

# Capital Improvement Program FY 2022-23



Rep. Raul Ruiz (CA-36)

Delivering value to our customers and the communities we serve by providing safe, reliable, economical and environmentally sustainable water, wastewater and recycled water services.





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# Purpose of Report

Eastern Municipal Water District (EMWD) is future-focused. Therefore, we plan for and construct state-of-the-art facilities and infrastructure in order to meet the dynamic and growing water treatment and delivery, wastewater collection and treatment, and recycled water delivery needs of EMWD's 558 square mile service area. This extensive and robust infrastructure is developed with well-managed and cost-effective solutions at the forefront throughout the planning, design, and construction process.

EMWD's Capital Improvement Program (CIP) is a 5-year snapshot of our long-term Capital Improvement Plan document which contains all of the water treatment and delivery, wastewater collection and treatment, and recycled water distribution system capital improvements that are needed to support the buildout of existing jurisdictional General Plans throughout our service area.

The CIP relies on the Capital Improvement Plan document and Facility Master Plans for our water, wastewater, and recycled water systems to identify the improvements needed, establish when they will be needed and provide updated estimates of their costs. The funding needed to support EMWD's short and long-term expansion of the systems is summarized in the CIP. The CIP also schedules the necessary construction by project year and aligns the financing necessary to meet this schedule.

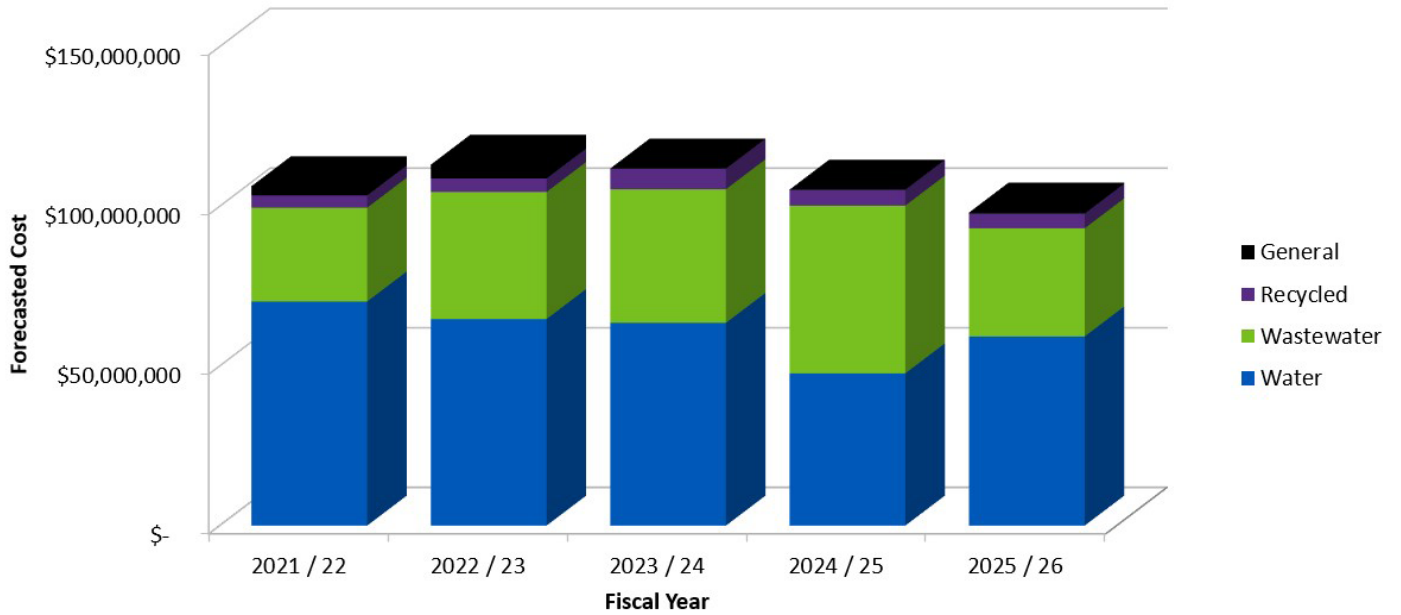
The projects in the CIP are tracked during the current year and the entire five year program is reviewed and revised on an annual basis. During the annual review, projects are added, deferred or deleted based on current growth projections and any newly identified requirements are prioritized into the respective future years. This report provides an overview of current active projects.



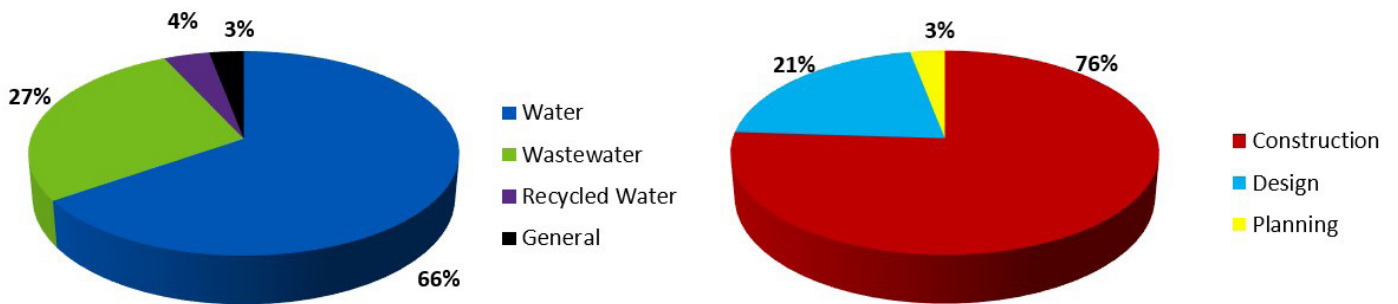
*Mountain Avenue West Groundwater Replenishment Basins*

# Capital Improvement Program Summary

## 2021 – 2026 Overview

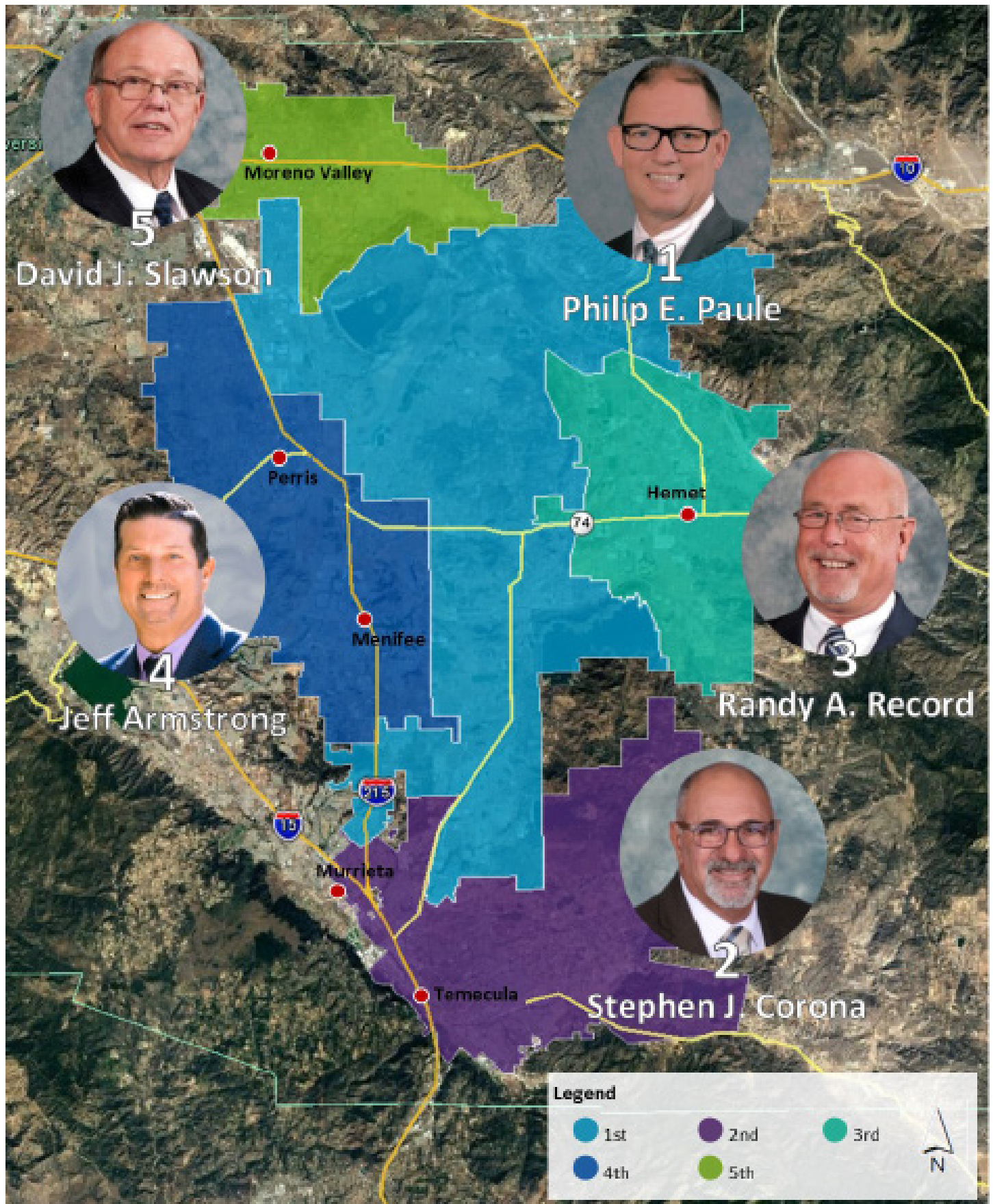


## FY 2021 / 2022 Overview

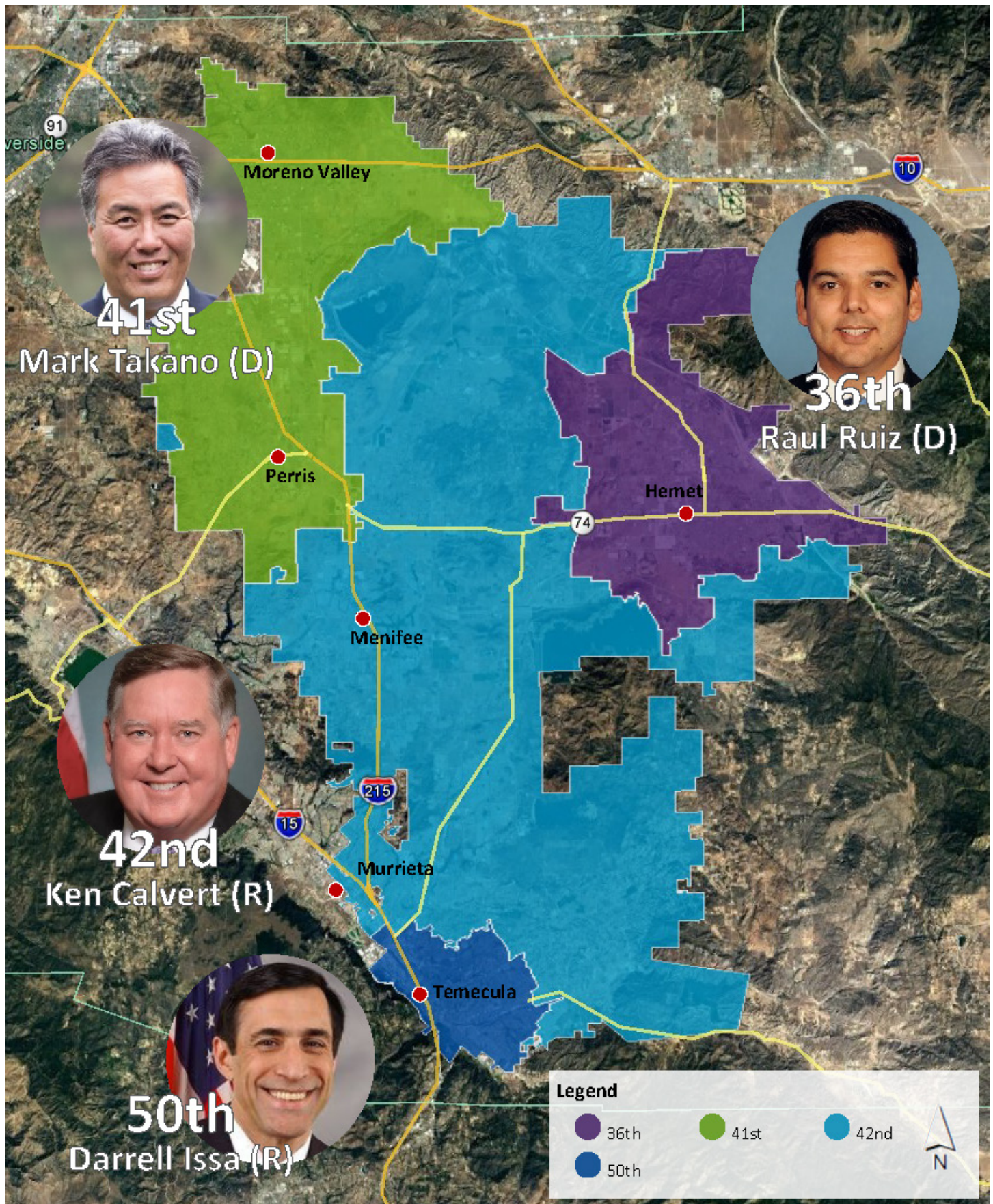


PROJECT TYPE	COUNT	2021 – 22 (\$ Million)
WATER	94	\$70.2 Mil
WASTEWATER	62	\$29.4 Mil
RECYCLED	17	\$3.8 Mil
GENERAL	8	\$2.9 Mil
TOTAL	181	\$106.3 Mil

# Board Member Divisions



# Congressional Districts



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# EM-25 Service Connection Flow Control and Chlorination Facility

## PROJECT SUMMARY

This Specification 1383W consists of construction of a new turnout (EM-25) on Metropolitan Water District Inland Feeder Eastside Pipeline (Schedule B) and a new Flow Control and Chlorination Facility near Esplanade Avenue and Warren Road (Schedule A). These facilities will be designed to provide additional water supply of 42 CFS under Phase 1 and ultimately 100 CFS under Phase 2 to the San Jacinto Valley Recharge and Recovery Program. Note that original design costs and a portion of engineering services during construction were included under WO 413808.

## CURRENT STATUS:

**Bid / Construction**

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2021/2022
- Finish: Spring 2024

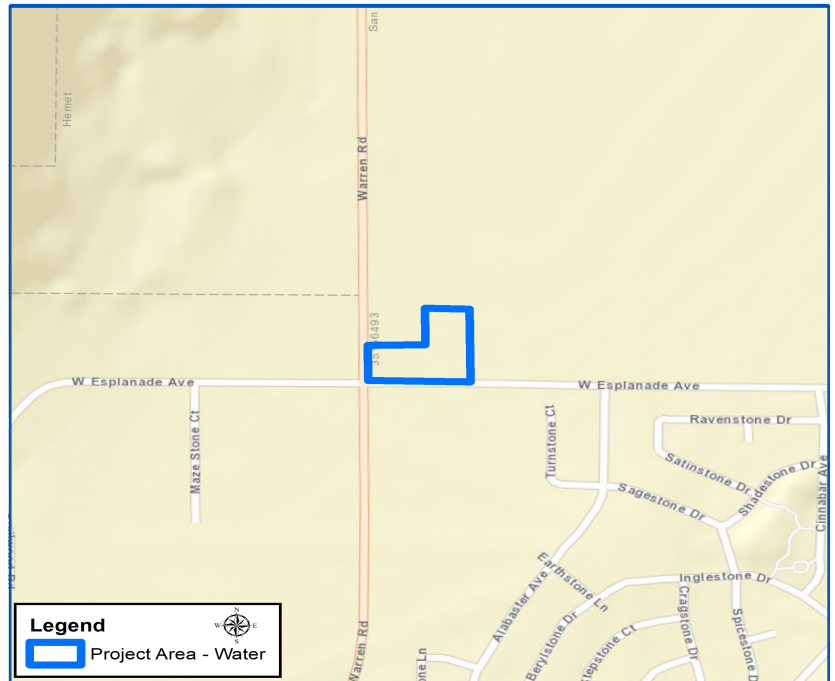
## PROJECT BUDGET

- Estimated Total Project Budget: \$11,200,000
- Estimated Construction Budget: \$9,490,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD's water conveyance system is designed to provide reliability and redundancy to deliver high-quality water to homes and businesses with minimal interruptions and to promote public safety through the delivery of sufficient pressure and availability to support fire suppression services.

## PROJECT LOCATION



## MORE INFORMATION

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- EMWD BOARD MEMBER:  
Director Randy A. Record  
Division No. 3

# Grant Street Booster Electrical Replacement

## PROJECT SUMMARY

The Grant Street Booster Station is located at 44942 Palm Avenue situated in the southerly portion of the Grant Street ponds retention facility in Hemet, California. The scope of the project is to upgrade and replace the four electric motor-driven pumps that convey raw water to the Grant Street ponds for groundwater recharge.

**CURRENT STATUS:** Bid / Construction

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Fall 2022

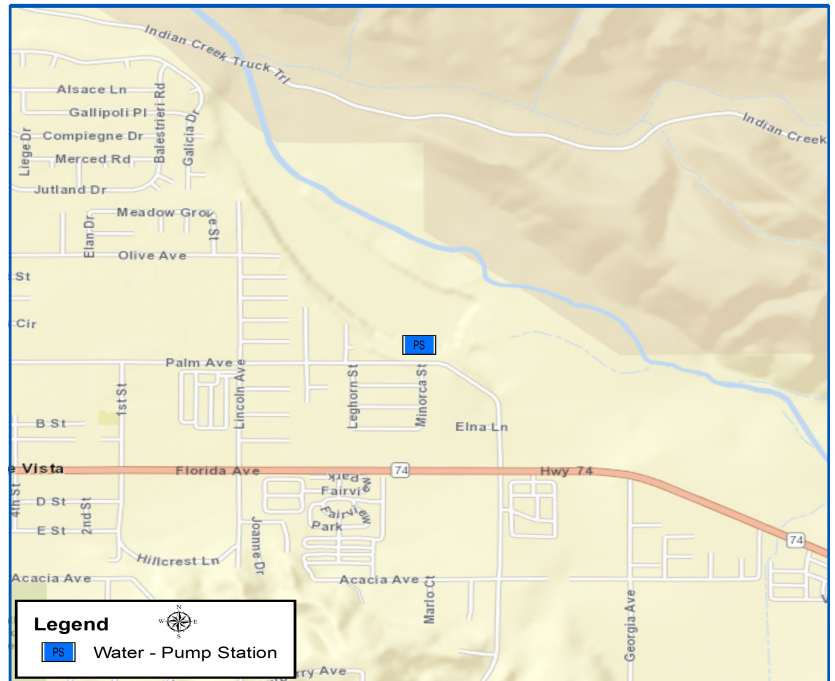
## PROJECT BUDGET

- Estimated Total Project Budget: \$1,152,000
- Estimated Construction Budget: \$1,056,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD’s water conveyance system is designed to provide reliability and redundancy to deliver high-quality water to homes and businesses with minimal interruptions and to promote public safety through the delivery of sufficient pressure and availability to support fire suppression services.

## PROJECT LOCATION



## MORE INFORMATION

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# Hewitt and Evans Groundwater Treatment

## PROJECT SUMMARY

The Hewitt and Evans Groundwater Treatment, Phase I is a well treatment facility project located at the intersection of Hewitt Street and Evans Street in San Jacinto, California. The project is part of the San Jacinto Valley Water Banking - Enhanced Recharge and Recovery Program (SJVWB-ERRP) and the District's Groundwater Reliability Plus Initiative for the expansion of groundwater recharge and supplement current and future water supplies of imported water in the local groundwater basin.

**CURRENT STATUS:** Bid / Construction

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2022/2023
- Finish: Winter 2024/2025

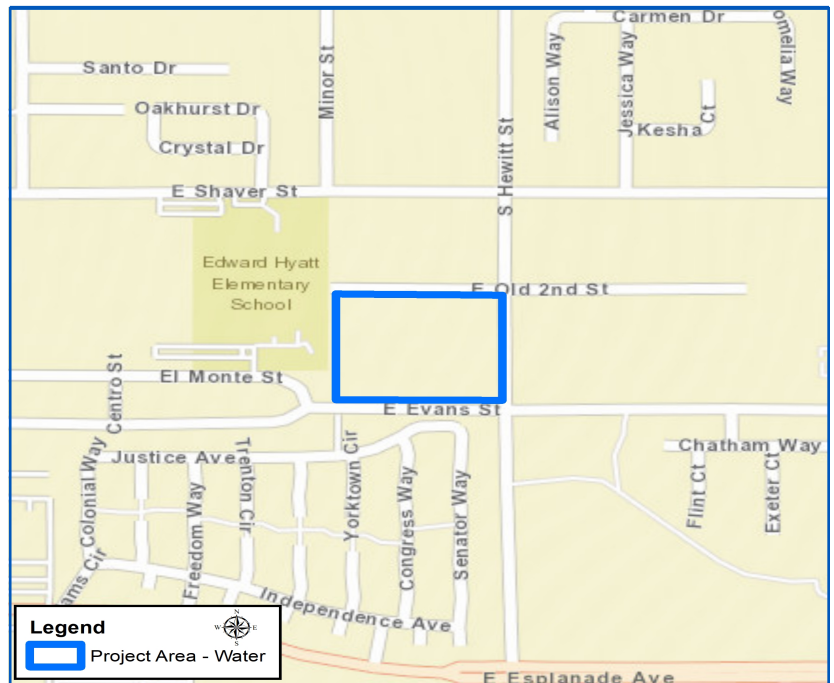
## PROJECT BUDGET

- Estimated Total Project Budget: \$18,282,000
- Estimated Construction Budget: \$16,888,000
- Estimated Grant Percentage: 15%

## PROJECT BENEFIT

Through collaborative and multi-faceted approaches, EMWD is able to successfully manage and augment its groundwater supplies in an economically and environmentally responsible manner to ensure long-term reliability for its customers.

## PROJECT LOCATION



## MORE INFORMATION

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# Hemet Water Filtration Plant Boll Filter Replacement

## PROJECT SUMMARY

The existing water filters at Screen Building, Hemet Water Filtration Plant are starting to fail and leak. This project will replace existing water filters with two (2) new automatic self-cleaning Boll filters. New filters will be installed next to the existing filters. There are reserved spaces for the new filters and existing piping inlets and outlets for connecting to the underground water manifolds. Location: Hemet Water Filtration Plant, Hemet.

**CURRENT STATUS:** Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Spring 2024

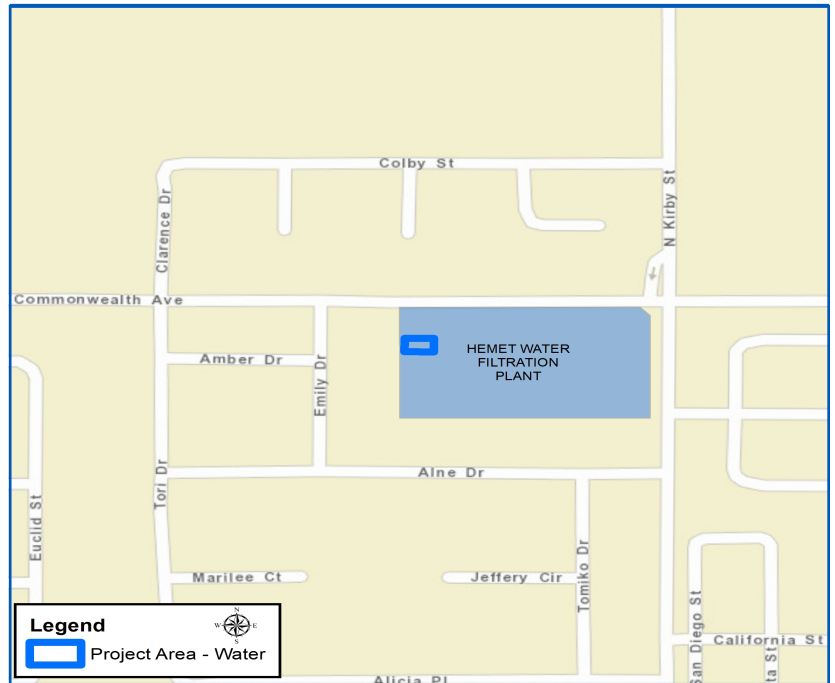
## PROJECT BUDGET

- Estimated Total Project Budget: \$614,000
- Estimated Construction Budget: \$536,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD strives to ensure all supplies introduced into the distribution systems are of a water quality that protects the health and safety of the community and is in full compliance with all applicable Federal and State standards.

## PROJECT LOCATION



## MORE INFORMATION

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# Purified Water Replenishment Program

## PROJECT SUMMARY

The Purified Water Replenishment (PWR) project will design and construct an advanced water purification facility for treating effluent from the San Jacinto Valley Regional Water Reclamation Facility (SJVWRF) through membrane filtration reverse osmosis (RO) treatment processes prior to groundwater recharge. This effort includes developing a local groundwater model, Title 22 Engineering Report, and preparation of a project environmental impact report (EIR).

**CURRENT STATUS:** Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Spring 2026

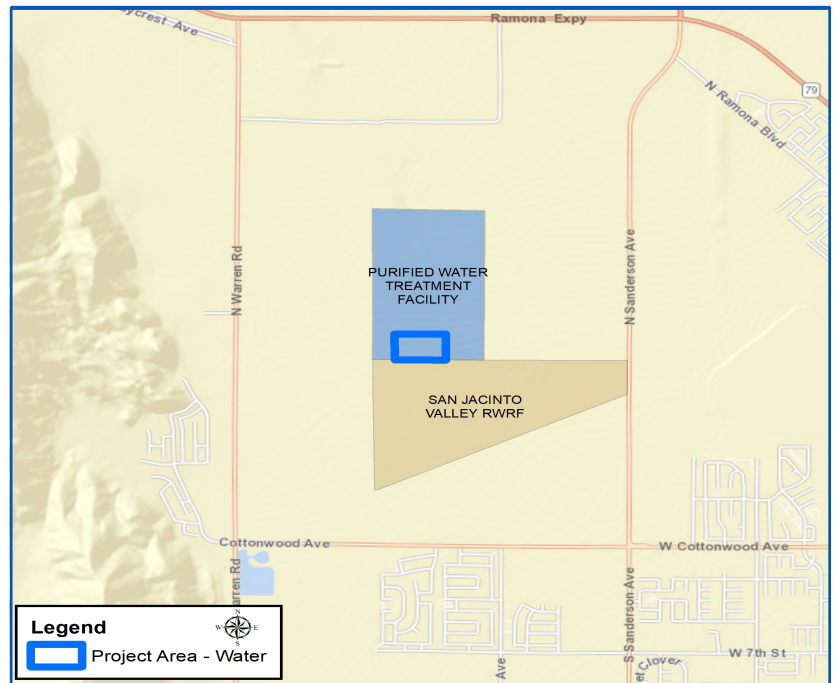
## PROJECT BUDGET

- Estimated Total Project Budget: \$83,649,000
- Estimated Construction Budget: \$68,786,000
- Estimated Grant Percentage: 30%

## PROJECT BENEFIT

Through collaborative and multi-faceted approaches, EMWD is able to successfully manage and augment its groundwater supplies in an economically and environmentally responsible manner to ensure long-term reliability for its customers.

## PROJECT LOCATION



## MORE INFORMATION

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# San Jacinto Water Supply Pipeline Phase I

## PROJECT SUMMARY

This Specification 1382W consists of construction of approximately 2.25 miles of 60-inch feeder in Esplanade Avenue, Sanderson Avenue, and Commonwealth Avenue between Warren Road and the Hemet Water Filtration Plant (Schedule A). These facilities will provide additional water supply (Phase 1: 42 CFS) to the San Jacinto Valley Recharge and Recovery Program. Project also includes cathodic protection system (CP) improvements needed on the existing 33-inch and 39-inch San Jacinto Valley Raw Water Feeder as a result of pipeline condition assessment (Schedule B). Cathodic Protection improvements generally along Warren Road from EM-14 to Esplanade Avenue and Esplanade Avenue and Commonwealth Avenue from Warren Road to Mountain Avenue in the City of San Jacinto and City of Hemet. Note that this work order/construction order included design costs for both 1382W and 1383W, and includes a portion of engineering services during construction for 1383W.

**CURRENT STATUS:** Bid / Construction

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2021
- Finish: Winter 2022/2023

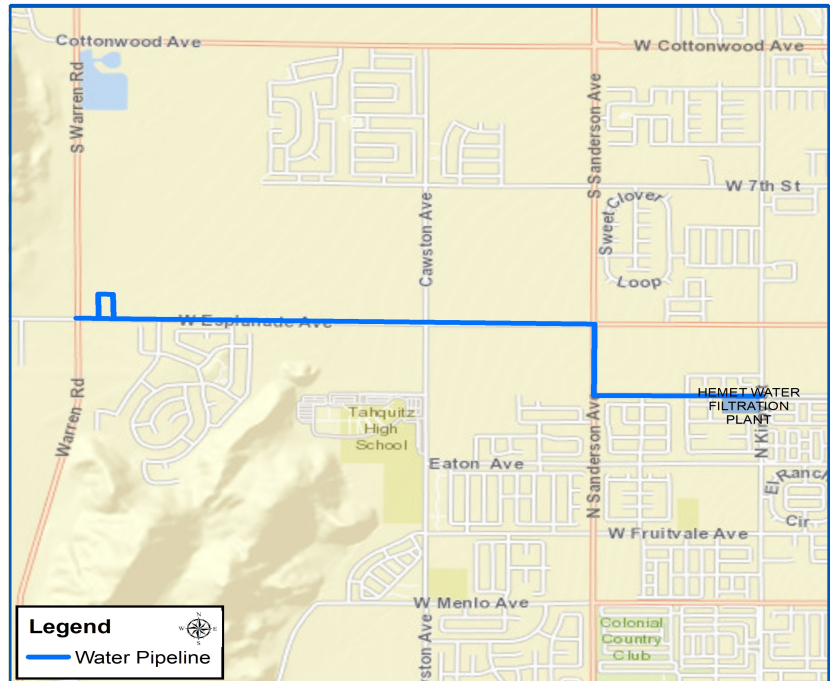
## PROJECT BUDGET

- Estimated Total Project Budget: \$26,950,000
- Estimated Construction Budget: \$23,005,000
- Estimated Grant Percentage: 5%

## PROJECT BENEFIT

EMWD's water conveyance system is designed to provide reliability and redundancy to deliver high-quality water to homes and businesses with minimal interruptions and to promote public safety through the delivery of sufficient pressure and availability to support fire suppression services.

## PROJECT LOCATION



## MORE INFORMATION

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# San Jacinto Valley Wells Location Evaluation

## PROJECT SUMMARY

The San Jacinto Valley Well Property Identification and Evaluation Study will identify and evaluate the acquisition of property for new potable groundwater well sites in the San Jacinto Upper Pressure Zone. The Study Area will focus on the Ramona Expressway corridor between State Street and Florida Avenue along the eastern edge of the District.

**CURRENT STATUS:** Planning

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: N/A
- Finish: N/A

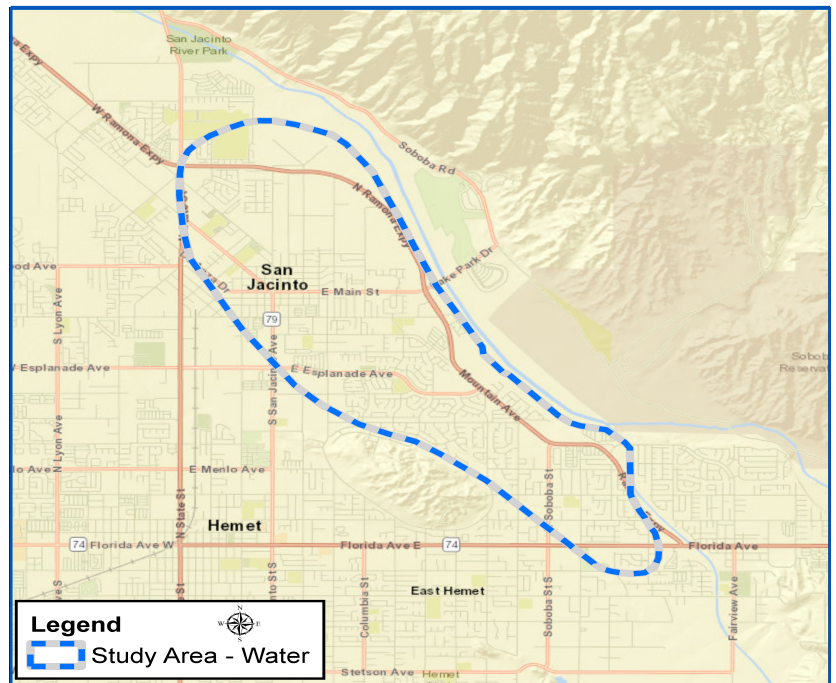
## PROJECT BUDGET

- Estimated Total Project Budget: \$2,500,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: 58%

## PROJECT BENEFIT

Through collaborative and multi-faceted approaches, EMWD is able to successfully manage and augment its groundwater supplies in an economically and environmentally responsible manner to ensure long-term reliability for its customers.

## PROJECT LOCATION



## MORE INFORMATION

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# State Street Pipeline Replacement

## PROJECT SUMMARY

Along State Street, between Stetson Avenue and Simpson Rd (Diamond Valley III Pump Station) in Hemet, CA. This project will consist of the replacement of approximately 8,000 feet of existing 20-inch steel pipeline, but may be separated into phases depending on the pipeline segments identified for priority replacement.

**CURRENT STATUS:** Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2023/2024
- Finish: Spring 2025

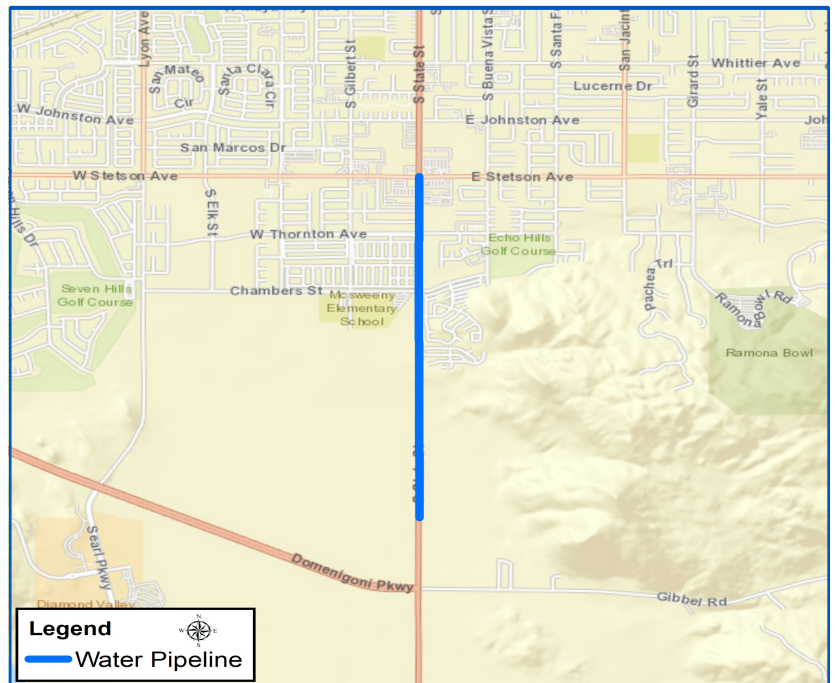
## PROJECT BUDGET

- Estimated Total Project Budget: \$2,655,000
- Estimated Construction Budget: \$2,124,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

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## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Kevin Pearson  
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# Well 37 Facility and Discharge Pipeline

## PROJECT SUMMARY

The equipping of Well 37 (Well 14 replacement) consists of the design and construction of a well building, pump and motor, piping, and other related appurtenances. The project site is located approximately 1,200 feet east of Mountain Avenue and approximately 2,000 feet north of the intersection of Esplanade Avenue and Mountain Avenue in the City of San Jacinto. The project is due south of a residential development and just west of the San Jacinto River levee.

**CURRENT STATUS:** Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Summer 2024

## PROJECT BUDGET

- Estimated Total Project Budget: \$6,977,000
- Estimated Construction Budget: \$5,894,000
- Estimated Grant Percentage: 35%

## PROJECT BENEFIT

Through collaborative and multi-faceted approaches, EMWD is able to successfully manage and augment its groundwater supplies in an economically and environmentally responsible manner to ensure long-term reliability for its customers.

## PROJECT LOCATION



## MORE INFORMATION

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# Wells 201, 202, 203, and 205 Equipping

## PROJECT SUMMARY

The Wells 201, 202, 203, and 205 Equipping project is located just west of Mountain Avenue between Main Street and Evans Street in San Jacinto, California. These wells are Phase I of the San Jacinto Valley Water Banking - Enhanced Recharge and Recovery Program (SJVWB-ERRP) groundwater production facilities to expand groundwater supply capacity by recharging imported water in the local groundwater basin. Wells 201, 202, and 203 are partially funded by the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP) Proposition 84 Grant. Well 205 is a nonprogram, centralized treatment facility.

**CURRENT STATUS:** Bid / Construction

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2021
- Finish: Winter 2023/2024

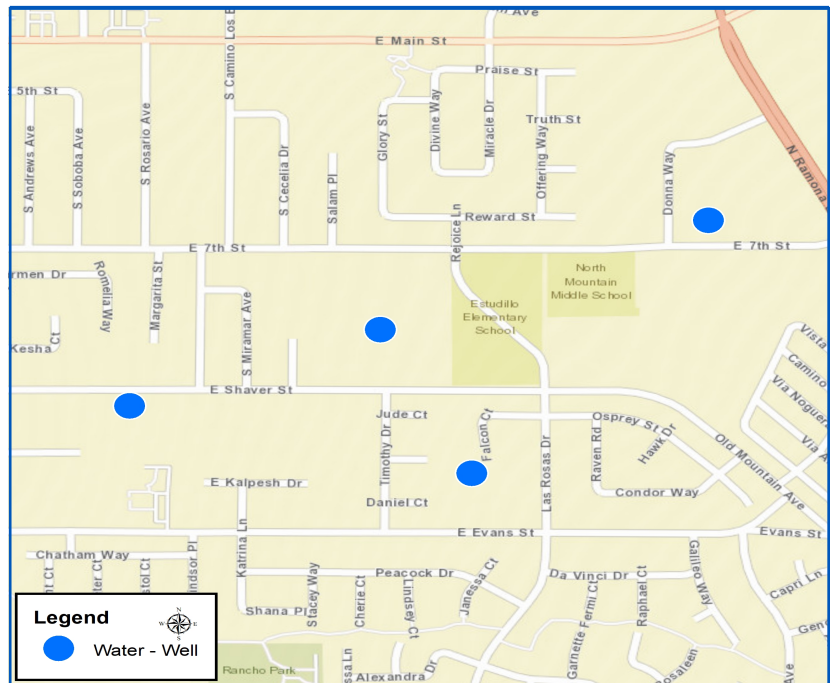
## PROJECT BUDGET

- Estimated Total Project Budget: \$26,366,000
- Estimated Construction Budget: \$25,371,000
- Estimated Grant Percentage: 13%

## PROJECT BENEFIT

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## PROJECT LOCATION



## MORE INFORMATION

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# Cawston Lift Station Replacement

## PROJECT SUMMARY

The existing 4.5 MGD Cawston Lift Station (CLS) was constructed and put into operation in 1978, where it pumped westerly Hemet's sewer flow via Sanderson Lift Station to San Jacinto Valley Regional Water Reclamation Facility for treatment. Since 2012, CLS was deactivated and all the CLS influent sewer flow was redirected toward Winchester Lift Station and treated at Perris Valley Regional Water Reclamation Facility instead. In 2019, the CLS condition assessment confirmed that the existing mechanical and electrical equipment were obsolete, the existing dry/wet well structure is undersized and deteriorating, and CLS should be completely refurbished or replaced. In 2021, San Jacinto Valley Reclamation Integrated Plan report recommended a 5 MGD lift station must be put into operation by 2026/2027, and expanded to a projected 11.4 MGD at ultimate buildout capacity. This project will perform property evaluation of three potential project sites for the new Cawston Sewage Lift Station, including Phase 1 environmental site assessment review. Project location is 26800 Cawston Avenue, Hemet.

**CURRENT STATUS:** Planning

### ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2027
- Finish: Spring 2029

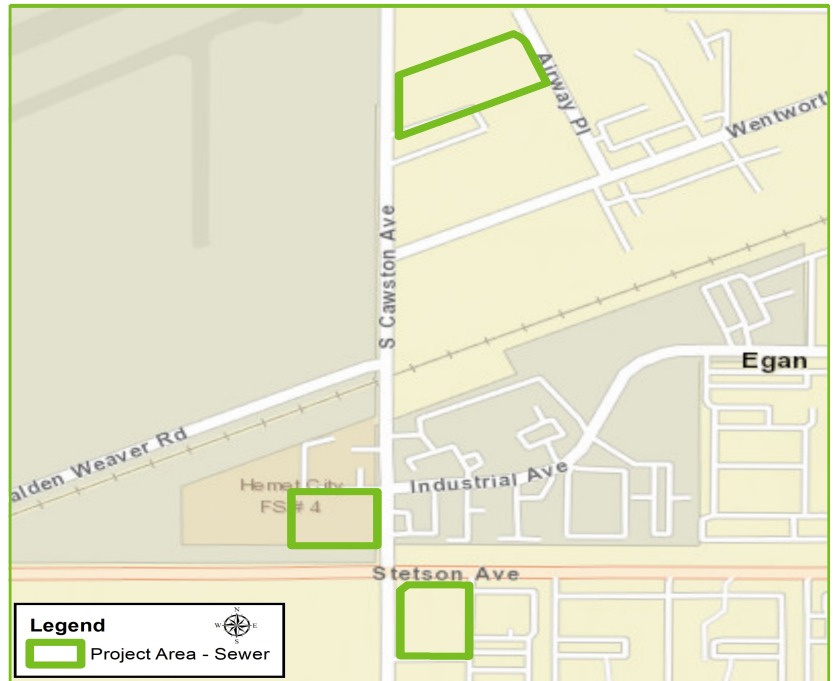
### PROJECT BUDGET

- Estimated Total Project Budget: \$23,634,000
- Estimated Construction Budget: \$18,907,000
- Estimated Grant Percentage: N/A

### PROJECT BENEFIT

EMWD strives to protect public health through the safe and reliable transmission of wastewater from homes and business to its regional water reclamation facilities.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Kevin Pearson  
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Director Randy A. Record  
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# San Jacinto Valley Regional Water Reclamation Facility Centrate Equalization

## PROJECT SUMMARY

This project is to perform final design for the San Jacinto Valley Regional Water Reclamation Facility Centrate Equalization System. This project includes: 1) converting one existing digester to centrate equalization tank, 2) a new pump station to receive and transfer collected centrate, and 3) a new centrate return pump station.

**CURRENT STATUS:** Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2022/2023
- Finish: Winter 2023/2024

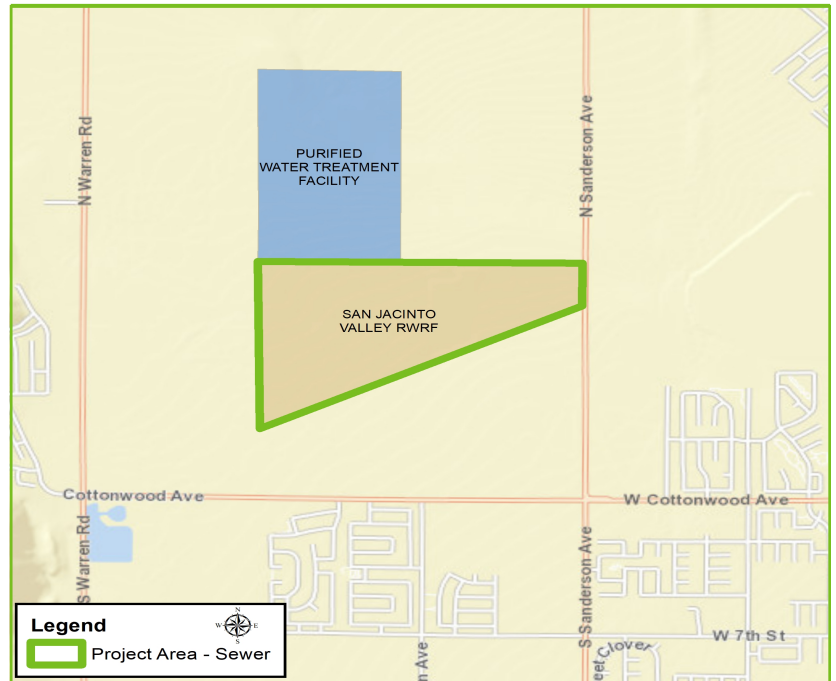
## PROJECT BUDGET

- Estimated Total Project Budget: \$3,204,000
- Estimated Construction Budget: \$2,449,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD protects public health through cost-effective projects and programs to manage biosolids, achieve long-term disposal independence through environmentally sustainable reuse, and the development of recycled water supplies.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Kevin Pearson  
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- EMWD BOARD MEMBER:  
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# San Jacinto Valley Regional Water Reclamation Facility Digester No. 2 Rehabilitation

## PROJECT SUMMARY

Project will repurpose existing San Jacinto Valley Regional Water Reclamation Facility Digester No. 2 as a centrate equalization tank. Project will include structural repair of the digester, piping replacement, and recoating of mechanical systems. Project Location: San Jacinto Valley Regional Water Reclamation Facility, 770 North Sanderson Avenue, San Jacinto, California 92583

**CURRENT STATUS:** Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2022/2023
- Finish: Summer 2024

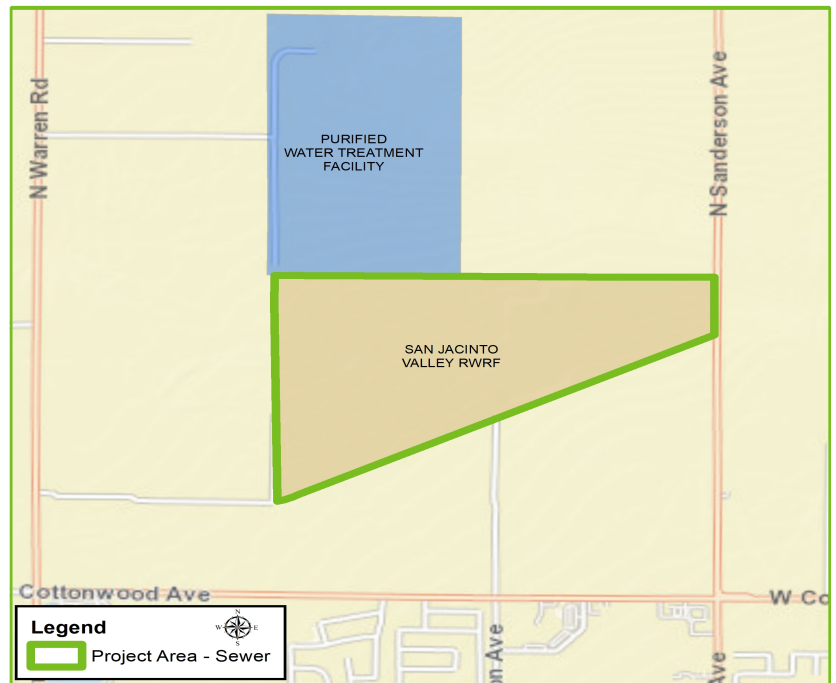
## PROJECT BUDGET

- Estimated Total Project Budget: \$2,132,000
- Estimated Construction Budget: \$1,855,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD protects public health through cost-effective projects and programs to manage biosolids, achieve long-term disposal independence through environmentally sustainable reuse, and the development of recycled water supplies.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Kevin Pearson  
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# San Jacinto Valley Regional Water Reclamation Facility Plant 1 Rehabilitation

## PROJECT SUMMARY

The San Jacinto Valley Regional Water Reclamation Facility (SJVWRF) Plant 1 was constructed in the mid-1960s and was taken off line in 2013 following completion of SJVWRF Plant 2 Expansion Project. A condition assessment of the SJVWRF Plant 1 facilities done in March 2018 recommended incorporating the Plant 2 primaries as the feed to the Plant 1 secondary process. This recommendation simplifies the rehabilitation of Plant 1 and allows the Plant 1 primaries to be reserved for alternative use.

**CURRENT STATUS:** Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2022/2023
- Finish: Summer 2024

## PROJECT BUDGET

- Estimated Total Project Budget: \$15,797,000
- Estimated Construction Budget: \$14,346,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD protects public health through cost-effective projects and programs to manage biosolids, achieve long-term disposal independence through environmentally sustainable reuse, and the development of recycled water supplies.

## PROJECT LOCATION



## MORE INFORMATION

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# Mount San Jacinto College San Jacinto Campus Recycled Water Retrofit

## PROJECT SUMMARY

The Mount San Jacinto College (MSJC) San Jacinto campus is situated on approximately 150 acres located north of the Ramona Expressway and east of State Street. The campus includes 28 acres of landscaping primarily comprised of turf. The project scope of work will be to install approximately 1,380 feet of 8-inch recycled water pipeline on Eagle Road from an existing recycled water pipeline located within Ramona Expressway. This project will also include the on-site drip conversion of the campus irrigation system.

**CURRENT STATUS:** Planning

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2024/2025
- Finish: Fall 2025

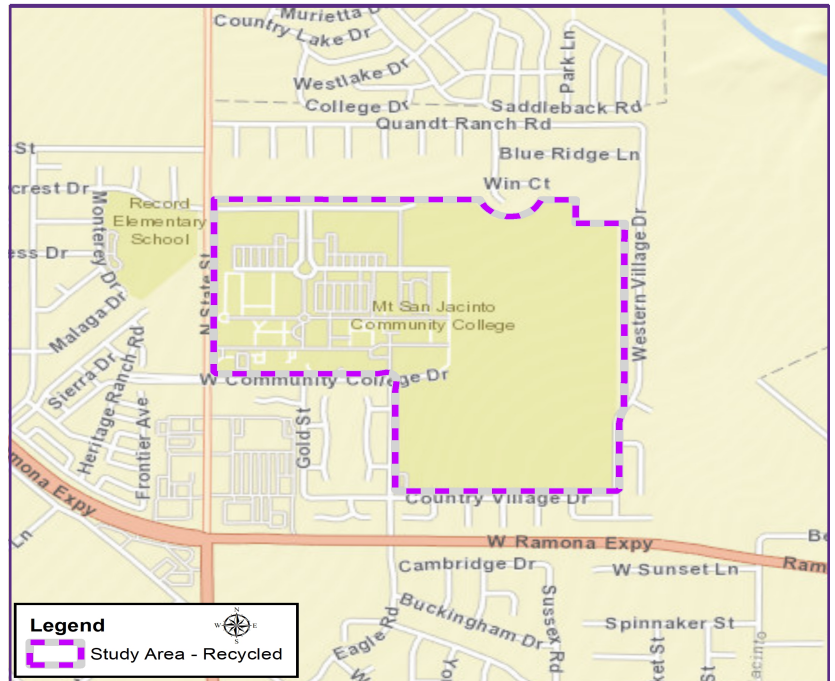
## PROJECT BUDGET

- Estimated Total Project Budget: \$464,000
- Estimated Construction Budget: \$331,000
- Estimated Grant Percentage: 25%

## PROJECT BENEFIT

EMWD's recycled water conveyance system is designed to provide reliability and redundancy in delivering high-quality recycled water in a cost-effective manner to help reduce reliance on drinking water supplies for irrigation and industrial purposes.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Kevin Pearson  
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- EMWD BOARD MEMBER:  
Director Randy A. Record  
Division No. 3

# Microwave Backbone Tower Sky Mesa, Hunter and Broderson Tanks

## PROJECT SUMMARY

To install a new 80-foot communications tower each for the District's microwave backbone system at Sky Mesa at 23728 Tapatia Road, Hunter at 92548 Hunter Road, and Broderson tanks at 22660 Climbing Rose Drive. The existing towers do not have the needed height.

**CURRENT STATUS:** Bid / Construction

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2020
- Finish: Fall 2022

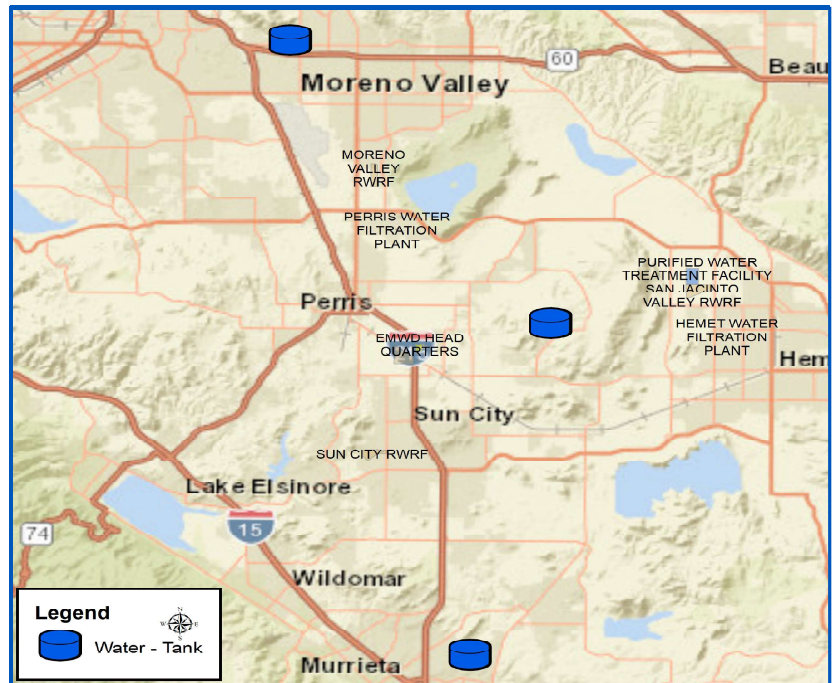
## PROJECT BUDGET

- Estimated Total Project Budget: \$758,000
- Estimated Construction Budget: \$736,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

Water storage facilities allow EMWD to provide water supply reliability, maintain system pressurization and to provide emergency water storage in the event of unplanned outages.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Alma Ramirez  
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R



# 2021 Moreno Valley Flow Monitoring and Model Calibration

## PROJECT SUMMARY

The project will capture dry and wet weather flows in the Moreno Valley sewer collection system for three and ten weeks, respectively. The flow monitoring data will be used to calibrate the Moreno Valley InfoSewer hydraulic model.

### CURRENT STATUS:

**Planning**

### ESTIMATED CONSTRUCTION SCHEDULE

- Start: N/A
- Finish: N/A

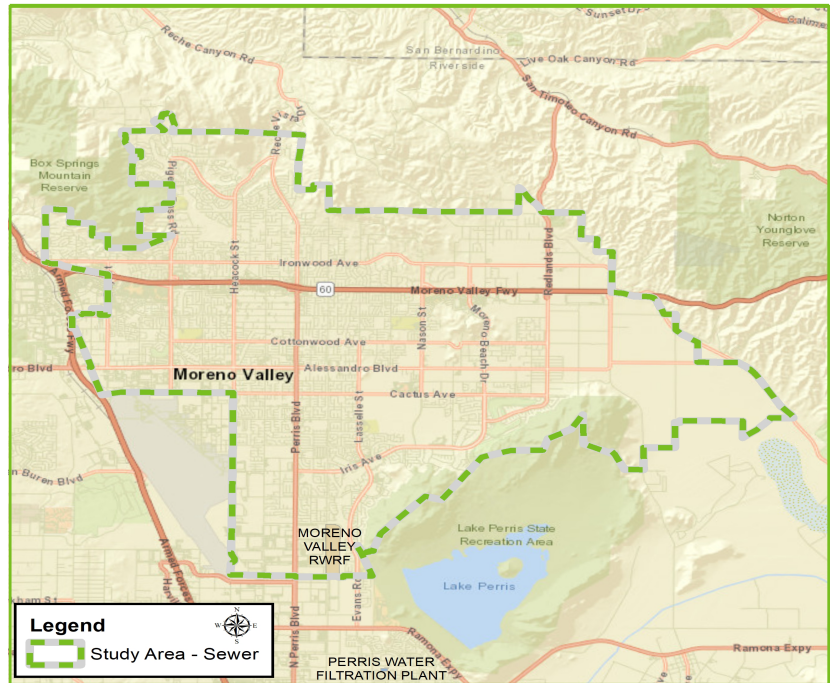
### PROJECT BUDGET

- Estimated Total Project Budget: \$589,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

### PROJECT BENEFIT

EMWD strives to protect public health through the safe and reliable transmission of wastewater from homes and business to its regional water reclamation facilities.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Alma Ramirez  
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R

# Regional Water Reclamation Facility Digester Gas Utilization Solicitation

## PROJECT SUMMARY

Development of a request for interest (RFI) and a request for proposal (RFP) to solicit vendors and/or other parties to accept and utilize digester gas at our four Regional Water Reclamation Facilities (RWRFs). Project Location: 770 North Sanderson Avenue, San Jacinto, California 92583; 17140 Kitching Street, Moreno Valley, California 92551; 42565 Avenida Alvarado, Temecula, California 92590; and 1301 Case Road, Perris, California 92570.

**CURRENT STATUS:** Planning

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: N/A
- Finish: N/A

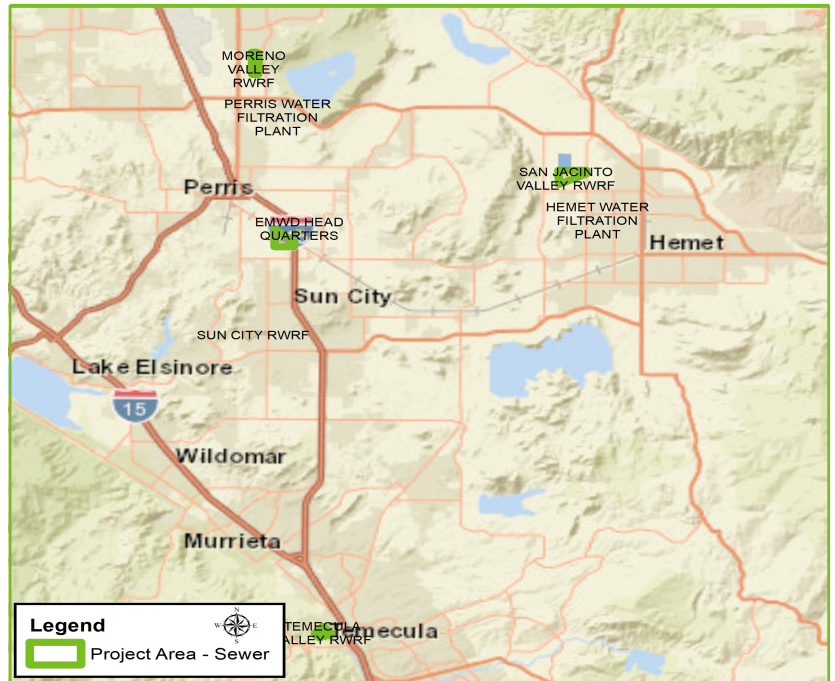
## PROJECT BUDGET

- Estimated Total Project Budget: \$175,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD protects public health through cost-effective projects and programs to manage biosolids, achieve long-term disposal independence through environmentally sustainable reuse, and the development of recycled water supplies.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Alma Ramirez  
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R

# Regional Water Reclamation Facility Nutrient Loading and Treatment Evaluation

## PROJECT SUMMARY

2015 Regional Water Reclamation Facility Master Plan developed new approach to identify plant expansion triggers based on daily influent volume, Biochemical Oxygen Demand (BOD)/Total Suspended Solids (TSS)/ammonia loading. Conservation effects have impacted daily influent volumes leading to higher concentrations of Biochemical Oxygen Demand, Total Suspended Solids, and ammonia.

## CURRENT STATUS:

**Planning**

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: N/A
- Finish: N/A

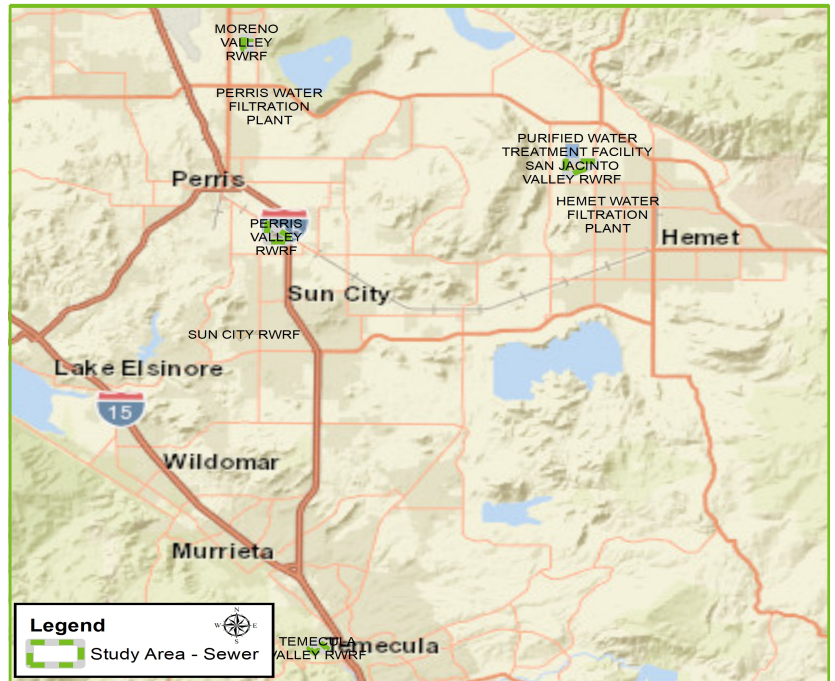
## PROJECT BUDGET

- Estimated Total Project Budget: \$810,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD protects public health through cost-effective projects and programs to manage biosolids, achieve long-term disposal independence through environmentally sustainable reuse, and the development of recycled water supplies.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Roxanne Rountree  
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountrr@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R



# Temecula Valley Regional Water Reclamation Facility and Perris Valley Regional Water Reclamation Facility Side Stream Treatment

## PROJECT SUMMARY

The proposed project is to design and implement a sidestream treatment system at Temecula Valley Regional Water Reclamation Facility and Perris Valley Regional Water Reclamation Facility. It will defer major expansions by addressing nitrogen reduction through the implementation of sidestream treatment. Project Location: 42565 Avenida Alvarado, Temecula, CA 92590 and 1301 Case Road, Perris, CA 92570.

**CURRENT STATUS:** **Planning**

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Fall 2025

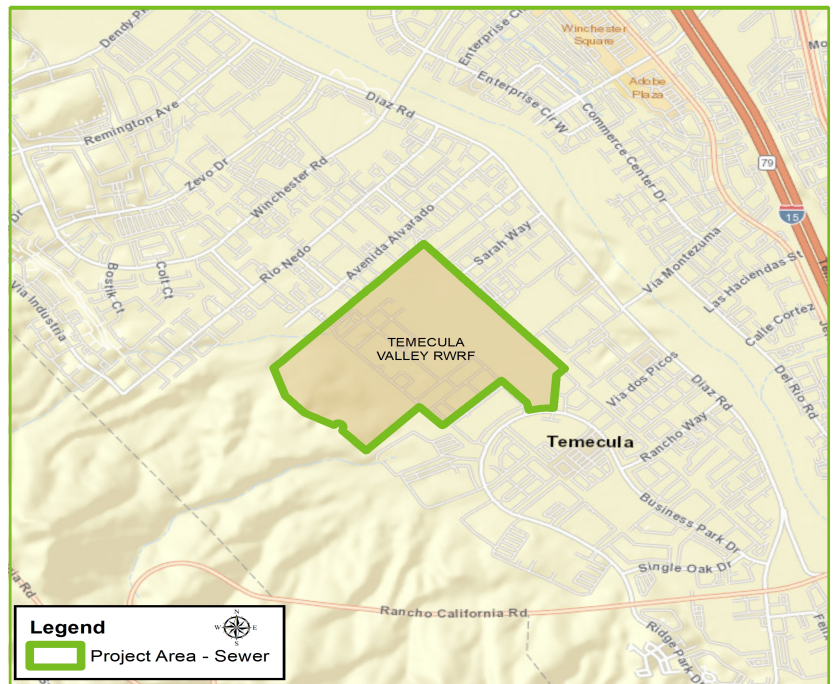
## PROJECT BUDGET

- Estimated Total Project Budget: \$14,912,000
- Estimated Construction Budget: \$12,337,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD protects public health through cost-effective projects and programs to manage biosolids, achieve long-term disposal independence through environmentally sustainable reuse, and the development of recycled water supplies.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Roxanne Rountree  
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountrr@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R

# Recycled Water Distribution Study

## PROJECT SUMMARY

This effort will refine the service zones for conditioning new development, refine secondary distribution pipelines, develop a funding plan, and recommend policy revisions.

## CURRENT STATUS:

**Planning**

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: N/A
- Finish: N/A

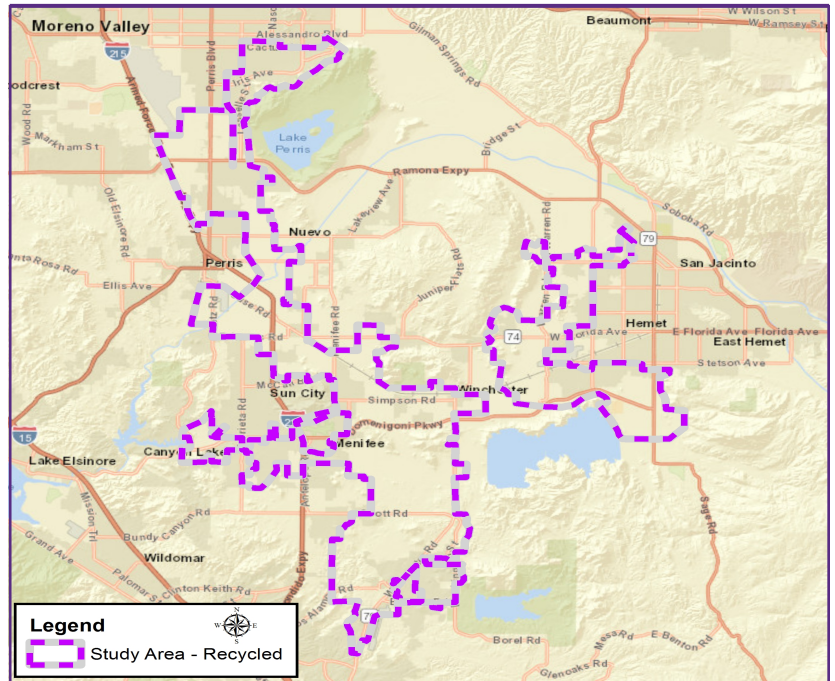
## PROJECT BUDGET

- Estimated Total Project Budget: \$200,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD's recycled water conveyance system is designed to provide reliability and redundancy in delivering high-quality recycled water in a cost-effective manner to help reduce reliance on drinking water supplies for irrigation and industrial purposes.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Roxanne Rountree  
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountrr@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R

# Emergency Fuel Storage Facilities

## PROJECT SUMMARY

This project will construct emergency fuel storage and dispensing systems at eight locations throughout the District service area in order to have a minimum of five days of fuel reserves to operate during the initial days of an emergency event.

## CURRENT STATUS:

**Bid / Construction**

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2021/2022
- Finish: Winter 2022/2023

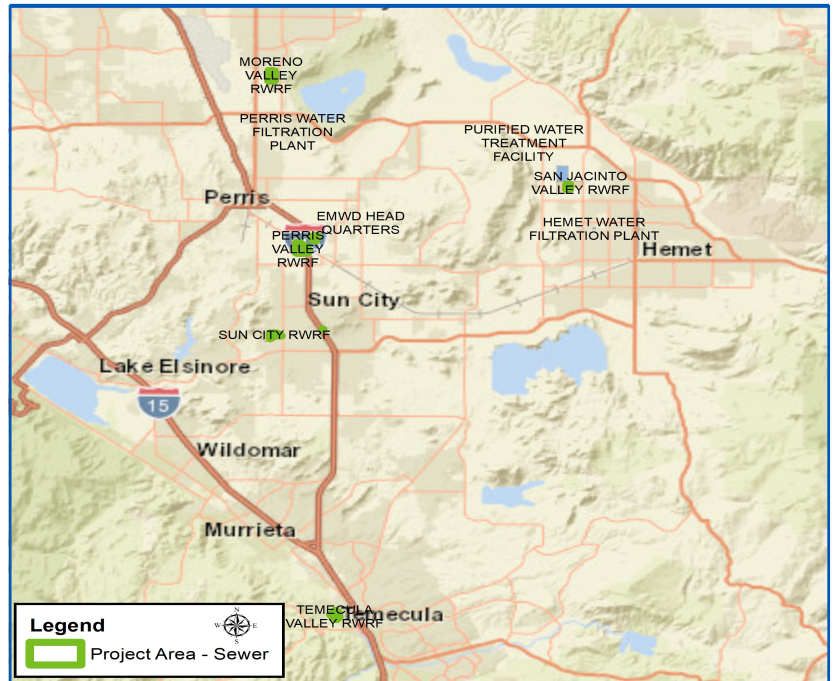
## PROJECT BUDGET

- Estimated Total Project Budget: \$4,417,000
- Estimated Construction Budget: \$4,097,000
- Estimated Grant Percentage: N/A

## PROJECT BENEFIT

EMWD's mission is to deliver value to our customers and the communities we serve by providing safe, reliable, economical and environmentally sustainable water, wastewater and recycled water services.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Kevin Pearson  
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: [pearsonk@emwd.org](mailto:pearsonk@emwd.org)
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R

# Solar Renewable Energy Initiative Phase III

## PROJECT SUMMARY

This project advances the next phase of solar power generation opportunities at the District through Southern California Edison's Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT) and/or Net Energy Metering (NEM) 2.0 programs. Project locations are targeted for the Sun City, Perris, Moreno, San Jacinto, and San Jacinto Regional Water Reclamation Facility North sites.

## CURRENT STATUS:

**Bid / Construction**

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2019
- Finish: Fall 2022

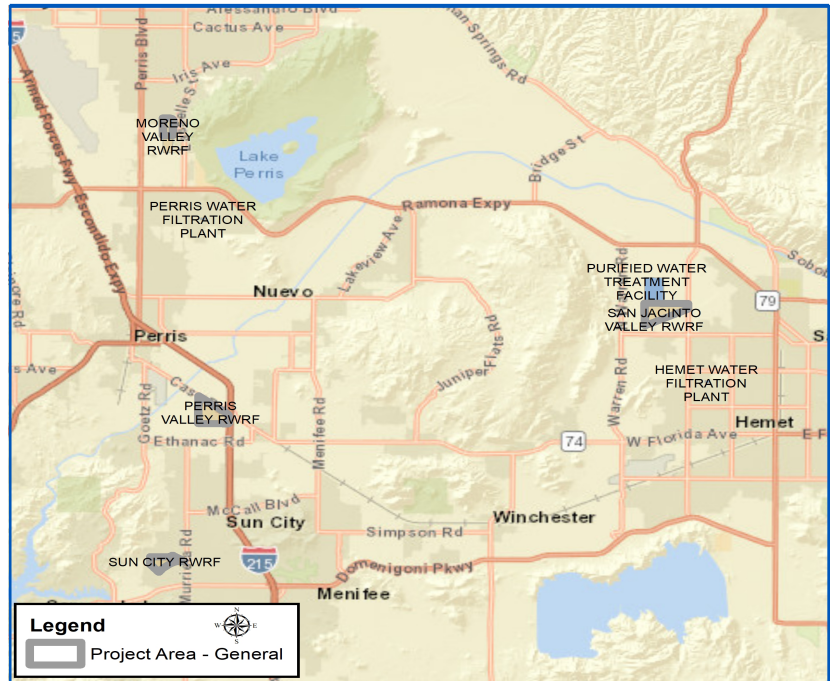
## PROJECT BUDGET

- Estimated Total Project Budget: \$3,032,000
- Estimated Construction Budget: \$1,906,000
- Estimated Grant Percentage: 94%

## PROJECT BENEFIT

EMWD's mission is to deliver value to our customers and the communities we serve by providing safe, reliable, economical and environmentally sustainable water, wastewater and recycled water services.

## PROJECT LOCATION



## MORE INFORMATION

- CONTACT: Roxanne Rountree  
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountrer@emwd.org
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