

Board Approved Funding Filters (September 27, 2022 Board Meeting)

Funding Filters for Prioritization:

1. Repair/Replace Existing Infrastructure Projects
2. Public Health and Safety Projects
3. Shovel Ready (Permits and Land Rights Secured) Projects
4. Multi-Benefit Projects
 - a. Environmental Justice Benefit Projects
5. Partially External-Funded (Grants and Partnerships) Projects

Staff Assumptions and Analysis

Key Assumptions:

1. All Valley Water Capital Projects are important to delivering our mission
2. Certain projects are mandated (e.g. Anderson Dam Seismic Retrofit Project) and are therefor exempt from the analysis
3. Funding constraints necessitate that we prioritize our projects to ensure the fiscal health of our funds

FUNDING FILTERS FOR PRIORITIZATION

Water Utility Enterprise Fund (Fund 61)

			SCHEDULE	Project Categories										Notes/Justification	
PROGR.	FUND	PROJ NO. PROJECT NAME	FY to Construction	Results:											
				YES	NO	Repair/Replace Existing Infrastructure	Public Health and Safety	Show Ready (Permits and Land Rights Secured)	Multi-Benefit Project	Multi-Benefit Project: Environmental Justice Benefit	Partially External-Funded (Grants and Partnerships)				
WS-Treatment	61	93294057 RWTP Reliability Improvement	Phases 3-6, FY23	4	2	Y	Y	Y	Y	N	N	Project is repairing and replacing existing treatment plant infrastructure. Project will ensure the Public receives a reliable supply of safe, clean water. Multi-Benefit because the project conducts maintenance on existing infrastructure and provides public health and safety and will increase the plants capacity from 80 to 100MGD (increase of approx. 25%). Project is ready to bid in FY23. Project seeking grant funding.			
WR-Coyote	61	95C40400 Project 1 Design & Construction (e.g. Metcalf Ponds)	FY27	3	3	Y	Y	N	Y	N	N	Name change: Coyote Percolation Dam Fish Passage Phase 2 (per L.Benefit)			
WS-Storage	61	91854001 Almaden Dam Improvements	canal FY26, dam FY30	3	3	Y	Y	N	Y	N	N	Repair/Replace Existing Infrastructure - Improvements at the Almaden Dam include construction of a new intake structure and the modifications to the spillway and the rehabilitation and repair of the 4.5-mile-long Almaden-Calero Canal. Public Health and Safety - A failure of either the intake structure or the spillway could cause a risk to the Dam and place downstream communities in danger. Multi-Benefit Project - The Almaden Dam creates a reservoir with capacity of about 1,586 acre-feet and impounds water in the reservoir for conservation, ground water recharge, flood protection, environmental flows, and recreation. Multi-Benefit Project: Environmental Justice Benefit - The project will provide health and safety benefits to all communities downstream of the dam equally.			
WS-Storage	61	91894002 Guadalupe Dam Seismic Retrofit - Design & Construct	FY25	3	3	Y	Y	N	Y	N	N	Repair/Replace Existing Infrastructure - The project will remediate serious seismic deficiencies in Guadalupe Dam including stabilizing the embankment, replacing the intake structure, replacing the spillway, and building new outlet works. Public Health and Safety - A failure of the dam during an earthquake will cause downstream communities to be flooded with serious life and property damages. Multi-Benefit Project -The Guadalupe Dam creates a reservoir with capacity of about 3,564 acre-feet and impounds water in the reservoir for storing natural watershed runoff, replenishing downstream wells by ground water recharge, and providing recreation and environmental flows, and incidental flood control. Multi-Benefit Project: Environmental Justice Benefit - The project will provide health and safety benefits to all communities downstream of the dam equally.			
WS-Storage	61	91874004 Calero Dam Seismic Retrofit - Design & Construct	FY32	3	3	Y	Y	N	Y	N	N	Repair/Replace Existing Infrastructure - The project will remediate serious seismic deficiencies in Calero Dam including stabilizing the embankment, replacing the intake structure, replacing the spillway, and building new outlet works. Public Health and Safety - A failure of the dam during an earthquake will cause downstream communities to be flooded with serious life and property damages. Multi-Benefit Project - The Calero Dam creates a reservoir with capacity of about 9,934 acre-feet. The District uses Calero Reservoir to store natural watershed runoff, replenish downstream wells by ground water recharge, provide flood control, and provide recreation and environmental flows. Controlled releases from Calero Reservoir also provide raw water for treatment at the District's Riconada or Santa Teresa water treatment plants. Storage in Calero Reservoir also serves as the emergency backup to the District's imported water supplies. Multi-Benefit Project: Environmental Justice Benefit - The project will provide health and safety benefits to all communities downstream of the dam equally.			
WS-Storage	61	91234002 Coyote Pumping Plant ASD Replacement	FY24	3	3	Y	Y	N	Y	N	N	Project proposes to replace and/or rehabilitate existing ASDs and associated mechanical, electrical, and control equipment at the CPP. Project within the existing footprint of CPP property. Project transitioning from planning into design-build Phase 1 (i.e., design and pre-construction). Multi-Benefit because the project conducts maintenance on existing infrastructure and provides public health and safety.			
WS-Transmission	61	92144001 Pacheco/Santa Clara Conduit Right of Way Acquisition	FY23-FY24	3	3	Y	Y	N	Y	N	N	Land rights needed for maintenance on the existing San Felipe System (Pacheco Conduit and Santa Clara Conduit). Multi-Benefit updated to "Y" access required to maintain our PL is a Public Safety issue.			
WS-Storage	61	91954002 Pacheco Reservoir Expansion Project (A1)	FY28	3	3	N	Y	N	Y	N	Y	Public Health & Safety: The project will boost Pacheco Reservoir's operational capacity from 5,500 acre-feet to up to 140,000 acre-feet, enough to supply up to 1.4 million residents with water for one year in an emergency. The project will also reduce the frequency and severity of water shortages during droughts, protect our drinking water supply and infrastructure, and improve fish habitat. Multi-Benefit Project: Increase suitable habitat in Pacheco Creek for federally threatened steelhead. Develop water supplies for environmental water management that support habitat management and other environmental water needs. Partial External - Funded (Grants & Partnerships): California Water Commission Prop 1 Water Storage Investment Program (WSIP) Grant in amount of \$504 was awarded to Project. Valley Water applied for a Water Infrastructure Finance and Innovation Act (WIFIA) loan, a low-cost federal loan from the EPA. Valley Water is also working with Reclamation to acquire WINNACT funding. Valley Water has partnered with the San Benito County Water District, and the Pacheco Pass Water District, as strategic and long-term investment toward ensuring a more reliable supply of safe, clean drinking water in the face of climate change. Other partnerships are currently being evaluated.			
WS-Recycled Wtr	61	91304001 Purified Water Program (PWP)	FY25	3	3	N	Y	N	Y	N	Y	Project will provide drought resilient water supplies for the county leading up to an additional 12,000 acre-feet per year of local supply by 2028. Project decreases reliance on imported and locally stored water by providing a safe and reliable supply to augment existing groundwater levels and reduce the risk of subsidence from over-pumping. Project will be delivered via Public-Private-Partnership (P3) and financed by both the P3 entity and external funding from the US EPA WIFIA and the USBR Title 16 grant program.			
WS-Transmission	61	92304001 Almaden Valley Pipeline Replacement Project	FY29	2	4	Y	Y	N	N	N	N	Rehabilitate PCCP pipeline segments that are most high risk for failure.			
WS-Transmission	61	94084007 Treated Water Isolation Valves	FY25-26, FY28	2	4	Y	Y	N	N	N	N	Valves to be constructed have been identified as recommended projects under the "Infrastructure Reliability Plan." There are three valves that will be constructed in three phases with their respective pipeline shutdowns.			
WS-Treatment	61	93234044 PWTP Residuals Management Project	FY25	2	4	Y	Y	N	N	N	N	Project proposes to replace and/or rehabilitate existing WTP residual management (i.e. wastewater handling and solids production) facilities. Project within the existing footprint of WTP property. Project transitioning into 30% design phase.			
WS-Treatment	61	93084004 Water Treatment Plant Electrical Improvement Project	FY25	2	4	Y	Y	N	N	N	N	Construction phase is proposed to start in FY25. In early FY23, Asset Management Unit submitted a scope change request to add MCC-DP1 and MCC-DP2 to the scope of work of the project. A feasibility and potential consequence study were conducted to determine the adoption of this change into the project. These delays caused the project schedule to start construction in FY 25. The project conducts maintenance on existing infrastructure, enhances electrical system reliability, and increases electrical system back-up power capacity in responses to electrical power shutoff safety events for improved public health and safety.			

FUNDING FILTERS FOR PRIORITIZATION

Watersheds Stream Stewardship Fund (Fund 12)

			Project Categories											
PROGR.	FUND	PROJ NO.	PROJECT NAME	FY to Construction								Notes/Justification		
Results:					Repair/Replace Existing Infrastructure	Public Health and Safety	Shovel Ready (Permits and Land Rights Secured)	Multi-Benefit Project	Multi-Benefit Project: Environmental Justice Benefit	Partially External Funded (Grants and Partnerships)				
YES					NO									
WR-MultiWS	12	20444001	Calabazas/San Tomas Aquino Creek Marsh Connection		4	2	Y	Y	N	Y	N	Y	Multi-benefit project would restore 1800+ acres of tidal marsh and wetlands habitat, provide resilient flood protection, improve water quality at A8 Ponds and Pond A4 (owned by USFWS and VW, respectively), increase public access, and provide benefits to underserved community of Alviso. Project would also reconstruct and realign the failing lower STA Creek flood protection channel and enable improved operation of Pond A4, reducing O&M costs.	
FP-Lower Peninsula	12	10394001	Palo Alto Flood Basin Tide Gate Structure Improvements	FY24	4	2	Y	N	Y	Y	N	Y	Multiple Benefits as follows: 1) Continued recreational use of the tide gate structure & SF Bay Trail. 2) Continued fluvial flood protection provided by the tide gate structure. 3) Continued costal flood protection provided by the tide gate structure. 4) Prevent inundation of Palo Alto Flood Basin habitat which would result if existing tide gate structure were to fail. Working on cost share agreement with City of Mountain View and City of Palo Alto.	
FP-Lower Peninsula	12	10244001	Permanente Creek, SF Bay to Foothill Expressway	FY23	3	3	Y	N	Y	Y	N	N	Project retrofits the floodwall footings. Project designed to not require environmental permits and right of way is not an issue. Project will allow VW to complete FEMA LOMR application to remove parcels from existing floodplain maps.	
FP-Guadalupe	12	30154019	Guadalupe River Tasman Dr - I-880	FY26	2	4	Y	Y	N	N	N	N	This is a repair of an existing flood risk reduction project that has a reduced level of service. This project affects public health and safety because Valley Water has committed to provide one percent annual chance of exceedence flood protection. Failure to do so would threaten safety and health of the public that relies on the protection this project provides.	
FP-Uvas/Llagas	12	50284010	Llagas Creek--Lower, Capacity Restoration, Buena Vista Road to Pajaro River	FY25	4	2	Y	Y	N	Y	Y	N	Repair/Replace Existing Infrastructure: Existing infrastructure, such as existing levees, bridge overcrossings, and storm drain outfalls, etc. Public Health and Safety: The portion of completed Project, adjacent to the South County Wastewater Treatment Plant will provide 100-year level of flood protection. Multi-Benefit Project: Flood protection and provides beneficial uses to wildlife while enhancing habitat. Multi-Benefit Project: Environmental Justice Benefit: The Project will benefit south Santa Clara County which includes several disadvantage communities.	
FP-Multi	12	62084001	Watersheds Asset Rehabilitation Program (WARP)	ongoing	2	0	Y	Y	N/A	N/A	N/A	N/A	Projects under this Program are maintenance projects to maintain the level of service of the assets. Most of the Projects are implemented within VW's R/W using the Stream Maintenance Program permits. Typically, they are multi-beneficiary such as non-native vegetation removal or concrete removal. Some of the Projects have cost share Agreements with the Cities and other grants.	

FUNDING FILTERS FOR PRIORITIZATION

Safe, Clean Water and Natural Flood Protection Program Fund (Fund 26)

			SCHEDULE	Project Categories												
PROGR.	FUND	PROJ NO.	PROJECT NAME	FY to Construction	Results:											Notes/Justification
					<div><div>Repair/Replace Existing Infrastructure</div><div>Public Health and Safety</div><div>Shovel Ready (Permits and Land Rights Secured)</div><div>Multi-Benefit Project</div><div>Multi-Benefit Project: Environmental Justice Benefit</div><div>Partially External-Funded (Grants and Partnerships)</div></div>											
					YES	NO										
FP-Uvas/Llagas	26	26174055	Llagas Creek-Upper, Corps Coordination (E6b)	N/A, ongoing Phase 2B in FY24	6	0	Y	Y	Y	Y	Y	Y	Y	Repair/Replace Existing Infrastructure: Existing infrastructure, such as existing box culvert & bridge overcrossings, bridge headwalls, etc. Public Health and Safety: The completed Project will provide 100-year level of flood protection. Shovel Ready: Permits have been obtained for all Project Construction Phases: Multi-Benefit Project: Flood protection, reduces erosion resulting in sediment reduction to the Monterey Bay, provides beneficial uses to wildlife while enhancing habitat, supports public open space/recreation opportunities. Multi-Benefit Project: Environmental Justice Benefit: The Project will benefit south Santa Clara County which includes several disadvantage communities. Partially External-Funded: Cost Share Agreements with City of Morgan Hill, NRCS Grant funding pending.		
FP-Lower Peninsula	26	26284002	San Francisquito Creek - Construction, SF Bay to Middlefield Road (E5)	In-channel & TOB FY24, Pope-Chaucer FY25	5	1	Y	Y	N	Y	Y	Y	Y	Project replaces two bridges, retrofits/replaces existing floodwalls, and constructs some new walls. Project will provide flood protection, ecosystem protection/improvement, and recreational benefits to surrounding communities. Project will be funded by federal and state grants, such as FEMA, USACE, CalTrans, and Prop 1 grants.		
	26	26174043	Coyote Creek, Montague Expressway to Tully Road (E1)	FY24	4	2	N	Y	N	Y	Y	Y	Y	After the 2017 storm and flooding along Coyote Creek, an interim floodwall and berm were constructed in the Rocksprings neighborhood. The Coyote Creek Flood Protection Project will replace the temporary flood measures. There is no existing infrastructure to protect the communities from the expected Anderson Dam outlet flows. Coyote Creek Flood Protection Project provides public health and safety by reducing flood risks along the creek to residences, schools and businesses. The Project also provides protection for the outlet flows of the Stage 2 outlet construction at Anderson Dam. The Project will provide protection to several Disadvantaged Communities in Reaches 6 & 8, and Severely Disadvantage Communities in Reach 8. The Project was part of the NOI for the EPA WIFIA loan and is looking to be submitted as part of the NOI for FEMA's BRIC grant.		
FP-West Valley	26	26074002	Sunnyvale East and West Channels (E2)	FY24	4	2	Y	Y	N	Y	N	Y	Y	Repair/Replace Existing Infrastructure: Existing infrastructure, such as existing box culvert & bridge overcrossings, bridge headwall, etc. Public Health and Safety: The completed Project will provide 100-year level of flood protection. Multi-Benefit Project: Flood protection, reduces erosion resulting in sediment reduction to the SF Bay, supports recreation opportunities. Partially External-Funded: Cost Share Agreements with Google/City of Sunnyvale, and a WIFIA loan pending.		
FP-Guadalupe	26	26154003	Guadalupe Rv-Upper, SPRR-Blossom Hill (Rch 7-12) (E8)	FY26	5	1	Y	Y	N	Y	Y	Y	Y	Several bridges will be replaced; project has benefits for aquatic habitat, added riparian habitat, and recreational improvements for city trails; will reduce flood risk within disadvantaged communities; project will be partially funding by US Army Corps of Engineers.		
FP-Coyote	26	26324001	Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps (E4)	FY26	4	2	Y	Y	N	Y	Y	Y	N	Waiting for VW Upper Management Direction Regarding Design phase.		
WS-Transmission	26	26764001	IRP2 Additional Line Valves (A3)	FY23-FY27	3	3	Y	Y	Y	N	N	N	N	Valves to be constructed have been identified as recommended projects under the "Infrastructure Reliability Plan." There are four valves that will be constructed in four phases with their respective pipeline shutdowns. Valve to be constructed on the Snell Pipeline is shovel ready and is scheduled to begin construction in FY23.		
FP-Multi	26	26444002	San Francisco Bay Shoreline - EIAs 1-4	FY26	3	3	N	Y	N	Y	N	Y	Y	Multiple benefits as follows: 1) Coastal flood risk management. 2) Ecosystem restoration. Feasibility study cost share agreement with USACE as lead agency and Valley Water and Coastal Conservancy as non-federal sponsors. Waiting for CORP to give further implementation guidance		
WR-MultiWS	26	26C40370	SCW Implementation: Fish Passage Improvements (D4)	FY28	1	5	Y	N	N	N	N	N	N	Use \$6.7M by FY2026 for fish passage improvements (likely to be Moffett Fish Ladder fix)		
WR-Guadalupe	26	26044001	Almaden Lake Improvements (D4.2)	FY25	1	5	N	N	N	Y	N	N	N	Multiple benefits are: 1) Improve creek water quality and reduce creek water temperatures by removing the artificial connection between Alamilos Creek and the lake. 2) Reduce production of methylmercury, and mercury in target fish in Almaden Lake to meet applicable water quality objectives. 3) Improve anadromous fish passage and riverine habitat. 4) Reduce non-native fish predation.		

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