enhance fish habitat in Dry Creek Mile 4, 5, & 6 while accommodating stream flows necessary to support water supply.	Water Transmission System	Watershed Planning and Restoration	751	751
<b>SUBTOTAL</b>								<b>751</b>	<b>751</b>





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WA14003	PF	IMP	Active	Santa Rosa Creek Crossing	The 36-inch Santa Rosa aqueduct crosses Santa Rosa Creek near Sonoma Avenue. Although Santa Rosa Creek is deeply incised into the fan deposits at the pipeline undercrossing, the steep stream banks are above the groundwater level and composed predominately of fine-grained alluvial fan deposits. In addition, the creek has been locally modified. Due to the high level of ground shaking that can be expected from rupture on the nearby Rodgers Creek fault, local failure of stream banks and pipeline could occur. The project proposes to mitigate the risk of pipeline rupture resulting from a major earthquake. Hazard Mitigation Grant Funds from the Federal Emergency Management Agency (FEMA) will be pursued to provide partial funding.	Water Transmission System	Santa Rosa Aqueduct Capital Fund	4,710	4,710
<b>SUBTOTAL</b>								<b>4,710</b>	<b>4,710</b>
WA16007	F/FBO	IMP	Active	Ely Booster Station Flood Protection	Ely Booster Station is part of Sonoma Water's water transmission system and supplies water to over 200,000 residents in Marin and Sonoma County by pumping potable water to the City of Petaluma, the North Marin Water District, and the Marin Municipal Water District. The site was inundated by flood water in December of 2014, nearly flooding the high voltage electrical equipment with similar events in 2016 and 2017. Sonoma Water is proposing to implement the Ely Road Flood Protection project to reduce the flood risks of future rain events. The project will lift the electrical equipment above the floodplain and it is expected that a number of electrical items will need to be replaced during the project. The project includes elevating the existing transformer, switchgear, and generator out of the floodplain. The project will also increase the structural integrity of the Station. All of the pipeline appurtenances (gages) associated with the pipeline at Ely Booster Station will also be lifted out of the floodplain.	Water Transmission System	Petaluma Aqueduct Capital Fund	469	469
WA16006	F	IMP	Active	Wilfred Booster Station	Wilfred Booster station built in 1972 needs to be upgraded to newer more efficient equipment. Replace Wilfred Booster Station's electrical building, motor, and other critical electrical components.	Water Transmission System	Petaluma Aqueduct Capital Fund	2,867	2,867
WA22008	PF	IMP	Request	Petaluma River Crossing	The 33-inch Petaluma aqueduct crosses the Petaluma River close to Highway 101. This crossing is vulnerable to liquefaction and lateral spread hazard with the potential to result in pipeline failure from a major earthquake. The project proposes to mitigate the seismic risk, which can be accomplished by relocating the pipeline such that it is below the lateral spread zone.	Water Transmission System	Petaluma Aqueduct Capital Fund	6,260	6,260
<b>SUBTOTAL</b>								<b>9,596</b>	<b>9,596</b>
WA10106	F	IMP	Active	Bennett Valley Fault Crossing	Implement measures to increase water supply reliability and mitigate the risk of pipeline rupture in the vicinity where the 20 inch diameter Sonoma Aqueduct and 24 inch diameter Oakmont Pipeline traverse the Bennett Valley Fault system in Rincon Valley. Construction implementation is reliant in part on securing grant funding.	Water Transmission System	Sonoma Aqueduct Capital Fund	1,183	1,183
WA24017	PF	IMP	Request	Sonoma Creek Crossing (Lawndale/Madrone)	The Sonoma Aqueduct crosses Sonoma Creek both at Lawndale Road (20-inch diameter) and Madrone Road (16-inch diameter) off Sonoma Highway utilizing overhead spans (pedestrian bridge/steel truss) with structural connections that make the pipeline susceptible to failure during a major seismic event. Liquefaction and lateral spread displacement will likely cause the pipelines to fail due to minor differential movement or settlement. The proposed project is a natural hazard reliability project that will provide new bridge support structures and pipeline in order to withstand a major seismic event.	Water Transmission System	Sonoma Aqueduct Capital Fund	4,685	5,003
WA24018	PF	IMP	Request	Sonoma Creek Crossing (Verano Ave/Calabasas Creek/Heaven Hill)	The 16-inch Sonoma Aqueduct crosses Sonoma Creek at three locations near Verano Avenue off Sonoma Highway, under Calabasas Creek, and above grade at Heaven Hill. These three locations were deemed to not pose significant vulnerability through site-specific geotechnical investigations. However, some improvements are proposed at all three sites to improve operational flexibility in the event of a major seismic event.	Water Transmission System	Sonoma Aqueduct Capital Fund	586	2,034
<b>SUBTOTAL</b>								<b>6,454</b>	<b>8,221</b>



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WA10106	F	IMP	Active	Bennett Valley Fault Crossing	Implement measures to increase water supply reliability and mitigate the risk of pipeline rupture in the vicinity where the 20 inch diameter Sonoma Aqueduct and 24 inch diameter Oakmont Pipeline traverse the Bennett Valley Fault system in Rincon Valley. Construction implementation is reliant in part on securing grant funding.	Water Transmission System	Storage Fund	1,183	1,183
WA18005	F	IMP	Active	Kawana to Sonoma Booster Station Pipeline, Phase 1	Construction of the Kawana to Sonoma Booster Station (SBS) pipeline consists of approximately 3 miles of water transmission pipeline, between the Kawana Tanks, Ralphine tanks, and the Sonoma Booster Pump Station. The pipeline will provide operational redundancy and reliability to the system should repairs or replacement be necessary or if a catastrophic event occurs, such as a major earthquake on the Rodgers Creek Fault. Phase 1 of the project will replace the 0.3 mile segment between SBS and the Ralphine tanks. This portion of the existing pipeline traverses beneath Spring Lake, making any potential repairs difficult. The new pipeline will be located outside the footprint of the normally inundated area of the lake.	Water Transmission System	Storage Fund	9,015	9,015
WA11072	F	IMP	Active	Ralphine Tanks - Flow Management	The Ralphine water storage tanks are located at Spring Lake Regional County Park, and are part of the Water Agency's Santa Rosa Aqueduct water transmission system. The project proposes to reconfigure piping at the four above ground steel water reservoirs at the Ralphine Tank farm to improve water circulation/turnover for enhanced water quality and address over constrained structural conditions to reduce the risk of damage during a seismic event.	Water Transmission System	Storage Fund	2,542	2,542
WA20021	F	IMP	Active	Seismic Retrofit of Storage Tanks (Cot1-3, Eld2, Kast, Son2, Ral1-4)	Sonoma Water's transmission system includes 18 steel water storage tanks at nine independent locations. Seismic assessment of the tanks indicates that some tanks may be vulnerable to tensile hoop overstress in the bottom course of the tank shell, resulting from the sloshing of water during a major earthquake. This project proposes to implement operational or design measures to mitigate those structural vulnerabilities.	Water Transmission System	Storage Fund	7,731	9,731
<b>SUBTOTAL</b>								<b>20,471</b>	<b>22,471</b>
WA04048	PF	IMP	Active	Collector 3 & 5 Liquefaction Mitigation	The project will address potential for structural failure of collector wells 3 & 5 at the Mirabel production facilities by mitigating the potential for liquefaction induced lateral spread. Ground improvements, structural upgrades or a combination of approaches will be used to increase the factor of safety for future seismic events. The proposed project will evaluate environmental constraints and assess subsurface soil conditions for mitigating liquefaction induced lateral spread hazards at collectors 3 & 5. Mitigation options may include ground modifications, structural improvements, and/or structural retrofit of the caissons. Construction implementation is reliant in part on securing grant funding.	Water Transmission System	Common Facilities Fund	5,443	5,443
WA07046	PF	IMP	Request	Collector 6 Liquefaction Mitigation	The project will address potential for structural failure of collector well 6 at the Wohler production facilities by mitigating the potential for liquefaction induced lateral spread. Ground improvements, structural upgrades, or a combination of approaches will be used to increase the factor of safety for seismic events. The damage caused by such displacements could be so severe as to render the caisson irreparable. The Collector 6 Liquefaction Mitigation project is a natural hazard reliability project to decrease the structure's vulnerability to failure during a major seismic event. Construction implementation is reliant in part on securing grant funding.	Water Transmission System	Common Facilities Fund	5,300	5,300
WA15012	F	IMP	Active	Demuth Wohler Storage Building	Provide a pre-engineered metal storage building on the Demuth property in the Wohler area for water transmission/supply maintenance related operations and storage of emergency equipment, materials and supplies.	Water Transmission System	Common Facilities Fund	4,316	4,316



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WA24035	PF	IMP	Request	Mirabel Maintenance and Storage Building	Provide a pre-engineered metal storage building in the Mirabel area for water transmission/supply maintenance related operations and storage of emergency equipment, materials and supplies.	Water Transmission System	Common Facilities Fund	1,350	1,350
WA20015	F	IMP	Active	River Diversion Structure Motor Control Center, Pump, and Seismic Upgrade	The purpose of the RDS facility is to transfer water from the Russian River to a series of infiltration ponds that recharge the groundwater basins for Collectors 3, 4, and 5. Several issues have been identified at the RDS facility including the need for replacement of the pumps, the motor control center, and a seismic and structural retrofit project. This project rolls all of those issues into one capital improvement project that will take a holistic look at the system and address the issues listed above.	Water Transmission System	Common Facilities Fund	5,044	5,044
WA16016	F	IMP	Active	Warm Springs Dam Hydroturbine Retrofit	Sonoma Water owns, operates, and maintains the Warm Springs Dam Hydropower Facility (Hydropower Facility). The Hydropower Facility has been in operation since 1989 and produces approximately 9,000–16,000 megawatt-hour per year. The project will modernize and implement retrofits of outdated electrical, mechanical, instrumentation and control systems to extend the useful life of the system, and improve system efficiency and resiliency. The existing hydroturbine is oversized relative to near and long term flow rates. Therefore, this project will replace the hydroturbine runner (impeller) with a smaller one to operate more efficiently. The project, in combination with changing the power buyer from PWRPA to PG&E, will add annual revenue.	Water Transmission System	Common Facilities Fund	2,781	2,781
WA22009	F/FBO	IMP	Active	Santa Rosa Plain Wells Drought Resiliency (Occidental Road & Sebastopol Road)	The project will expand and improve the resiliency of the drinking water supply for over 600,000 people in Sonoma and Marin counties, while also supporting sustainable groundwater management by enabling aquifer storage and recovery (ASR). The project will rehabilitate two groundwater production wells located at Sebastopol Road and Occidental Road groundwater production well facilities by making improvements to meet drinking water standards. Additionally, ASR components will be added at both facilities to recharge potable drinking water from transmission pipelines into the aquifer, as conditions allow. The project will result in an average of 1,400 acre feet per year (AFY) of water supply and an average of 500 AFY of groundwater recharge. Substantially funded by a CA Department of Water Resources grant.	Water Transmission System	Common Facilities Fund	1,203	1,203
WA24019	F	IMP	Active	Wohler Mirabel Communication Resiliency	The existing fiber optic (FO) infrastructure in this area was installed in the late 1990's and is aging, inadequate, and has a high degree of risk exposure to natural disasters including fire, flood, and earthquake. The goal of this project includes establishing redundant pathways between the Mirabel, Wohler, and River Road primary communications facilities which will mitigate these risks. This project will also establish fiber connectivity between the primary communications facilities and the water treatment facilities throughout Wohler and Mirabel. This enhanced infrastructure will allow for modern communications protocols, higher bandwidth, and increased reach of the on-site LAN.	Water Transmission System	Common Facilities Fund	3,393	3,393
WA24020	PF	IMP	Active	ph and Chlorine Systems Upgrade	The proposed project will construct new chlorination and corrosion control facilities at Wohler, Mirabel, and River Rd. The new facilities will ensure the continued safety of staff, neighbors, and visitors passing through the facility. The proposed design includes significant improvements to the redundancy of the system, such that water treatment can be achieved with only 1 of the 3 facilities. The project also includes piping modifications to achieve this redundancy and new compliance instrumentation facilities.	Water Transmission System	Common Facilities Fund	51,392	82,536
WA24021	F	IMP	Request	Emergency Wells (Hazard Reliability Water Supply)	As part of the Emergency Wells project, a feasibility study will be conducted to evaluate potential well sites located in close proximity to Sonoma Water's transmission system that could be activated in response to a natural hazard event that has isolated portions of Sonoma Water's service area from the Russian River diversion facilities. Installation of two to three wells is assumed, with locations that are not currently known.	Water Transmission System	Common Facilities Fund	2,375	18,849



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WA24022	F	IMP	Request	Russian River Wellfield Upgrade (Optimization)	This project will include hydrogeologic and engineering analyses to identify upgrades to maximize the water supply benefit of the existing Russian River Well Field, located at the Mirabel Facility. The project is preliminarily assumed to include the retrofit of four existing wells (1 stand-by), as high head, winterized wells to provide combined capacity of 7 MGD.	Water Transmission System	Common Facilities Fund	1,947	15,147
WA24023	F	IMP	Request	Mirabel 12kv multi-hazard resiliency	Electrical power for the Mirabel pumping facilities is provided from the Wohler sub-station through a 12 kV power line. The overhead power line is susceptible to seismic, flooding, and fire hazards. This project proposes to mitigate that vulnerability by implementing relocation, undergrounding, and/or retrofit measures.	Water Transmission System	Common Facilities Fund	6,373	6,373
<b>SUBTOTAL</b>								<b>90,917</b>	<b>151,735</b>
WA24024	F	Imp	Request	Raw Water Improvements	Improvements are needed to the piping system at the treatment plant in order to facilitate the transmission of partially treated raw water to the Town of Windsor sanitary sewer collection system. Without such improvements unnecessary operations funding is required to maintain pond processes.	Airport-Larkfield-Wikiup Sanitation Zone	ALWSZ Construction	500	500
WA24025	F	Imp	Request	Town of Windsor Recycled Water Intertie	This project will construct a wastewater pipeline between the Airport treatment facility and the Town of Windsor sanitary sewer collection system. The project will allow for the conveyance of raw and/or partially treated wastewater to the Town of Windsor for treatment.	Airport-Larkfield-Wikiup Sanitation Zone	ALWSZ Construction	1,500	1,500
<b>SUBTOTAL</b>								<b>2,000</b>	<b>2,000</b>
WA22013	PF	IMP	Active	Geyserville Force Main Replacement Project	The project will replace 1600 lineal feet of existing 6 inch force main between the lift station and the treatment plant. The asbestos cement pipe (ACP) force main was installed in 1979 and has experienced emergency repairs. This project will replace the old ACP line with HDPE pipe to reduce maintenance costs, improve reliability and reduce potential sewer overflows. Project will provide conduits for future installation of power and communication cables to improve system reliability between the lift station and the treatment plant. Improvements will address concerns stated in the Local Hazard Mitigation Plan 2018. Implementation is dependent on future grant funding.	Geyserville Sanitation Zone	GSZ Construction	1,799	1,799
<b>SUBTOTAL</b>								<b>1,799</b>	<b>1,799</b>
WA22014	PF	IMP	Request	Replace/Upsize Force Main Phase 1 & 2	To prevent future Sanitary Sewer Overflows (SSO), like the one that occurred during the October 2021 rain event, where crews pumped approximately 200,000 gallons to minimize the SSO, this project proposes to replace the existing 6 inch force main (constructed in 1977) with a new 8 inch force main from the lift station through the Sonoma Marin Area Rail Transit's (SMART) right of way to Wilmington Lift Station. Phase 1 of the project is expected to reconstruct the line from the lift station to Corona Road and Phase 2 of the project will similarly upgrade the existing 6 inch force main from Corona Road to the Wilmington Lift Station. Implementation is dependent on future grant funding.	Penngrove Sanitation Zone	PSZ Construction	7,051	13,351
<b>SUBTOTAL</b>								<b>7,051</b>	<b>13,351</b>
WA24037	F	Imp	Request	Sea Ranch North and Central WWTP Siding Replacement	This project is to replace the siding at building at the Sea Ranch Central Treatment Plant.	Sea Ranch Sanitation Zone	SRSZ Operations	440	440
WA24027	F	Imp	Request	Sea Ranch North & Central Influent Meter Replacement Project	This project is to replace the influent meters at the North Treatment Plant and the Central Wastewater Treatment Plant	Sea Ranch Sanitation Zone	SRSZ Operations	200	200
WA24028	F	Imp	Request	Main Lift Station Auxiliary Power (generator)	This project is for auxiliary power at the main lift station.	Sea Ranch Sanitation Zone	SRSZ Operations	150	150
WA24037	F	Imp	Request	Sea Ranch North & Central Influent Meter Replacement Project	This project is to replace the influent meters at the North Treatment Plant and the Central Wastewater.	Sea Ranch Sanitation Zone	SRSZ Operations	220	220
<b>SUBTOTAL</b>								<b>1,010</b>	<b>1,010</b>



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WA24029	F	IMP	Request	Helm's Lift Station Generator	The funds are needed for the purchase of a generator and create compliant permanent setup for the Sea Ranch Sanitation Zone (SRSZ) Helm's lift station.	Sea Ranch Sanitation Zone	SRSZ Construction	220	220
<b>SUBTOTAL</b>								<b>220</b>	<b>220</b>
WA22015	PF	IMP	Active	Occidental County Sanitation District-Graton Pipeline	In an effort to minimize future rate increases by reducing Occidental County Sanitation District costs and providing Graton with an additional source of stable revenue, OCSD and Graton are evaluating the feasibility of constructing a pipe to transport untreated wastewater from OCSD to Graton for treatment and disposal. The proposed pipeline is located in a mixture of public streets and within easements through private properties. It will install approximately 30,000 feet of new 4 inch diameter sewer from OCSD lift station to Graton's existing sewer system. Implementation is dependent on future grant funding.	Occidental County Sanitation District	OCSD Construction	10,226	10,226
<b>SUBTOTAL</b>								<b>10,226</b>	<b>10,226</b>
WA24030	F	Imp	Request	Mixed Liquor Transfer Pumps	The mixed liquor pump gallery at the Russian River treatment plant contains 4 mixed liquor pumps. Of those, 2 are currently being replaced and the second 2 need to be procured and installed. All 4 pumps are beyond their useful life and if a failure were to occur, spills could occur. This project will allow for redundancy and potential higher flows through the aeration basins.	Russian River County Sanitation District	RRCSD Operations	240	240
<b>SUBTOTAL</b>								<b>240</b>	<b>240</b>
WA19019	PF	IMP	Active	Force Main, Headworks, and Lift Station	This project entails replacement of the approximately 9,000 foot force main between the lift station on Riverside Drive and the treatment plant. Additionally the project will include condition assessment of the treatment plant headworks and the 11 lift stations throughout the service area to determine improvements to provide operational and process flow stabilization. Project implementation relies upon securing prop 1 grant funding.	Russian River County Sanitation District	RRCSD Construction	44,746	44,746
WA19028	F	IMP	Active	Main Lift Diesel Tank Replacement	The current underground diesel fuel tank at Russian River main lift station provides fuel for the back up power supply generator. This project proposes to replace the underground tank with an above ground tank and enclosure by 2025 in order to meet current health and safety code requirements. Effective September 25, 2014, Senate Bill (SB) 445 (Stats. 2014, Ch. 547) changed the underground storage tank (UST) regulatory program regarding design and construction of USTs. Specifically, this change requires permanent removal of any UST designed and constructed before January 1, 1984 that does not meet the requirements of certain Health and Safety Codes. USTs must be removed before December 31, 2025. Penalties for systems out of compliance are \$500 to \$5,000 per day per underground storage tank.	Russian River County Sanitation District	RRCSD Construction	119	119
WA22016	F	IMP	Request	Northern and Western Collection System Raising	The collection system in and around the Drakes Estates Lift Station includes a really deep main which requires all of the individual laterals to connect to the main at depths which do not allow easy maintenance. Several laterals have collapsed and/or failed in the area and each event is costly to repair and has only been done in a temporary fashion. In these instances a neighboring lateral has been used to connect the failed lateral which is a much more feasible project than digging to the deep main. However, this method is not necessarily sustainable if multiple neighboring laterals fail.	Russian River County Sanitation District	RRCSD Construction	323	1,786
WA24031	F	IMP	Request	Tertiary Filter Replacement	During the third unit process upgrade, tertiary cloth filters were procured and installed in 2005. The filter units were painted steel, in 2017 as part of a compliance project, one of the two filters was internally repainted, the second filter was replaced with a new stainless steel unit. The internally repainted filter useful life will expire in 2026 and should be replaced in-kind with a new replacement stainless steel unit. The stainless steel units have an expected life of 30 to 50 years, while the coated steel units have a 10 to 20 year expected life.	Russian River County Sanitation District	RRCSD Construction	613	613
<b>SUBTOTAL</b>								<b>45,801</b>	<b>47,264</b>



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WA14021	F	IMP	Active	Sonoma Creek Bank Repair	Repair eroding banks in 3 locations that are posing a risk to Sanitation structures. Two locations along Sonoma Creek and one along Kohler Creek at 13965 Arnold Drive in Glen Ellen. Site A is adjacent to Sonoma Valley sanitation sewer trunk line. Site B is adjacent to manhole and siphon under Sonoma Creek. Site C is a manhole on the trunk line adjacent to eroding bank in Kohler Creek.	Sonoma Valley County Sanitation District	SVCSD Operations	490	490
WA23007	F	IMP	Active	Sonoma Valley Roof Replacement	Replace roofs at the Administration Building (5,760 sf) and Maintenance Building (2,200 sf) at SVTP, including upgrading/replacing access hatches, ladder extension, fall protection, skylights, venting, drains, HVAC, etc. Project will also upgrade the roofing drainage of the Influent/Effluent Building where the roofing material was recently replaced.	Sonoma Valley County Sanitation District	SVCSD Operations	300	300
WA22003	F	IMP	Request	Re-coat Aeration, Chlorine Contact & Grit Basins	Install paint-on epoxy layer to reline the 4 concrete Aeration Basins, 2 concrete Chlorine Contact Basins, and the Concrete Grit Structure. Work on Aeration basins assumes removing existing 2 inch thick grout layer, a nominal amount of concrete repairs, install new 2 inch thick grout layer, and 2 coats of different color epoxy coating. Work on Chlorine Contact and Grit Structure assumes shot blasting to prepare the existing concrete surface, a nominal amount of concrete repairs, then applying 2 coats of different color epoxy coating. Consultant investigation to core sample the various basins to verify structural integrity.	Sonoma Valley County Sanitation District	SVCSD Operations	2,510	2,510
WA23010	F	IMP	Active	Management Unit Restoration	Sonoma Land Trust is initiating efforts to restore significant tidal portions of Sonoma Creek Baylands and has expressed interest in coordinating restoration efforts with SVCSD. SVCSD owns, operates, and maintains two large recycled water storage ponds and several freshwater mitigation ponds on two parcels known as the SVCSD Management Units 1 and 2. Existing levees surrounding the management units are highly vulnerable to flooding and erosion and require regular maintenance and levee road repairs. These problems will only be exacerbated with sea level rise. This project aims at restoring tidal action within the management units and incorporating long-term measures to protect existing infrastructure. This project aims at supporting and coordinating with Sonoma Land Trust final design process to support future grant applications to fund construction.	Sonoma Valley County Sanitation District	SVCSD Operations	161	161
<b>SUBTOTAL</b>								<b>3,461</b>	<b>3,461</b>
WA18020	F/FBO	IMP	Active	Clarifier Seismic Retrofit	The project entails replacement of the interior mechanical components of two 140-foot diameter concrete clarifier tanks at the Sonoma Valley CSD WWTP to meet current seismic design requirements. Construction will be predominantly limited to work within the concrete tanks for removal of existing, interior mechanical components and some foundation work. Following foundation work and surface preparation of the concrete floor, the new mechanical components will be installed within the clarifiers. Project is partially funded with a FEMA grant.	Sonoma Valley County Sanitation District	SVCSD Construction	304	304
WA19023	F	IMP	Active	Trunk Sewer Replacement, Phase 5	The Sonoma Valley County Sanitation District phase 5 project involves the replacement of approximately 8,245 linear feet of existing 21 inch and 18 inch reinforced concrete pipe trunk main in the SVCSD collection system with a larger sized trunk main to accommodate existing peak flows without overflows. This project is being built in response to a cease and desist order issued by the California Regional Water Quality Control Board to the SVCSD on June 10, 2015 (CDO No.R2-2015-0032).	Sonoma Valley County Sanitation District	SVCSD Construction	10,963	10,963
WA21018	PF	IMP	Request	Effluent Recycled Water Line Replacement	The project would consist of installing approximately 5000 feet of new 24-inch diameter PVC pipeline that would parallel the existing effluent line from the District's Wastewater Treatment Plant (WWTP) to the District's B1 pump station. The new effluent pipeline would run from the existing effluent meter within the WWTP, then head east along the WWTP access road, then south down 8th Street East; then east on State Highway 12 crossing under the existing rail road tracks, then south down an existing gravel access road to the District's B1 Pump station. The existing pipeline would be abandoned in place. Construction implementation is reliant in part on securing grant funding.	Sonoma Valley County Sanitation District	SVCSD Construction	5,390	5,390



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WA21019	F	IMP	Active	Influent/Effluent Pumping and Piping Upgrade	The electrical and mechanical pumping, piping and valving systems associated with the Sonoma Valley Treatment Plants Influent pumping and piping room are in need of replacement. Overall age of infrastructure and corrosion of piping has led to the need for replacement. Some of the electrical equipment is from 1978 original construction. The Project includes the design and construction of influent pumping and piping, new electrical equipment, variable frequency drives, and new programming and logical controls for the facility. The project is critical to overall function of the treatment plant and improves the resilience of the facility.	Sonoma Valley County Sanitation District	SVCSD Construction	699	699
WA22012	PF	IMP	Active	Hooker Creek Trunk Main Seismic Mitigation	The 18 inch reinforced concrete pipe sewer crossing at Hooker Creek in Sonoma Valley has been identified as being vulnerable to liquefaction, lateral spread, and ground shaking. In addition, there is an active bank failure propagating in the direction of the trunk main. This project will develop alternatives to mitigate the seismic and erosion risks, and includes design and construction of a new crossing. The project reduces the risk of trunk main failure and associated public health and safety risk and environmental impacts. Construction implementation is reliant in part on securing grant funding.	Sonoma Valley County Sanitation District	SVCSD Construction	4,055	4,055
WA23011	F	IMP	Request	Disinfection System Upgrades	The existing disinfection system at the Sonoma Valley Treatment Plant utilizes gaseous chlorine for disinfection and sulfur dioxide for dechlorination. The Project includes planning, design, and construction of a new ultraviolet disinfection system, associated piping, electrical, and new programming and logical controls for the system.	Sonoma Valley County Sanitation District	SVCSD Construction	7,494	12,494
WA23012	F	IMP	Request	Sludge Thickener Upgrade	Replace interior mechanical components of the 50-foot diameter concrete sludge thickener tank at the Sonoma Valley County Sanitation District Wastewater Treatment Plant to meet current seismic design requirements. Construction will be predominantly limited to work within the concrete tanks for removal of existing, interior mechanical components and some foundation work. Following foundation work and surface preparation of the concrete floor, the new mechanical components will be installed within the sludge thickener tank.	Sonoma Valley County Sanitation District	SVCSD Construction	1,820	1,820
<b>SUBTOTAL</b>								<b>30,725</b>	<b>35,725</b>
WA21012	F	IMP	Request	Barbara-Winston Collection System Replacement Project	Significant portions of the sanitary sewers located in the neighborhoods and side streets along the Moorland Avenue corridor, between Bellevue Avenue and West Robles Avenue are asbestos concrete pipe (ACP) constructed in the 1960's. The pipes have a variety of observed structural defects, including joint offsets, line deviations, and cracks which make them susceptible to failure and increased infiltration. The project will replace these pipes that are nearing the end of their useful life, including approximately 3200 feet of 6-inch and 8-inch pipe with new polyvinyl chloride (PVC) pipe, along with approximately 60 laterals, 12 manholes and appurtenant facilities and surface restoration.	South Park County Sanitation District	SPCSD Construction	4,400	4,400
WA21013	F	IMP	Active	Santa Rosa Ave Sewers Collection System - Todd to E. Robles	Wastewater collection from the properties located along Santa Rosa Avenue, between E. Todd Avenue and E. Robles Avenue, is served by two sewers located along the eastern and western portions of Santa Rosa Avenue. These existing sewer pipes predominantly consist of vitrified clay and asbestos concrete pipe (VCP & ACP) constructed in the 1950's and 60's, respectively. The clay pipes are characterized by an abundance of cracks and roots, with a few more severe hinge fractures and one observation of "broken, soil visible". The asbestos pipe has some cracks and two sags which can adversely affect operations. These pipe segments, which are nearing the end of their useful life, total approximately 6650 feet of 6-inch, 8-inch, and 12-inch pipe that are susceptible to failure and infiltration leading to increased wastewater overflow risks. The project will replace these pipes with new polyvinyl chloride (PVC) pipe, in addition to approximately 20 manholes, numerous laterals serving approximately 35 mostly-commercial properties, and appurtenant facilities and surface restoration.	South Park County Sanitation District	SPCSD Construction	8,095	8,095



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WA24033	F	IMP	Active	McMinn & Hughes Sewer Funding Agreement	The City of Santa Rosa is embarking on planning and design of water system, storm drain, and sewer collection system improvements along McMinn Ave and Hughes Ave within the South Park County Sanitation District. The District owns approximately 1,100 linear feet of sewer main within the project area. This project includes entering into a funding agreement with the City to fund the County's fair share of sewer improvements as part of the City's project	South Park County Sanitation District	SPCSD Construction	750	750
<b>SUBTOTAL</b>								13,245	13,245
<b>GRAND TOTAL</b>								\$ 361,103	\$ 472,864

**DESCRIPTION:**

**REQ:**

This is the project tracking number or project request number

**FUNDING STATUS**

PF = Partially Funded U = Unfunded FBO= Funded By Others

**PROJECT TYPE**

BLD = Building DEMO = Demolition DM= Deferred Maintenance for CIP IMP = Improvement LDI = Land Improvements SP = Space / Move Management PL = Planning

**PROJECT STATUS**

ACTIVE = Currently in progress REQUEST = Pending for funding

**PROJECT NAME**

Name of the project - keywords / brief description

**PROJECT DESCRIPTION**

Description of project - may include details / current status update

**FUNDING REQUESTED '000**

Funding needed to complete the project in thousands of dollars