



# ***Safe, Clean Water*** ***and Natural Flood Protection***

Presented by: Meenakshi Ganjoo, Program Administrator

# Agenda

Renewed Safe, Clean Water Program

Proposed Adjustments

5-Year Targets

Questions



# 6 Community-Preferred Priorities



**Priority A**  
Ensure a safe, reliable  
water supply

**Safe, Clean Water**  
and Natural Flood Protection



**Priority B:**  
Reduce toxins, hazards and  
contaminants in our waterways

**Safe, Clean Water**  
and Natural Flood Protection



**Priority C:**  
Protect our water supply and dams from  
earthquakes and other natural disasters

**Safe, Clean Water**  
and Natural Flood Protection



**Priority D:**  
Restore wildlife habitat  
and provide open space access

**Safe, Clean Water**  
and Natural Flood Protection



**Priority E:**  
Provide flood protection to homes,  
businesses, schools, and highways

**Safe, Clean Water**  
and Natural Flood Protection



**Priority F:**  
Support public health and  
public safety for our community

**Safe, Clean Water**  
and Natural Flood Protection

# Proposed Adjustments





# Proposed Adjustments

## **A1:** Pacheco Reservoir Expansion

**Schedule (fund transfer):** Fund transfer to occur in FY25-31 instead of FY27 and FY28. Schedule adjustment helps maintain the health of the Safe, Clean Water Fund.

## **C1:** Anderson Dam Seismic Retrofit

**Schedule (fund transfer):** Fund transfer to occur in FY25-32 instead of FY28. Schedule adjustment helps maintain the health of the Safe, Clean Water Fund.



## Proposed Adjustments (cont'd)

### **D1:** Management of Riparian Planting and Invasive Plant Removal

**Funding:** 15-year estimated funding allocation reduced by \$16.2M, from \$68.9M to \$52.7M. Reduction possible due to the strategy to have Valley Water staff to do the job with support of contract staff, thus reducing the project cost.

### **E2:** Sunnyvale East and Sunnyvale West Channels Flood Protection

**Text Adjustment (Benefits):** Clarifies these are constructed channels and not natural streams.

“...Improves ~~stream~~ channel water quality by providing erosion control measures to decrease sediment and turbidity...”



## Proposed Adjustments (cont'd)

### E7: San Francisco Bay Shoreline Protection

**Text (Description):** To align the description with the KPIs.

“This project relies on federal participation from the USACE ~~to develop the project and prepare review and approve~~ the plans. Without federal participation, Valley Water cannot implement planning, design and construction on our own due to limited available funding. The ~~proposed~~ Safe, Clean Water funding provides ~~a portion of the local share of funding for planning, design and construction phases~~ ~~Valley Water’s cost share to complete the planning study, design and construction~~ for Economic Impact Areas (EIAs) 1-4, and ~~provides Valley Water’s cost share to complete a portion of the local share of funding~~ for the planning study and design phases for EIAs 5-9 ~~10~~.”

**Funding:** To split total \$46M in funding between Safe, Clean Water Fund (providing \$30.4M) and the Watershed Stewardship Fund (providing \$15.6M). This is to ensure Valley Water delivers the KPI while responsibly managing the SCW Fund.



## Proposed Adjustments (cont'd)

### **E8:** Upper Guadalupe **River** Flood Protection

**Text (Name):** Inserting “River” in the project name.

### **F1:** Vegetation Control and Sediment Removal for Capacity

**Funding:** The estimated 15-year funding allocation reduced by \$10.5M, from \$114.1M to \$103.6M. Reduction possible due to the strategy to have Valley Water staff to do the job with support of contract staff, thus reducing the project cost.





# Proposed Adjustments (cont'd)

## F3: Flood Risk Assessment Studies

**Description:** Text adjustment to provide current information.

“...When creek conditions necessitate rehabilitation to preserve flood protection, this project also funds preliminary engineering studies to isolate problem areas and explore potential solutions. ~~Current engineering studies to be completed are:~~

- ~~• Calera Creek near Milpitas High School to Interstate 680 in Milpitas, which will feed into the design of Project E3: Lower Berryessa Flood Protection~~
- ~~• Tributaries to Lower Silver Creek (Ruby, Norwood, Quimby and Fowler creeks) in San José~~
- ~~• Ross Creek in San José, from Guadalupe River to Blossom Hill Road~~

Under the 2012 Safe, Clean Water Program, ~~As of June 30, 2019~~, Valley Water ~~had~~ completed ~~four (4)~~ engineering studies on five (5) reaches of creeks as part of the Flood Risk Assessment Studies ~~under this~~ project. These were on Coyote Creek (Bay to Anderson Dam, including Rock Springs Neighborhood); Adobe and Barron creeks tidal flood protection (Highway 101 to Middlefield Road in Palo Alto); ~~and~~ Alamos Creek (upstream of Almaden Lake in San José) ~~and~~ Ross Creek (Guadalupe River to Blossom Hill Road in San José)...”



# Proposed Adjustments (cont'd)

## Annual Report

- **Production schedule:** Due to availability of audited financial data, print the final report in December/January instead of November.



# Adjustments Approved Within FY2022-26 CIP

## A3: Pipeline Reliability

**Schedule:** The overall project construction schedule is extended by two years and will be completed in FY28 instead of FY26. The extension allows the project work to be coordinated with the 10-Year Pipeline Inspection & Rehabilitation Project and minimize customer impacts. 3 valves will be installed by the end of FY26, and the 4th valve in FY28.

## D4: Fish Habitat and Passage Improvement

**Funding:** Estimated funding allocation increased by about \$26M, from \$44.1M to \$70.1M, due to the increase in the Almaden Lake Project estimated funding allocation. The Almaden Lake project estimated construction costs have increased primarily due to the water source change and cost refinements, resulting from the project approaching 60% design plans.



# Adjustments Approved Within FY2022-26 CIP (cont'd)

## **D6:** Restoration of Natural Creek Functions

**Funding:** The estimated funding allocation increased by \$2.6M, from \$14.5M to \$17.1M, primarily due to increased estimated construction costs for the Bolsa Road Fish Passage Improvement project to \$6.6M. The construction costs have increased due to several factors, including project refinements to accommodate the need for permanent access ramps for maintenance purposes. The Bolsa Road Fish Passage Improvement project is one of the three projects to be constructed under Project D6.



# Adjustments Approved Within FY2022-26 CIP (cont'd)

## **E1:** Coyote Creek Flood Protection

**Funding:** The estimated funding allocation for this project has risen from \$41.8M to \$45.7M because of a \$3.9M increase in estimated project cost. The cost increase is a result of further refinement of project cost estimates in late 2020.

## **E2:** Sunnyvale East and Sunnyvale West Channels Flood Protection

**Schedule:** Project construction has been pushed back by about 2 years to begin in FY22 and be completed in late FY26. This is because of continued discussions with Google regarding their Caribbean Development Project, which will enhance approximately 1,100 linear feet of the Sunnyvale West Channel and generate on-site mitigation for use by Valley Water.





# Adjustments Approved Within FY2022-26 CIP (cont'd)

## **E5: San Francisquito Creek Flood Protection**

**Funding:** The estimated funding allocation has increased by \$12.4M, from \$31.5M to \$43.9M, because of project plan updates to reflect the full cost of the local-funding only project. The updates include \$8.9M in Caltrans grant being sought by the City of Palo Alto for the Newell Road Bridge Replacement Project. Also, the San Francisquito Creek Joint Powers Authority, the project sponsor, is seeking \$20M from grants, partnerships contributions, and/or Continuing Authorities Program Section 205 funding from the U.S. Army Corps of Engineers (USACE) to help mitigate project costs, which would otherwise be funded from Safe, Clean Water Program Reserves.



# Adjustments Approved Within FY2022-26 CIP (cont'd)

## E6: Upper Llagas Creek Flood Protection

**Funding:** The Estimated funding requirement has risen by nearly \$34M from \$46.3M to \$80.1M. It's primarily due to a \$20M increase in construction cost estimates for Phase 2A. Also, staff recommends that the \$80M placeholder for Phase 2B construction in the Program be included as part of the project, bringing the total project cost to \$160.1M.

The Phase 2A construction cost has increased from an estimated \$30M to \$50M due to several factors, such as increased tunnel costs, additional utility relocation required, and the City of Morgan Hill's Hale Avenue Extension Project (to be fully reimbursed by the city), etc. Of the required funding, Valley Water expects to receive \$7.3M in state reimbursements. Valley Water is also seeking \$80M in NRCS grant for Phase 2B.



# Adjustments Approved Within FY2022-26 CIP (cont'd)

## **E8:** Upper Guadalupe River Flood Protection

**Schedule:** Local-funding only project (KPI #2) construction schedule pushed by 3 years to be completed in FY29. This is necessary to allow the USACE to conduct a General Re-evaluation Study, which is expected to be completed in FY24.

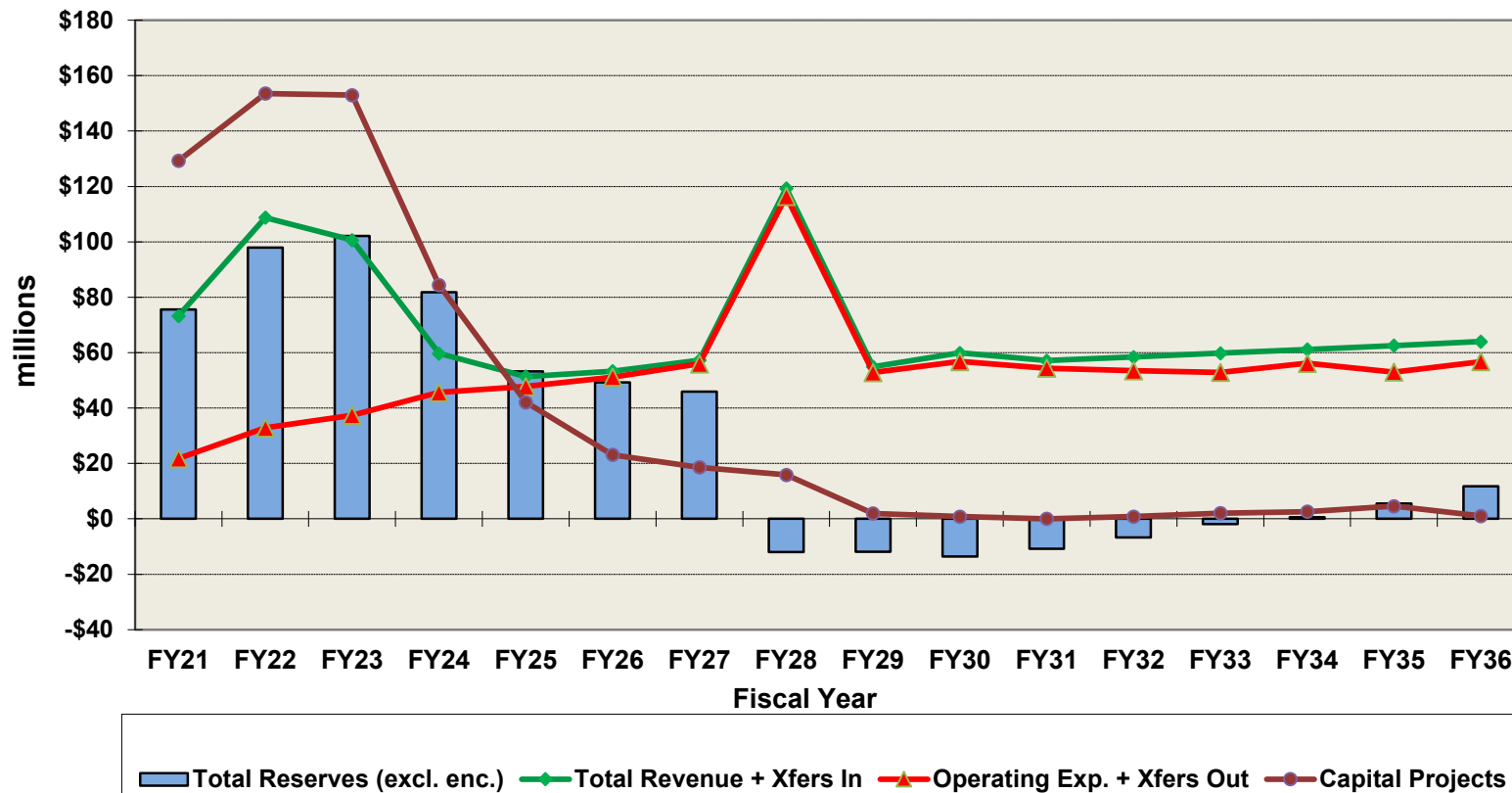
# Preliminary Fund Forecast

## Safe, Clean Water Fund Projection

**January 2021 Update**

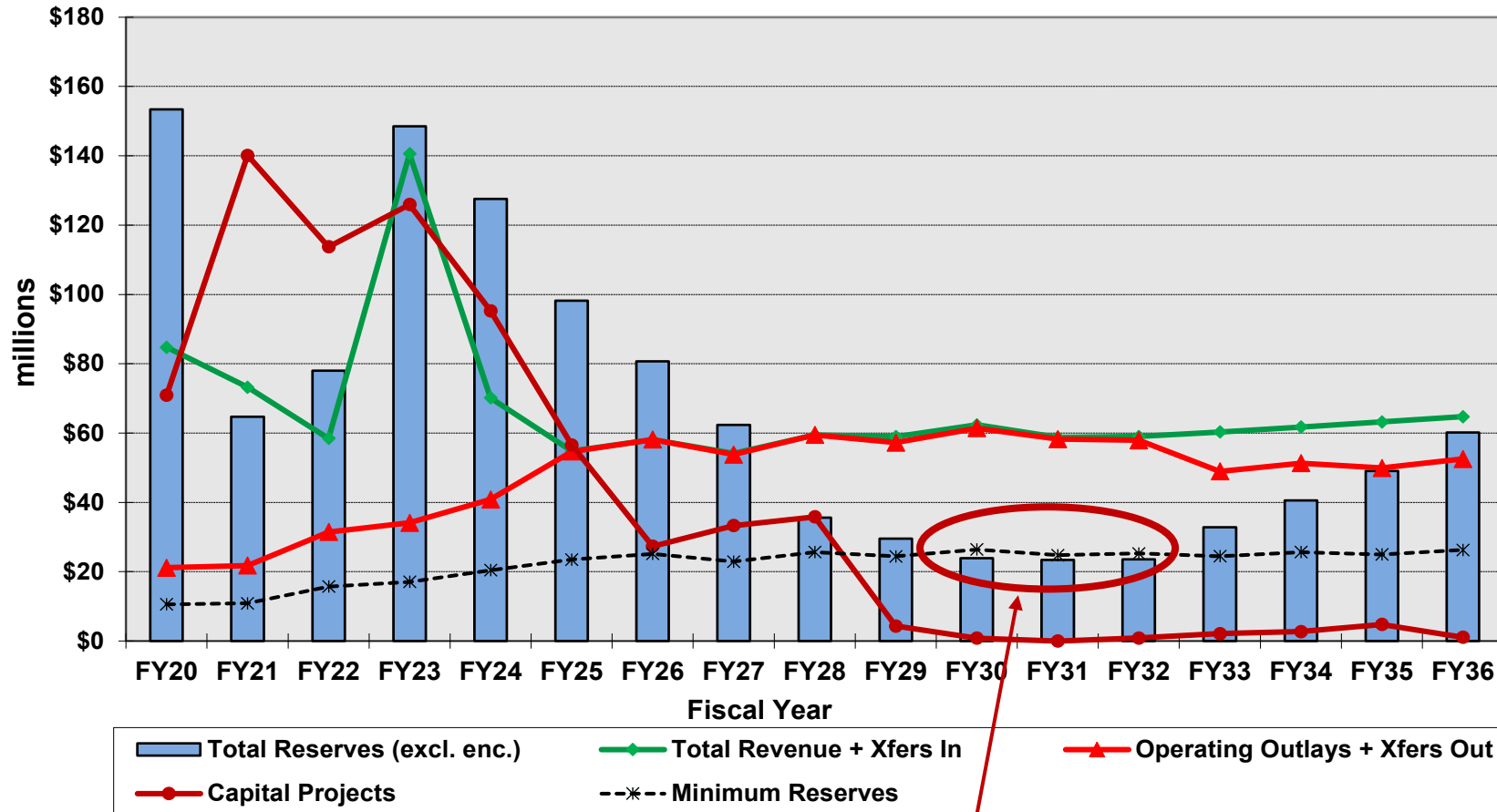
### Key Assumptions

- Assumes \$80M NRCS Reimbursements for Upper Llagas Creek to fully construct Phase 2
- Assumes receipt of San Francisquito Creek outside funding sources, including \$20M from grants and partnerships through the SFCJPA; along with an \$8.9M Caltrans grant through the City of Palo Alto for Newell Road Bridge
- Total Reserves in FY36 are roughly \$78M less than original plan due to cost increases for Upper Llagas, Almaden Lake & SF Creek



# Long-Term Financial Sustainability

## Safe, Clean Water Fund Projection



Reserves slightly below minimum

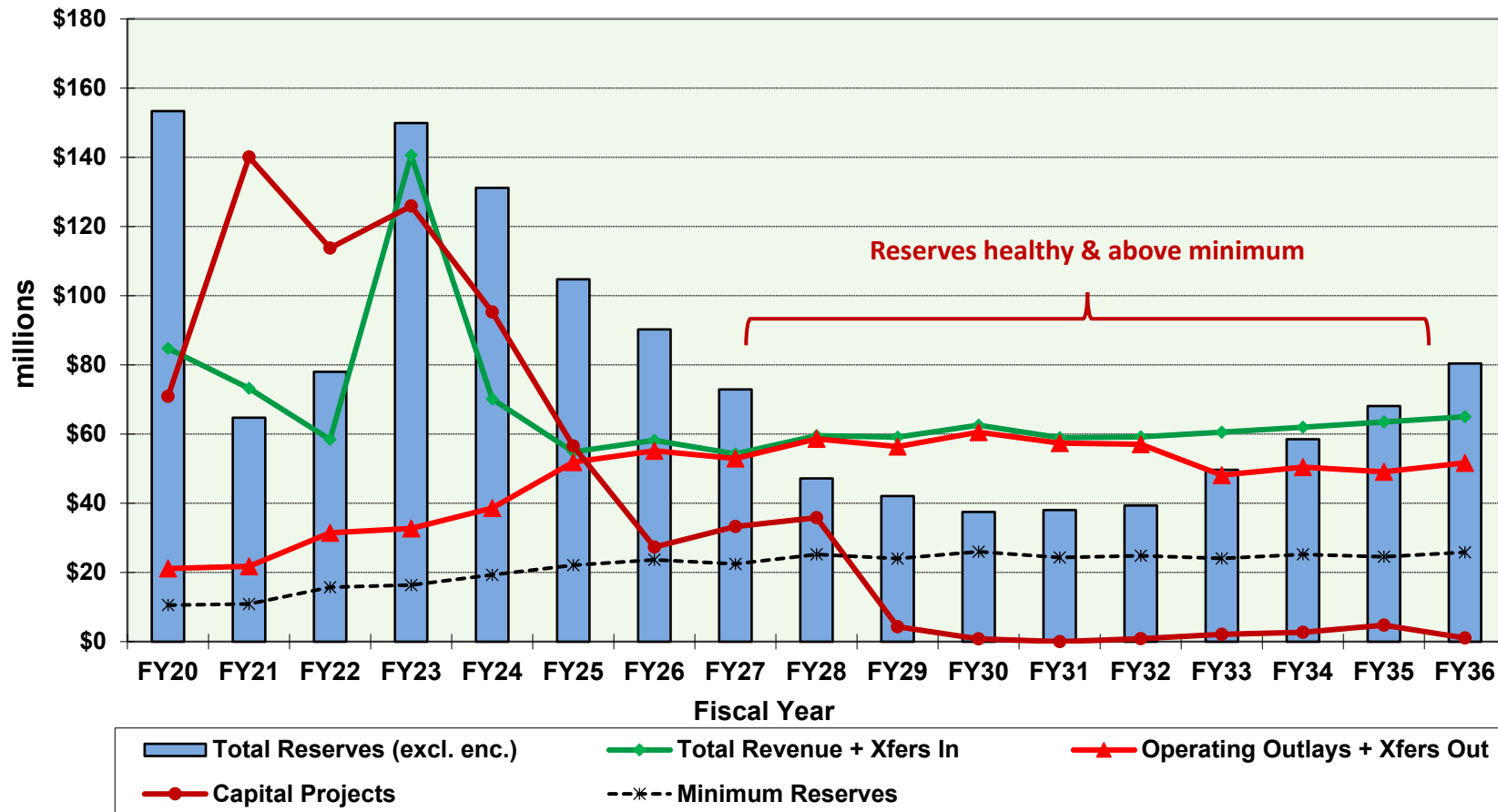
### Key Assumptions Next 10 years

- Includes proposed schedule and funding adjustments to Renewed SCW Program to align with project forecast and status updates and improve the health of Fund 26
- Assumes \$80M NRCS reimbursements for Upper Llagas creek to fully construct Phase 2.
- Outside funding sources for San Francisquito Creek include \$20M from grants and partnerships through the SFCJPA along with an \$8.9M Caltrans grant through the City of Palo Alto for Newell Road Bridge replacement



# Financial Sustainability with WIFIA Funding

## *Safe, Clean Water Fund Projection*



### Key Assumptions Next 10 years

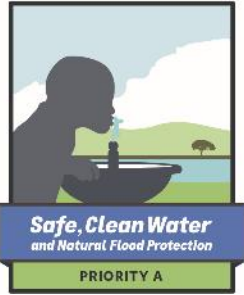
- Includes \$100M in WIFIA funding
- Includes proposed schedule and funding adjustments to Renewed SCW Program to align with project forecast and status updates and improve the health of Fund 26
- Assumes \$80M NRCS reimbursements for Upper Llagas Creek to fully construct Phase 2.
- Outside funding sources for San Francisquito Creek include \$20M from grants and partnerships through the SFCJPA along with an \$8.9M Caltrans grant through the City of Palo Alto for Newell Road Bridge replacement

# QUESTIONS



# 5-Year Plan Targets





# Priority A: Ensure a Safe, Reliable Water Supply

Project Name	Key Performance Indicators	FY22-26 Targets
A1: Pacheco Reservoir Expansion	1. Provide a portion of funds, up to \$10 million, to help construct the Pacheco Reservoir Expansion Project.	1. Provide \$2.7 million toward project completion.
A2: Water Conservation Rebates and Programs	1. Award up to \$1 million per year toward specified water conservation program activities, including rebates, technical assistance and public education for the first seven (7) years of the program.	1. Award up to \$1 million per year toward specified water conservation program activities, including rebates, technical assistance and public education.
A3: Pipeline Reliability	1. Install 4 (four) new line valves on treated water distribution pipelines.	1. Complete design of four (4) line valves on treated water distribution pipelines. 2. Complete the installation of three (3) line valves.



# Priority B: Reduce Toxins, Hazards, and Contaminants in Our Waterways

Project Name	Key Performance Indicators	FY22-26 Targets
B1: Impaired Water Bodies Improvement	<ol style="list-style-type: none"> <li>1. Investigate, develop and implement actions to reduce methylmercury in fish and other organisms in the Guadalupe River Watershed.</li> <li>2. Prepare and update a plan for the prioritization of surface water quality improvement activities, such as addressing trash and other pollutants.</li> <li>3. Implement at least two (2) priority surface water quality improvement activities identified in the plan per 5-year implementation period.</li> </ol>	<ol style="list-style-type: none"> <li>1. Implement management actions to reduce methylmercury in fish in four (4) reservoirs (Almaden, Guadalupe, Calero and Stevens Creek reservoirs).</li> <li>2. Evaluate the effectiveness of management actions in the four (4) reservoirs.</li> <li>3. Conduct at least one (1) investigative study.</li> <li>4. Update plan for the prioritization of surface water quality improvement activities, such as addressing trash and other pollutants.</li> <li>5. Implement at least two (2) priority surface water quality improvement activities identified in the plan per five-year implementation period.</li> </ol>





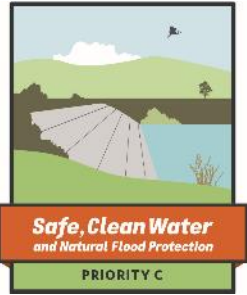
# Priority B: Reduce Toxins, Hazards, and Contaminants in Our Waterways (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
B2: Inter-Agency Urban Runoff Program	<ol style="list-style-type: none"> <li>1. Address trash in creeks by maintaining trash capture devices or other litter control programs.</li> <li>2. Maintain Valley Water’s municipal stormwater compliance program and partner with cities to address surface water quality improvements, including participation in at least three (3) countywide, regional or statewide stormwater program committees to help guide regulatory development, compliance, and monitoring.</li> <li>3. Support at least one (1) stormwater quality improvement activity per 5-year implementation period in Santa Clara County, including providing up to \$1.5 million over 15 years to support implementation of green stormwater infrastructure consistent with Santa Clara Basin and South County Stormwater Resource Plans.</li> </ol>	<ol style="list-style-type: none"> <li>1. Maintain at least two (2) trash capture devices or other litter control programs.</li> <li>2. Maintain Valley Water’s municipal stormwater compliance program.</li> <li>3. Maintain at least three (3) partnerships with cities to address surface water quality improvements, including participation in countywide, regional, or statewide stormwater program committees.</li> <li>4. Support at least one (1) stormwater quality improvement activity in Santa Clara County.</li> </ol>



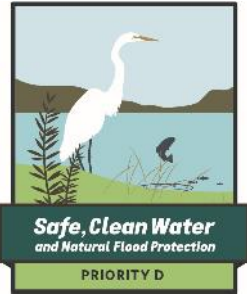
## Priority B: Reduce Toxins, Hazards, and Contaminants in Our Waterways (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
B3: Hazardous Materials Management and Response	1. Respond to 100% of hazardous materials reports requiring urgent on-site inspection in two (2) hours or less.	1. 100% of hazardous materials reports requiring urgent on-site inspection responded to in two (2) hours or less.
B4: Support Volunteer Cleanup Efforts	1. Fund Valley Water's creek stewardship program to support volunteer cleanup activities such as annual National River Cleanup Day, California Coastal Cleanup Day, the Great American Litter Pick Up; and the Adopt-A-Creek Program.	1. Fund four (4) annual creek cleanup volunteer programs.



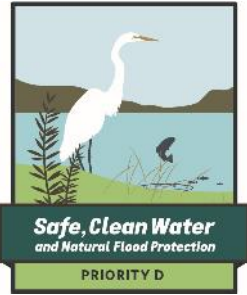
## Priority C: Protect Our Water Supply and Dams from Earthquakes and Other Natural Disasters

Project Name	Key Performance Indicator	FY22-26 Targets
C1: Anderson Dam Seismic Retrofit	1. Provide portion of funds, up to \$54.1 million, to help restore full operating reservoir capacity of 90,373 acre-feet.	1. Provide \$12.8 million towards project completion.



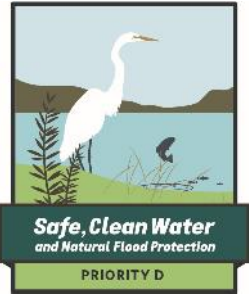
# Priority D: Restore Wildlife Habitat and Provide Open Space

Project Name	Key Performance Indicators	FY22-26 Targets
D1: Management of Riparian Planting and Invasive Plant Removal	<ol style="list-style-type: none"><li>1. Maintain a minimum of 300 acres of riparian planting projects annually to meet regulatory requirements and conditions.</li><li>2. Maintain a minimum of 200 acres of invasive plant management projects annually to meet regulatory requirements and conditions.</li><li>3. Remove 25 acres of Arundo donax throughout the county over a 15-year period.</li></ol>	<ol style="list-style-type: none"><li>1. Maintain a minimum of 300 acres of riparian planting projects annually to meet regulatory requirements and conditions.</li><li>2. Maintain a minimum of 200 acres of invasive plant management projects annually to meet regulatory requirements and conditions.</li><li>3. Remove eight (8) acres of Arundo donax throughout the county over a five-year period.</li></ol>



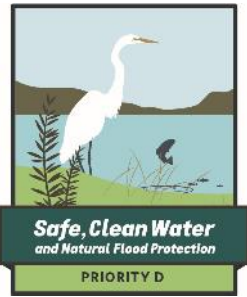
# Priority D: Restore Wildlife Habitat and Provide Open Space (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
D2: Revitalize Riparian, Upland and Wetland Habitat	<ol style="list-style-type: none"> <li>1. Revitalize at least 21 acres over a 15-year period through native plant revegetation and/or removal of invasive exotic species.</li> <li>2. Develop an Early Detection and Rapid Response Program Manual.</li> <li>3. Identify and treat at least 100 occurrences of emergent invasive species over a 15-year period, as identified through the Early Detection and Rapid Response Program.</li> <li>4. Develop at least eight (8) information sheets for Early Detection of Invasive Plant Species.</li> </ol>	<ol style="list-style-type: none"> <li>1. Revitalize at least seven (7) acres through native plant revegetation and/or removal of invasive exotic species.</li> <li>2. Develop an Early Detection and Rapid Response (EDRR) Program Manual.</li> <li>3. Initiate the California Environmental Quality Act (CEQA) and environmental permit process for the EDRR Program.</li> <li>4. Treat at least 10 occurrences of emergent invasive species.</li> <li>5. Develop at least three (3) information sheets for Early Detection of Invasive Plant Species.</li> </ol>



# Priority D: Restore Wildlife Habitat and Provide Open Space (cont'd)

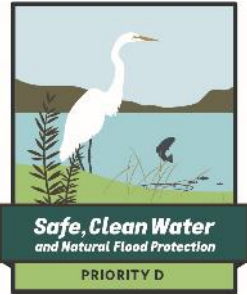
Project Name	Key Performance Indicators	FY22-26 Targets
D3: Sediment Reuse to Support Shoreline Restoration	<ol style="list-style-type: none"><li>1. Maintain partnership agreements to reuse sediment to improve the success of salt pond and tidal marsh restoration projects and activities.</li><li>2. Provide up to \$4 million per 15-year period to support activities necessary for sediment reuse.</li></ol>	<ol style="list-style-type: none"><li>1. Maintain partnership agreements to reuse sediment to improve the success of salt pond and tidal marsh restoration projects and activities.</li><li>2. Provide up to \$4 million to support activities necessary for sediment reuse.</li></ol>



# Priority D: Restore Wildlife Habitat and Provide Open Space (cont'd)

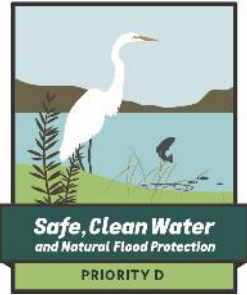
Project Name	Key Performance Indicators	FY22-26 Targets
D4: Fish Habitat and Passage Improvement	<ol style="list-style-type: none"> <li>1. Complete planning and design for one (1) creek/lake separation.</li> <li>2. Construct one (1) creek/lake separation project in partnership with local agencies.</li> <li>3. Use \$8 million for fish passage improvements by June 30, 2028.</li> <li>4. Update study of all major steelhead streams in the county to identify priority locations for fish migration barrier removal and installation of large woody debris and gravel as appropriate.</li> <li>5. Complete five (5) habitat enhancement projects based on studies that identify high priority locations for large wood, boulders, gravel and/or other habitat enhancement features.</li> </ol>	<ol style="list-style-type: none"> <li>1. Complete planning and design for one (1) creek/lake separation.</li> <li>2. Construct one (1) creek/lake separation project.</li> <li>3. Use \$6.7 million for fish passage improvements.</li> <li>4. Update study of two (2) major streams in the county to identify priority locations for fish migration barrier removal and installation of large woody debris and gravel as appropriate.</li> <li>5. Complete two (2) habitat enhancement projects based on the studies identifying high priority locations for large wood, boulders, gravel, and/or other habitat enhancement features.</li> </ol>





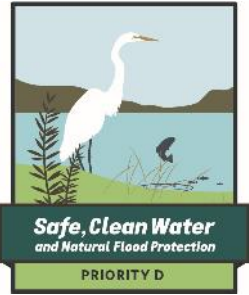
## Priority D: Restore Wildlife Habitat and Provide Open Space (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
D5: Ecological Data Collection and Analysis	<ol style="list-style-type: none"><li>1. Reassess and track stream ecological conditions and habitats in each of the county's five (5) watersheds every 15 years.</li><li>2. Provide up to \$500,000 per 15-year period toward the development and updates of five (5) watershed plans that include identifying priority habitat enhancement opportunities in Santa Clara County.</li></ol>	<ol style="list-style-type: none"><li>1. Reassess and track stream ecological conditions and habitats in two (2) watersheds (Guadalupe River and Pajaro River watersheds).</li><li>2. Provide \$300,000 toward the development and updates of three (3) watershed plans.</li></ol>



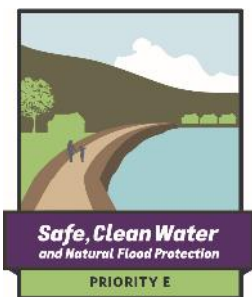
# Priority D: Restore Wildlife Habitat and Provide Open Space (cont'd)

Project Name	Key Performance Indicator	FY22-26 Targets
D6: Restoration of Natural Creek Functions	<ol style="list-style-type: none"> <li>1. Construct the Hale Creek Enhancement Pilot Project, which includes restoration and stabilization of a 650-foot section of concrete-lined channel on Hale Creek, between Marilyn Drive and North Sunshine Drive on the border of Mountain View and Los Altos.</li> <li>2. Construct the Bolsa Road Fish Passage Project along 1,700 linear feet of Uvas-Carnadero Creek in unincorporated Santa Clara County, which includes geomorphic design features that will restore stability and stream function.</li> <li>3. Identify, plan, design, and construct a third geomorphic designed project to restore stability and stream function by preventing incision and promoting sediment balance throughout the watershed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Construct the Hale Creek Enhancement Pilot Project.</li> <li>2. Construct the Bolsa Road Fish Passage Project.</li> </ol>



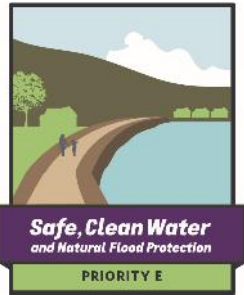
# Priority D: Restore Wildlife Habitat and Provide Open Space (cont'd)

Project Name	Key Performance Indicator	FY22-26 Targets
D7: Partnerships for the Conservation of Habitat Lands	1. Provide up to \$8 million per 15-year period for the acquisition or enhancement of property for the conservation of habitat lands.	1. Provide up to \$4 million for the acquisition or enhancement of property for the conservation of habitat lands.



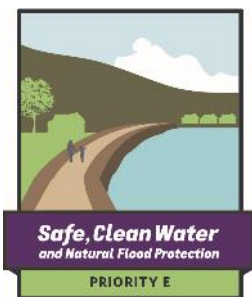
## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways

Project Name	Key Performance Indicator	FY22-26 Targets
E1: Coyote Creek Flood Protection	1. Construct flood protection improvements along Coyote Creek between Montague Expressway and Tully Road to provide protection from floods up to the level that occurred on February 21, 2017, approximately a 5% (20-year) flood event.	1. Complete construction of the project.



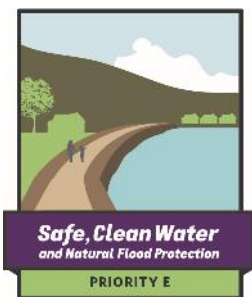
## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
E2: Sunnyvale East and Sunnyvale West Channels Flood Protection	<ol style="list-style-type: none"><li>1. Provide 1% (100-year) flood protection for 1,618 properties and 47 acres (11 parcels) of industrial land, while improving stream water quality and working with other agencies to incorporate recreational opportunities.</li></ol>	<ol style="list-style-type: none"><li>1. Execute agreement between Valley Water and Google for design and implementation of Google's proposed West Channel Development Project upstream of Caribbean Drive.</li><li>2. Finalize construction documents, plans and specifications.</li><li>3. Acquire all required permits for construction.</li><li>4. Complete construction of the project.</li></ol>



## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways (cont'd)

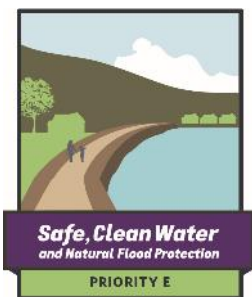
Project Name	Key Performance Indicator	FY22-26 Targets
E3: Lower Berryessa Flood Protection, including Tularcitos and Upper Calera Creeks (Phase 3)	1. With local funding only: Complete the design phase of the 1% (100-year) flood protection project to protect an estimated 1,420 parcels.	1. Not applicable. Design work on this project is scheduled to begin in FY32.



## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways (cont'd)

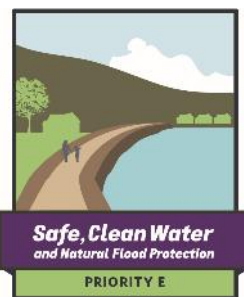
Project Name	Key Performance Indicators	FY22-26 Targets
E4: Upper Penitencia Creek Flood Protection	<ol style="list-style-type: none"><li>1. Preferred project with federal and local funding: Construct a flood protection project to provide 1% (100-year) flood protection to 8,000 parcels.</li><li>2. With local funding only: Construct a 1% (100-year) flood protection project from Coyote Creek confluence to Capital Avenue to provide 1% (100-year) flood protection to 1,250 parcels, including the new Berryessa BART station.</li></ol>	<ol style="list-style-type: none"><li>1. Complete the design phase.</li><li>2. Complete the CEQA process and obtain necessary permits.</li><li>3. Obtain necessary easements for construction and maintenance.</li></ol>





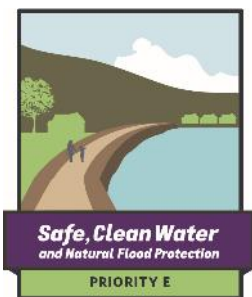
## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
E5: San Francisquito Creek Flood Protection	<ol style="list-style-type: none"><li>1. Preferred project with federal, state and local funding: Protect more than 3,000 parcels by providing 1% (100-year) flood protection.</li><li>2. With state and local funding only: Protect approximately 3,000 parcels by providing 1% (100-year) flood protection downstream of Highway 101, and approximately 1.4% (70-year) flood protection upstream of Highway 101.</li></ol>	<ol style="list-style-type: none"><li>1. Widen the channel at locations to remove channel constrictions from Highway 101 to Pope-Chaucer St. Bridge.</li><li>2. Replace Pope-Chaucer St. Bridge.</li><li>3. Provide the local-cost share for Newell Road Bridge replacement.</li></ol>



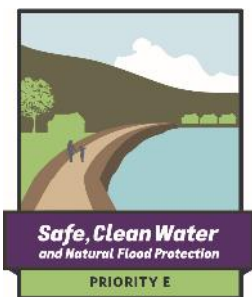
## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
E6: Upper Llagas Creek Flood Protection	<ol style="list-style-type: none"> <li>1. Preferred project with federal and local funding: Plan, design and construct flood protection improvements along 13.9 miles of Upper Llagas Creek from Buena Vista Avenue to Llagas Road to provide flood protection to 1,100 homes, 500 businesses, and 1,300 agricultural acres, while improving stream habitat.</li> <li>2. With local funding only: Construct flood protection improvements along Llagas Creek from Buena Vista Avenue to Highway 101 in San Martin (Reaches 4 and 5 (portion)), Monterey Road to Watsonville Road in Morgan Hill (Reach 7a), approximately W. Dunne Avenue to W. Main Avenue (portion of Reach 8), and onsite compensatory mitigation at Lake Silveira.</li> </ol>	<ol style="list-style-type: none"> <li>1. Complete construction of Phase 1 (Reaches 4 and 7A and a portion of Reach 5 and Lake Silveira), including the three-year plant establishment period.</li> <li>2. Complete construction of Phase 2A (portion of Reach 8).</li> <li>3. Award construction of Phase 2B (portion of Reach 5, Reach 6, Reach 7b, portion of Reach 8, Reach 14).</li> </ol>



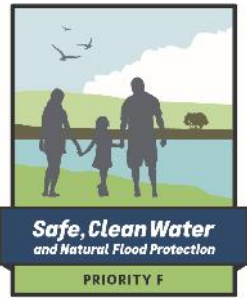
## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
E7: San Francisco Bay Shoreline Protection	<ol style="list-style-type: none"> <li>1. Provide portion of the local share of funding for planning, design and construction phases for the Santa Clara County shoreline area, EIAs 1-4.</li> <li>2. Provide portion of the local share of funding for planning and design phases for the Santa Clara County shoreline area, EIAs 5-9.</li> </ol>	<ol style="list-style-type: none"> <li>1.               <ol style="list-style-type: none"> <li>a) Provide local support for the planning phase for EIAs 1-4.</li> <li>b) Complete planning phase and start design phase for EIAs 1-4.</li> <li>c) Pursue federal and other funding sources to support construction of EIAs 1-4.</li> </ol> </li> <li>2.               <ol style="list-style-type: none"> <li>a) Provide local support for the planning phase for EIAs 5-9.</li> <li>b) Begin planning phase for EIAs 5-9.</li> </ol> </li> </ol>



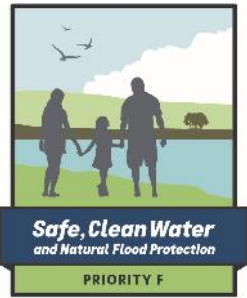
## Priority E: Provide Flood Protection to Homes, Businesses, Schools, Streets, and Highways (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
E8: Upper Guadalupe River Flood Protection	<ol style="list-style-type: none"><li>1. Preferred project with federal and local funding: Construct a flood protection project to provide 1% (100-year) flood protection to 6,280 homes, 320 businesses and 10 schools and institutions.</li><li>2. With local funding only: Construct flood protection improvements along 4,100 feet of Guadalupe River between the Southern Pacific Railroad (SPRR) crossing, downstream of Willow Street, to the Union Pacific Railroad (UPRR) crossing, downstream of Padres Drive, and provide gravel augmentation along approximately 800 linear feet of the Upper Guadalupe River in San Jose, from approximately the Union Pacific Railroad Bridge to West Virginia Street Bridge to improve aquatic habitat for migrating steelhead and channel stability.</li></ol>	<ol style="list-style-type: none"><li>1. Coordinate with the USACE to complete the General Re-evaluation Report in FY24.</li></ol>



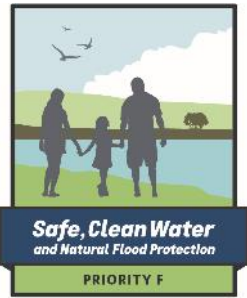
## Priority F: Support Public Health and Public Safety for Our Community

Project Name	Key Performance Indicator	FY22-26 Targets
F1: Vegetation Control and Sediment Removal for Capacity	1. Maintain completed flood protection projects for flow conveyance.	1. Manage a minimum of 100 miles of improved channels annually by removing sediment or instream vegetation to maintain design conveyance capacity.



## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

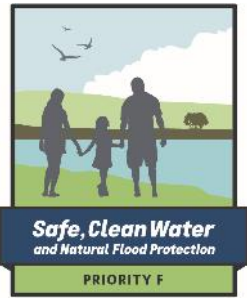
Project Name	Key Performance Indicators	FY22-26 Targets
F2: Emergency Response Planning and Preparedness	<ol style="list-style-type: none"> <li>1. Coordinate with local municipalities to merge Valley Water-endorsed flood emergency processes with their own emergency response plans and processes.</li> <li>2. Complete five (5) flood management plans/procedures per 5-year period, selected by risk priorities.</li> <li>3. Train Valley Water staff and partner municipalities annually on disaster procedures via drills and exercises before testing the plans and procedures.</li> <li>4. Test flood management plans/procedures annually to ensure effectiveness.</li> </ol>	<ol style="list-style-type: none"> <li>1. Coordinate with five (5) municipalities to merge Valley Water-endorsed flood emergency processes with their emergency response plans and processes.</li> <li>2. Complete five (5) flood management plans/procedures.</li> <li>3. Hold at least five (5) training events with Valley Water staff and partner municipalities' staff.</li> <li>4. Test a minimum of two (2) flood management plans/procedures annually.</li> </ol>



## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

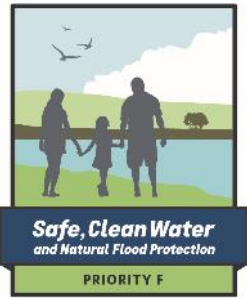
Project Name	Key Performance Indicators	FY22-26 Targets
F3: Flood Risk Assessment Studies	<ol style="list-style-type: none"> <li>1. Complete engineering studies on three (3) creek reaches to address 1%(100-year) flood risk.</li> <li>2. Annually, update floodplain maps on a minimum of three (3) creek reaches in accordance with new FEMA standards.</li> </ol>	<ol style="list-style-type: none"> <li>1. Complete engineering study on one (1) creek reach to address 1% flood risk.</li> <li>2. Annually update floodplain maps on three (3) creek reaches in accordance with new FEMA standards.</li> </ol>
F4: Vegetation Management for Access and Fire Safety	<ol style="list-style-type: none"> <li>1. Provide vegetation management for access and fire risk reduction on an average of 495 acres per year, totaling 7,425 acres along levee, property lines and maintenance roads over a 15-year period.</li> </ol>	<ol style="list-style-type: none"> <li>1. Provide vegetation management for access and fire risk reduction on an average of 495 acres per year.</li> </ol>





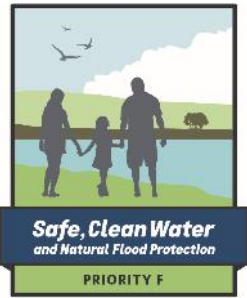
## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
F5: Good Neighbor Program: Encampment Cleanup	<ol style="list-style-type: none"><li>1. Perform 300 annual cleanups to reduce the amount of trash and pollutants entering the streams.</li><li>2. Provide up to \$500,000 per year in cost-share with other agencies for services related to encampment cleanups, including services supporting staff safety, discouraging re-encampments along waterways or addressing the homelessness crisis with the goal of reducing the need for encampment cleanups.</li></ol>	<ol style="list-style-type: none"><li>1. Perform 300 annual cleanups.</li><li>2. Provide up to \$500,000 per year in cost-share with local agencies for services related to encampment cleanups.</li></ol>



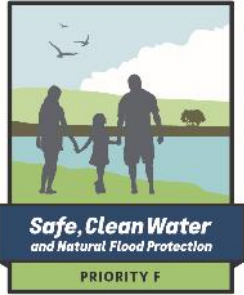
## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
F6: Good Neighbor Program: Graffiti and Litter Removal and Public Art	<ol style="list-style-type: none"><li>1. Cleanup identified trash and graffiti hotspots at approximately 80 sites four (4) times per year.</li><li>2. Respond to requests on litter or graffiti cleanup within five (5) working days.</li><li>3. Provide up to \$1.5 million over 15 years to implement public art projects on Valley Water property and infrastructure.</li></ol>	<ol style="list-style-type: none"><li>1. Cleanup approximately 80 trash and graffiti hotspot sites four (4) times per year.</li><li>2. Respond to requests on litter or graffiti cleanup within five (5) working days.</li><li>3. Provide up to \$500,000 to implement public art projects on Valley Water property and infrastructure.</li></ol>



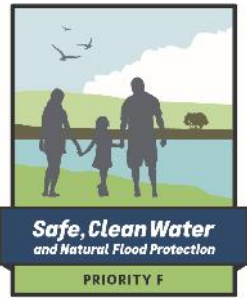
## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

Project Name	Key Performance Indicators	FY22-26 Targets
F7: Emergency Response Upgrades	<ol style="list-style-type: none"><li>1. Maintain existing capabilities for flood forecasting and warning.</li><li>2. Improve flood forecast accuracy and emergency response time working with the National Weather Service and through research and development.</li></ol>	<ol style="list-style-type: none"><li>1. Maintain flood forecast systems, including operating sensors and forecasting software, on seven (7) flood-prone creek reaches to generate and disseminate warning messages for these locations.</li><li>2. Have operational reservoir inflow forecasts for all the ten (10) Valley Water reservoirs.</li><li>3. A fully operational website that combines forecasting, flood thresholds, historical sensor data, and notifications, consolidating several existing websites into one.</li></ol>



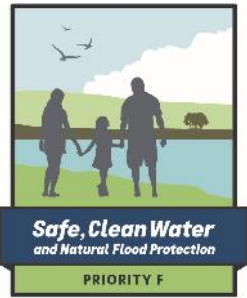
## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

Project Name	Key Performance Indicator	FY22-26 Targets
F8: Sustainable Creek Infrastructure for Continued Public Safety	1. Provide up to \$7.5 million in the first 15-year period to plan, design and construct projects identified through Watersheds asset management plans.	1. Provide up to \$2 million to identify and plan projects through development and update of Asset Management Plans.



## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

Project Name	Key Performance Indicator	FY22-26 Targets
F9: Grants and Partnerships for Safe, Clean Water, Flood Protection and Environmental Stewardship	<ol style="list-style-type: none"> <li>1. Provide a grant and partnership cycle each year for projects related to safe, clean drinking water, flood protection and environmental stewardship.</li> <li>2. Provide annual funding for bottle filling stations to increase drinking water accessibility, with priority for installations in economically disadvantaged communities and locations that serve school-age children and students.</li> <li>3. Provide annual mini-grant funding opportunity for projects related to safe, clean drinking water, flood protection and environmental stewardship.</li> </ol>	<ol style="list-style-type: none"> <li>1. Provide five grant cycles and additional partnerships.</li> <li>2. Provide up to \$100,000 annually in funding for bottle filling stations.</li> <li>3. Provide up to \$100,000 annually in mini-grant funding.</li> </ol>



## Priority F: Support Public Health and Public Safety for Our Community (cont'd)

Project Name	Key Performance Indicator	FY22-26 Targets
F9: Grants and Partnerships for Safe, Clean Water, Flood Protection and Environmental Stewardship (Cont'd)	4. Provide up to \$3 million per 15-year period for partnerships with small municipalities (defined as under 50,000 people in the most recent census available) or special districts with boundaries substantially within the footprint of small cities, for projects aligned with the District Act and related to safe, clean drinking water, flood protection and environmental stewardship.	4. Provide up to \$1 million for partnerships with small municipalities or special districts.

# QUESTIONS







# Valley Water

Clean Water • Healthy Environment • Flood Protection