

Capital Infrastructure & Facilities Plan

Western's Board of Directors adopts a biennial Capital Improvement and Facilities Plan (CIFP). The innovative blueprint guides the work of numerous projects while forecasting project priorities over a 5-year period.

Capital projects approved by the plan will create, maintain, and improve the systems that serve Western customers, and align with Western's overarching strategic priorities. Recent achievements in enhancing the region's water system and securing local supply sources include:

1

In-House Reverse Osmosis Membrane Replacement at Arlington Desalter

The Arlington Desalter (ADS) was the first of its kind in Southern California. This facility provides the region with billions of gallons of drinking water annually. Through reverse osmosis (RO), salts and other matters are removed from drinking water. Every seven years, RO membranes require replacement. Western completed the change out of RO membranes in-house, saving contractor costs.

2

Water Pipeline Replacement Program

Western's Water Main Replacement Program provides a reliable distribution system designed and maintained to enhance public health and safety. This program is strategically planned on a systematic timeline for replacement in order to prevent major service interruptions and to save on costly and potential high-risk repairs.

3

Sterling Pump Station and Reservoir

The Sterling Pump Station (SPS) and reservoir are the final steps in connecting the region's drops. By drawing water from existing reservoirs and moving it uphill to areas within Western's service area, it reduces the dependence on imported water to meet the current and future water needs of our community.

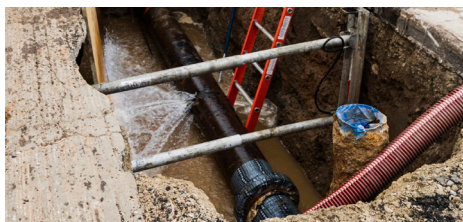
To learn more about Western's CIFP and supporting budgets, visit wmwd.com/CIFP.

FISCAL YEAR 2022-23 & 2023-24

TOP 10 PROJECTS



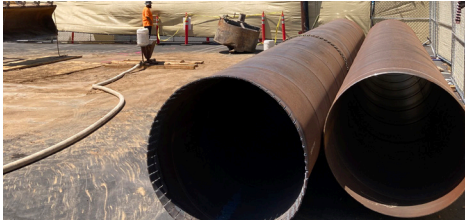
**Cannon Street Pump Station/
Interconnection with Riverside
Public Utilities (RPU)**



Pipeline Replacement Program



**Treatment Facility for Polyfluoroalkyl
Substances (PFAS) at Western Water
Recycling Facility (WWRF)**



Santa Ana River Conservation and
Conjunctive Use Program (SARCCUP) Non-
Potable Well and Pipeline



Cajalco Switchgear/Motor Control Center
Replacement



Enterprise Resource Planning (ERP)
Improvements - Infor Cloud Suite
Financials (CSF) Implementation



Minor Capital Project Program



Murrieta Sewer Groundwater Infiltration
Reduction Project



Murrieta Water Quality Treatment Project



Mills Gravity Line Blow-off Repairs and
Isolation Valve Replacement

To learn more about Western's Capital Infrastructure & Facilities Plan, visit wmwd.com/CIFP.

Inland Empire Utilities Agency
A METROPOLITAN WATER DISTRICT

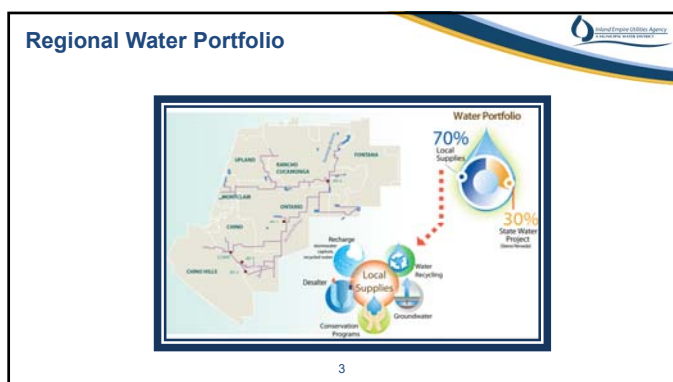
Inland Empire Utilities Agency Construction Network – September 14, 2021

Jerry L. Burke, P.E.
Director of Engineering

1



2



3

Infrastructure

QUICK STATS:

- 50 MGD RAW WASTEWATER IN
- 5 WASTEWATER TREATMENT PLANTS
- 826,188 ft. (156.5 mi.) SEWER PIPE
- 2,460 MANHOLES
- 6 WASTEWATER LIFT STATIONS
- 40 MGD RECYCLED WATER OUT
- 502,520 ft. (95 mi.) RW PIPE
- 6 RW PUMP STATIONS
- 18 GROUNDWATER RECHARGE BASINS

- 5.0 MW OF SOLAR POWER
- 4.08 MW OF BATTERY STORAGE CAPACITY
- 354 MW OF WIND TURBINE POWER

4

4

Board of Directors

Jasmin A. Hall
President

Michael Camacho
Vice President

Steven J. Eile
Secretary/Treasurer

Paul Hofer
Director

Marco Tule
Director

5

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TYCIP Proposed Capital Projects by Program

Fund (\$ Millions)	FYs 2022 – 2033 Proposed TYCIP
Regional Wastewater Capital	\$611
Regional Wastewater Operations & Maintenance	\$92
Recycled Water	\$61
Non-Reclaimable Wastewater	\$31
Water Resources	\$10
Recharged Water	\$20
Administrative Services	\$11
Total	\$837

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Upcoming Work

Project Name	Project Description	Total TVE - 2022/2024
EN2202	RP1 Motor Control Center (M) Upgrades	1,700,000
EN2204	Agency Wide EV Charging Stations	1,000,000
EN2205	San Bernardino Area Lift Station Reliability Improvement	2,000,000
EN2304	CCWRP Amalon Basin 14 Drain Valve Replacement	1,500,000
EN2302	RP - New Parking Lot	1,200,000
EN2303	Central Plant Cooling Tower Replacement	2,400,000
EN2306	RP - Transformer Replacement	1,800,000
EN2305	RP - Houshanks Bay Screens Improvements	3,900,000
EN2302	RedButte Siphon Work Improvements for Basin Gate A	4,500,000
EN2306	RP - SCADA Migration	1,000,000
EN2307	RP - SCADA Migration	1,000,000
EN2301	RP - Inlet Valve Replacement and Flow MFL Upgrade	2,000,000
EN2307	RP - Dual Valve Replacement and Flow MFL Upgrade	1,700,000
EN2307	Elminda Interceptor Grade-Break (PI) Relocation	4,200,000
EN2308	RP - Interceptor Upgrade-Break (PI) Relocation	3,000,000
EN2309	RP - Interceptor Improvements (P-Asides/Collections)	9,400,000
EN2306	SCADA GreenGate System	10,200,000
EN2307	RP - Phase Cleanup	1,900,000
EN2306	CCWRP Asset Management and Improvements	25,800,000
EN2307	RP - MCO and O&M Lab Building Rehab	2,200,000
EN2307	RP - Process Improvements Phase II	8,000,000
EN2304	RP - Contact Basin Cover Pacer & PWR Valve Well Pass	4,800,000
EN2305	Interceptor Force Main Improvements	1,480,000
EN2305	RP - D&E Effluent Structure Rehabilitation	2,200,000
EN2305	RP - Inlet Structure Condition for Amalon 03	1,000,000
EN2305	RP - Asset Management (P-Asides/Collections)	7,400,000
EN2305	Philadelphia Lift Station Pump Upgrades	6,700,000
EN2302	RP - Air Compressor Upgrades	3,900,000
EN2307	RP - Reciprocating Pumps	2,900,000
EN2307	RP - Inlet Valve Station Electrical Im	5,100,000
EN2304	RP - Amalon Basin Lift Station Improvements	2,000,000
EN2304	RP - Thimbleton Basins Lift Station Improvements	470,000,000
EN2302	Philadelphia Lift Station Force Main Improvements	9,450,000
EN2306	RP - SCADA Migration - 2022	1,000,000
EN2309	Collection System Upgrades (2022)	5,000,000
EN2304	RP - TPA (Government) Drainage Upgrades	1,300,000
PH2305	Agency Wide Paving	4,100,000
PA2303	Agency Wide Paving	4,200,500

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Design and Construction Opportunities

Design Consultant	Consultant	Contractor	Subcontractor
<ul style="list-style-type: none"> Project Specific Master Contracts 	<ul style="list-style-type: none"> Master Contracts Project Management (2020/21) Survey (2019/20) Special Inspection/Material Testing (2020/21) Scheduling (2018/19) Labor Compliance (2020/21) 	<ul style="list-style-type: none"> Pre-Qualification Over \$2M Project Specific Pre-Qualification Under \$2M Solicited odd years Emergency Master Contract Selected from list of Pre-Qualified under \$2M list 	<ul style="list-style-type: none"> Doing Business with IEUA Webpage and PlanetBids Current bid opportunities and contractor's list of bidders

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Major Projects over the next 10 Years

9

Largest Project Chino Basin Program

10

Contact Us

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BUILDING FOR THE FUTURE

Capital Improvement List

September 14, 2022

Regional Water Reclamation Facility

Status: Under construction (JF Shea Construction)
Construction Start: (April 2022 to Fall 2023)
Anticipated Cost: \$41 million

Conveyance Line Force Main and Sewer

Status: Bidding September 16, 2022
Construction Start: Late fall 2022
Anticipated Cost: \$7.8 million

Area M-2 Sewer

Status: Design
Construction Start: Fall 2023 to Summer 2024
Anticipated Cost: \$10.5 million

Roadway Improvements

Status: Consultant secured, design process beginning
Construction Start: February 2024 through June 2024
Anticipated Cost: \$1.8 million

Critical Services Center/Administrative Building

Status: Design
Construction Start: Spring 2023 through Spring 2024
Anticipated Cost: \$26 million

Horton Wastewater Treatment Plant Filtration Expansion

Status: Design
Construction Start: Spring 2023 through Summer 2023
Anticipated Cost: \$1.7 million

Emergency Backup Generators

Status: Design
Construction Start: Spring 2023 through Summer 2023
Anticipated Cost: \$2.5 million

Well 34 Rehabilitation

Status: Design
Construction Start: Spring 2023 through Summer 2023
Anticipated Cost: \$600,000

Well 34/35 Intertie

Status: Design
Construction Start: Spring 2023 through Summer 2023
Anticipated Cost: \$1.1 million

Well 35 Equipment Installation

Status: Design
Construction Start: Spring 2023 through Summer 2023
Anticipated Cost: \$2.7 million

Terrace Reservoir 1-3 Rehabilitation

Status: Design complete
Construction Start: Spring 2024 through Summer 2025
Anticipated Cost: \$7.0 million

Vista Reservoir 2

Status: Design/bidding soon
Construction Start: Spring 2023 through Fall 2023
Anticipated Cost: \$700,000

Well 22 Rehabilitation

Status: Project development
Construction Start: Fall 2023 through Spring 2024
Anticipated Cost: \$800,000



Above: Regional Water Reclamation Facility, July 2022



California Department of Water Resources
715 P Street, Sacramento, CA 95814

P.O. Box 942836, Sacramento, CA 94236-0001
water.ca.gov

Interested in more funding? Check out more state and federal funding opportunities!



California Grants Portal

The California Grants Portal is your one destination to find all state funding opportunities provided on a first-come or competitive basis. Scan to find funding opportunities for you and your community.



Federal Grants

Visit Grants.gov to find more information on grants and loans available from the U.S. federal government.



AVAILABLE FUNDING

from the Department of Water Resources

The Department of Water Resources (DWR) offers financial assistance to support integrated watershed management, environmental stewardship, water supply reliability, groundwater sustainability, drought relief, and more.

1

Proposition 1 – Round 2 Integrated Regional Water Management Implementation (IRWM) Grant Program

Funding Available: \$193,000,000

Maximum/minimum grant award, if applicable: Varies by funding area grant allotment; no minimum.

Application Dates: Active and accepting applications

Project eligibility: Eligible projects must be vetted through the local IRWM region process and included in the IRWM Plan.

Funding notes: 10% of the funding will be reserved for projects that directly benefit underrepresented communities.

Program Contact: DWR_IRWM@water.ca.gov, (916) 651-9613

2

Riverine Stewardship Program

Funding Available: \$13,000,000

Maximum/minimum grant award, if applicable: No maximum or minimum

Application Dates: Active and accepting applications

Project eligibility: Projects must be within the "Delta export service area" or within a county in the Association of Bay Area Governments. Eligible projects must support water quality and supply consistent with Water Code section 79205.6.

Funding notes: N/A

Program Contact: RSP@water.ca.gov, 916-694-9747

3

Small Community Drought Relief Program

Funding Available: \$100,000,000 to continue the Small Community Drought Relief Program, \$21,000,000 for tank and water hauling.

Maximum/minimum grant award, if applicable: No maximum or minimum

Application Dates: Active and accepting applications

Project eligibility: Projects must provide immediate and near-term financial and technical support to help small communities with their urgent drinking water needs.

Funding notes: N/A

Program Contact: SmallCommunityDrought@water.ca.gov, (559) 230-3309

4

Sustainable Groundwater Management Grant Program Implementation Round 2

Funding Available: \$202,500,000

Maximum/minimum grant award: Minimum Award: \$1 million per basin, Maximum Award: \$20 million per basin

Application Dates: Late 2022 to early 2023

Project eligibility: Projects related to development and implementation of Groundwater Sustainability Plans (GSP) or alternatives; groundwater recharge projects, contaminated groundwater prevention or clean up, water supply reliability and conservation, recharge potential, flood management with recharge, revisions to a GSP or alternative to a GSP.

Funding notes: Approximately \$50 million is reserved for underrepresented communities and Tribes. \$17 million is reserved for groundwater projects located in the San Joaquin Valley Basin to implement a flood management plan, provide recharge locations while expanding the floodplain or habitat, and/or geophysical investigation on the groundwater basin.

Program Contact: SGWP@water.ca.gov, (916) 902-7131

5

Urban Community Drought Relief Grant Program

Funding Available: Approximately \$185 million for Urban Communities, \$75 million for Urban Suppliers, and about \$40 million for turf replacement

Maximum/minimum grant award, if applicable: \$5 million minimum (smaller projects may be bundled together)

Application Dates: September 2022

Project eligibility: Grants are intended to provide water to communities that face the loss or contamination of their water supplies, to address immediate impacts on human health and safety, and to protect fish and wildlife resources.

Funding notes: Approximately \$90 million will be set aside for eligible drought relief projects benefiting underrepresented communities and Tribes. Consideration will be given to emergency projects that benefit communities, particularly underrepresented communities, facing a Human Right to Water challenge and to projects that respond to critical human and/or wildlife emergencies.

Program Contact: urbandrought@water.ca.gov, (916) 651-9613

6

Urban Streams Restoration Program

Funding Available: \$17,300,000

Maximum/minimum grant award, if applicable: No maximum or minimum

Application Dates: Active and accepting applications

Project eligibility: Daylighting of streams, bank stabilization and native revegetation, recontouring of channels to improve floodplain function and localized flood protection

Funding notes: Priority is given to projects serving disadvantaged communities. Projects that are not serving disadvantaged communities must match 20% of funds.

Program Contact: USRPinfo@water.ca.gov, 916-694-9747

7

Water Desalination Grant Program

Funding Available: \$6,000,000

Maximum/minimum grant award, if applicable: The maximum grant award for design pilot projects is \$1.5 million and the maximum award for construction projects is \$6 million. There is no minimum.

Application Dates: September 2022

Project eligibility: Applications for Construction and Design Pilot projects will be accepted.

Funding notes: N/A

Program Contact: DesalPSP@water.ca.gov, (916) 902-7722



Scan to learn more about DWR's funding opportunities and eligibility requirements.

Metropolitan Water District of Southern California Future Construction Contract Opportunities

Specifications No. M-3057: BESS Skinner – Fiber Optic Installation

Cost Range: \$125,000 - \$150,000

Location: Winchester, CA

Description: The work consists of installing approximately 2,000 linear feet of new fiber optic cable in existing conduit.

Work Activities: Low voltage.

Specifications No. 1928: Perris Valley Pipeline Interstate 215 Crossing

Cost Range: \$60,000,000 - \$70,000,000

Location: Riverside County, CA

Description: This project includes installation of approximately 3000 linear feet of large diameter pipe.

Work Activities: Tunneling, pipeline casing and carrier pipe installation, welding, geotechnical monitoring, disinfection, groundwater treatment, restoration paving and concrete

Specifications No. 2003: Metropolitan Headquarters Building Exterior Physical Security Improvements

Cost Range: \$2,800,000 - \$3,500,000

Location: Los Angeles, CA

Description: The work installs bollards, fencing, and integration of new security equipment into the existing security software, various supporting electrical improvements. This project includes installation of approximately 3000 linear feet of large diameter pipe.

Work Activities: Demolition, trenching, electrical, asphalt paving, concrete, traffic control.

Specifications No. 2007: Headquarters Fire Sprinkler Level P1 Replacement

Cost Range: \$1,200,000 - \$1,500,000

Location: Los Angeles, CA

Description: This work replaces existing horizontal fire main piping, ancillary isolation valves, and fire hydrant connections.

Work Activities: Fire protection and plumbing.

Specifications No. 2018: Weymouth Asphalt Refurbishment

Cost Range: \$1,400,000

Location: La Verne, CA

Description: The project rehabilitates approximately 250,000 square feet of asphalt pavement in and around the Weymouth plant.

Work Activities: Demolition, excavation and grading, paving, and concrete.

Specifications No. 2046: Furnishing Valves for Rialto Feeder Rehabilitation

Cost Range: \$1,400,000

Location: Rialto, CA

Description: The work furnishes a 24" ball valve and associated appurtenances for the upcoming Rialto Feeder Rehabilitation.

Work Activities: Specialty valve manufacturing and manufacturer field services to support installation.

Specifications No. 2028: Furnishing Slide Gates for the San Jacinto Diversion Structure

Cost Range: \$500,000 - \$750,000

Location: Winchester, CA

Description: The work consists of furnishing three slide gates and associated appurtenances for the San Jacinto Diversion Structure.

Work Activities: Fabricating gates and manufacturer field services to support installation.

Specifications No. 2042: Colorado River Aqueduct Conveyance System Flow Sensor Installation

Cost Range: \$4,500,000

Location: Riverside, CA

Description: The work furnishes and installs 7 remote level transducers, supporting electrical equipment and precast concrete buildings.

Work Activities: Electrical, concrete, excavation, solar installation, and antenna installation.

Specifications No. 2038: Rainbow Tunnel Concrete Liner Repairs

Cost Range: \$650,000 - \$850,000

Location: San Diego County, CA

Description: The work consists of concrete relining repairs at 10 locations within the Rainbow Tunnel.

Work Activities: Concrete and injection grouting.

Specifications No. 2031: Joseph Jensen Water Treatment Plant WWRP 2 Flocculator Rehabilitation

Cost Range: \$200,000 - \$300,000

Location: Granada Hills, CA

Description: The work consists of rehabilitating Jensen Wastewater Reclamation Plant (WWRP) 2 flocculation basin.

Work Activities: Demolition, Mechanical Systems, Installation/Repair, General Laborers, Plumbers, Pipe Fitters

Specifications No. 2036: Skinner Concrete Repairs

Cost Range: \$400,000

Location: Winchester, CA

Description: The project consists of injecting hydrophilic grout into existing concrete walls inside the Ozone Contactor building.

Work Activities: Injection grouting.

Specifications No. 1999: Foothill Feeder Control/Power Structure Seismic Upgrade

Cost Range: \$8,000,000 - \$9,000,000

Location: Castaic, CA

Description: The work consists of installing concrete encasements around existing columns and steel collector plates for roof diaphragm system; removal and replacement of the roofing system.

Work Activities: Excavation, concrete, roof, electrical, and HVAC.

Specifications No. 1983: Sepulveda Feeder Drain Station

Cost Range: \$150,000

Location: Los Angeles and Hawthorne, CA

Description: The project replaces and installs stray current mitigation systems along Metropolitan's Sepulveda Feeder pipeline.

Work Activities: Demolition, excavation and grading, concrete, cathodic protection, drilling, and asphalt restoration and paving.

Specifications No. 2021: Inland Feeder - Rialto Pipeline Intertie

Cost Range: \$11,000,000

Location: San Bernardino, CA

Description: The work consists of installing a 96-inch-diameter welded steel pipe bypass line, 136.5 X 136.5 X 96-inch fitting, 145.5 X 145.5 X 96-inch fitting; an 84-inch butterfly valve; install a cast-in-place concrete valve vault.

Work Activities: Pipeline, excavation, grading, mechanical, electrical, welding, and SCADA.

Specifications No. 2020: Wadsworth Pumping Plant Pumphouse Conduit - Eastside Pipeline Intertie

Cost Range: \$8,000,000 - \$10,000,000

Location: Riverside County, CA

Description: This project installs approximately 600 linear feet of large diameter steel pipe, and various utility relocations.

Work Activities: Trenching, retaining wall, steel pipeline installation, welding, disinfection, electrical, and restoration paving and concrete.

Specifications No. 2026: Second Lower Feeder PCCP Rehabilitation - Reach 3B

Cost Range: \$45,000,000 - \$50,000,000

Location: Los Angeles County, CA

Description: The work consists of rehabilitation of approximately 19,000 linear feet of prestressed concrete cylinder pipe (PCCP) along the Second Lower Feeder rehabilitating two service connections and associated valving and piping. Installing three 48-inch conical plug valves provided by Metropolitan.

Work Activities: Excavation, pipeline installation, welding, annular space grouting, cement mortar lining, concrete, disinfection, electrical, hazardous material abatement, paving/surface restoration, valve installation, and traffic control.

Enhanced Recharge Phase 1B - \$64.6 Million

The Enhanced Recharge Project is located on the Santa Ana River and will divert up to 500 cubic feet per second (cfs) and is estimated to recharge an average of **15,500 AFY and up to approximately 80,000 AF/Y of stormwater during extremely wet years**. Water will be temporarily captured at the Seven Oaks Dam and diverted stormwater will flow to recharge basins for recharge into the San Bernardino Basin. Phase 1B includes construction of new recharge basins, construction of new channels, and modification/improvements to existing basins and channel structures. This project will improve regional drought resiliency by capturing and storing wet-year stormwater in the groundwater basin, which can be used during dry years. The project also helps improve the water quality of the groundwater basin by diluting salts and nutrients from the aforementioned recycled water projects. Habitat will be restored and protected within this project area for the federally and state listed San Bernardino kangaroo rat, as well as the Santa Ana River woolly-star and slender-horned spineflower, two plant species listed by the federal and state Endangered Species Acts. Major elements of the Enhanced Recharge Phase 1B project include:

- Construction of 18 new recharge basins and the expansion of two existing basins; Improvements to and extension of the existing channel; Installation of 7,700 LF of inter-basin and channel-basin 48-inch reinforced concrete pipe connector pipelines; and construction of new unpaved roads.

Enhanced Recharge Phase 1A Liner - \$1.9 Million

The Enhanced Recharge Project is located on the Santa Ana River and will divert up to 500 cubic feet per second (cfs), estimated to recharge an average of 15,500 AF/Y, up to approximately 80,000 AF/Y of stormwater during extremely wet years. Water will be temporarily captured at the Seven Oaks Dam and diverted stormwater will flow to recharge basins for recharge into the San Bernardino Basin. This project includes the installation of a geosynthetic liner within an existing sedimentation basin designed to reduce sediment load and water turbidity before it travels to downstream recharge basins and reduce the infiltration rate within the sedimentation basin.

Regional Recycled Water System Phase 1 - \$53 Million

The Regional Recycled Water System Phase 1 Project includes new conveyance pipelines and recharge basins that will serve as a regional facility to augment the groundwater supply of the San Bernardino Basin with drought-proof recycled water. East Valley Water District's Sterling Natural Resource Center (SNRC) and the San Bernardino Municipal Water Department's Tertiary Treatment System (TTS) will treat wastewater generated in their service areas for beneficial reuse in the Upper Santa Ana River Watershed. The SNRC and TTS will treat and convey up to approximately 16,600 AF/Y of the tertiary-treated water to SBVMWD at the Weaver Basins; a new regional facility built by SBVMWD to accept recycled water from various sources for groundwater replenishment. The discharged water will percolate into the groundwater basin, augmenting local water supplies pursuant to Title 22 regulations governing indirect potable reuse (IPR) projects. A portion of the Weaver Basins site is suitable habitat for the federally & state listed San Bernardino kangaroo rat and will be enhanced & conserved for the benefit of the species.

Phase 1 of this project includes the construction of approximately 5.0 miles of 30-inch cement mortar lined and coated (CML&C) recycled water pipe originating at the intersection of Sterling Avenue and 5th Street and terminating at the intersection of Greenspot Road and Weaver Street in the City of Highland, and a series of five (5) recharge basins to facilitate recharge of recycled water.

Cactus Basin Connector Pipeline - \$2.2 Million

The Cactus Basin Connection Pipeline Project will facilitate SWP recharge in Cactus Basins for the Rialto–Colton Basin. SBVMWD is working with the San Bernardino County Flood Control District and the City of Rialto to facilitate recharge of supplemental SWP water in the Cactus Basins by installing the Cactus Basin Connector Pipeline between the regional SWP Lytle Pipeline and the City of Rialto Storm Drain System. The project would recharge up to a maximum of approximately 7,000 AF/Y of high-quality SWP water into the depleted Rialto-Colton Basin. The project includes construction of the following major facilities and associated appurtenances in the general area of the Metropolitan Water District of Southern California’s right of way between Locust Avenue and Riverside Avenue:

- 2,200 LF of 24-inch HDPE pipe - 200 LF of CML&C pipe - 60 LF of RCP - Concrete vault structures - Electrical site work - SCADA controls

SAR Sustainable Parks & Tributaries Water Reuse - \$27.7 Million

The Santa Ana River Sustainable Parks & Tributaries Water Reuse (Purple Pipe) Project is a joint project between the SBVMWD and its Habitat Conservation Plan partners, and Riverside Public Utilities (RPU), to deliver tertiary treated recycled water from the Riverside Regional Water Quality Control Plant (RWQCP) to tributary restoration sites that are part of the conservation strategy of the Habitat Conservation Plan, as well as to future City of Riverside recycled water customers. The project will provide a high-quality, drought-proof water supply to approximately 3.5 miles of fish habitat. This restoration will benefit the federally protected Santa Ana sucker, the state species of special concern Arroyo chub, and several other native semi-aquatic species. The project will improve habitat conditions including water supply and water quality and provide a dependable minimum flow to these highly urbanized stream systems. The tributary restoration projects are being built to offset and mitigate the impacts of the water supply projects being constructed within the watershed. The project is to be constructed in two phases: West Branch Facilities (phase 1) and East Branch Facilities (phase 2). Only West Branch Facilities, including the following, will be funded through WIFIA in Watershed Connect Phase 1.

HCP Tributaries Restoration - \$14.2 Million

The HCP Tributaries Restoration Project includes stream and riparian enhancement activities at four tributaries to the Santa Ana River in Riverside: Old Farm Road, Anza Drain, Hole Creek, and Hidden Valley Wetlands. The streams flowing through these riparian areas are to be augmented with tertiary recycled water through the SAR Sustainable Parks and Tributaries Water Reuse project (West Branch – Hole Creek & Hidden Valley; East Branch – Old Farm Road & Anza Drain).

Central Feeder – EBX Intertie - \$2.3 Million

The Central Feeder – EBX Intertie Project will connect the Central Feeder Pipeline to the East Branch Extension of the California Aqueduct to protect the region from future water supply disruption. The project will facilitate water banking/ conjunctive use and allow for the bidirectional movement of SWP water and groundwater (conjunctive use). During dry years, this intertie is expected to facilitate the delivery of an additional 3,750 acre-ft/year (AFY) of water—stored in the Bunker Hill groundwater basin—to Yucaipa Valley Water District, South Mesa Water Company, and San Geronio Pass Water Agency.

Contacts:

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EMWD CIP 5 Year Planning Forcast FY 2022-2023 to 2024-2025

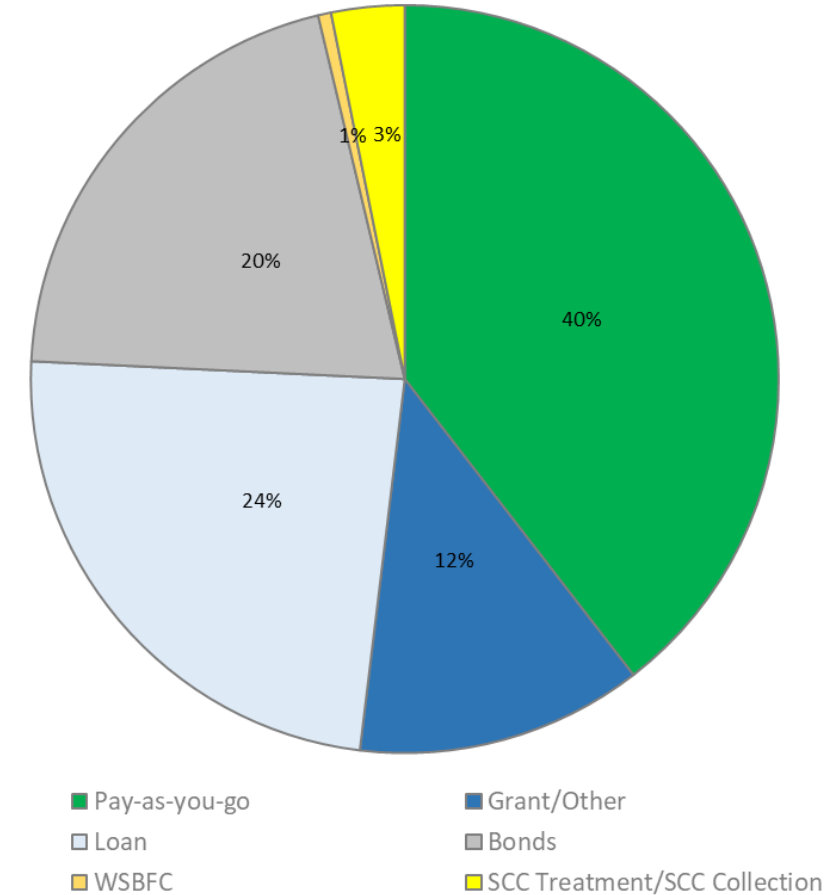
CONSTRUCTION PROJECTS				
Subject	Estimated Cost (million \$)	FY 22/23	FY23/24	FY24/25
Valley Boulevard Brackish Water Conveyance Pipeline Phase I	15.0			1
PWFP RAW Water Pumping Station Modifications	3.0		1	
Perris North Cactus Corridor Well Equipping and Treatment	50.9	4		
Perris North Moreno Valley Wells Equipping	10.8		1	
Well 37 Facility and Discharge Pipeline	4.7		1	
Well 56 Wellhead Treatment	3.5			1
Goetz Road 8 MG Potable Water Storage Tank	9.4	4		
Judson Storage Tank and Transmission Pipeline	2.1	3		
Judson Tank Site Grading and Civil Work	2.7		2	
Brine Pipeline Maintenance Access Improvements (Admistered by the COE)	4.5	4		
Cactus II Feeder Phase 2	32.7			4
Goetz Road Transmission Pipeline	6.4		1	
Mead Valley and Good Hope Water System Improvements (ARPA)	3.5		3	
Mead Valley I Booster Pump Station Replacement (ARPA)	5.0			1
Menifee Road Water Pipeline	3.4		3	
Mission Canyon II Pump Station Replacement	2.1		4	
Murrieta Road Booster Station	10.2		1	
Perris Blvd Transmission Pipeline	5.1		4	
Wells 206, 207, 208 & 209 Raw Water Conveyance - Phase 2 (Advertised 31AUG22)	7.8	2		
Perris North Cactus Corridor Transmission Pipeline Phase III	4.5		2	
Rice Road Pipeline Salt Creek Crossing	1.1		1	
Ridgemoor Road 12-inch Pipeline	4.0		1	
State Street Pipeline Replacement	2.0		1	
Steeplechase and Kalmia Booster Replacement	3.0		1	
Washington Street Transmission Main	2.5		1	
Mead Valley Cajalco Corridor Sewer Alternative (ARPA)	4.3		1	
PVRWRF Biosolids Loadout Facility Improvement	3.2	3		

CONSTRUCTION PROJECTS				
SUBJECT	(million \$)	FY 22/23	FY 23/24	FY 24/25
PVRWRF Side Stream Treatment	7.4			1
PVRWRF Vactor Truck Dump Station	2.1		2	
RWRF Aeration Diffuser Replacement	3.2		4	
SJVRWRF Plant I Rehabilitation	15.9	4		
TVRWRF Nutrient Side Stream Treatment	3.7			1
TVRWRF Plant I Air Line Replacement	2.2		1	
Calle Medusa Sewer Pipeline Protection	6.1		3	
Diaz Sewer Modification	5.1		2	
Kitching Street and Iris Avenue Sewer Replacement	1.6		2	
Moreno Valley Oliver Street Sewer SR 60 Crossing	1.8		1	
Northern Wine Country Phase II Warren Road and East Benton (ARPA)	6.5			2
Southern Wine Country Sewer De Portola and Anza Road (ARPA)	7.7			2
Warm Springs Lift Station Replacement	26.7		4	
Subtotal	297.4			
DESIGN PROJECTS				
Brackish Water Conveyance Pipelines Phase 2				25/26
Hewitt and Evans Groundwater Treatment Facility Phase II				24/25
Purified Water Replenishment Conveyance Pipelines			23/24	
Keller Road Pipeline			23/24	
Romoland Feeder Replacement				24/25
Western Way Booster Station and Pipeline				26/27
PVRWRF Rehabilitation				24/25
SJVRWRF Dewatering Building Odor Scrubber				24/25
SJVRWRF Digester Gas Beneficial Use and Compression				24/25
SJVRWRF Rehabilitation			23/24	
SJRWRF Vactor Truck Dump Station			23/24	
TVRWRF Dewatering Building Odor Scrubber Replacement				24/25
TVRWRF Vactor Truck Dump Station			23/24	
Santa Gertrudis 24-inch RW Pipeline Replacement				24/25

Coachella Valley Water District FY 23 Capital Improvement Budget

Fund	Pay-as-you-go	Grant/Other	Loan/Bond	Restricted Reserves (WSBFC/SCC)	Total
General District	\$6,068,000	269,600	-	-	6,337,600
Domestic Water	\$1,750,000	15,050,000	11,857,000	1,020,000	29,677,000
Canal	\$4,187,500	1,887,500	4,750,000	-	10,825,000
East Replenishment	\$310,000	-	5,500,000	-	5,810,000
Stormwater	\$32,846,331	75,000	48,257,251	-	81,178,582
West Replenishment	\$5,377,295	-	-	-	5,377,295
Sanitation	\$18,678,215	5,201,750	10,107,000	5,739,000	39,725,965
Motorpool	\$2,488,000	-	-	-	2,488,000
Total	\$71,705,341	\$22,483,850	\$80,471,251	\$6,759,000	181,419,442

Funding Source for Proposed FY 23 Budget



Total Budget \$181,419,442