

# CAPITAL IMPROVEMENT PROGRAM QUARTERLY REPORT



*EMWD completed an expansion of its solar facilities in 2022.*

## REGIONAL PROJECTS



*The following projects involve construction that takes place within two or more divisions in EMWD's service area.*



# 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

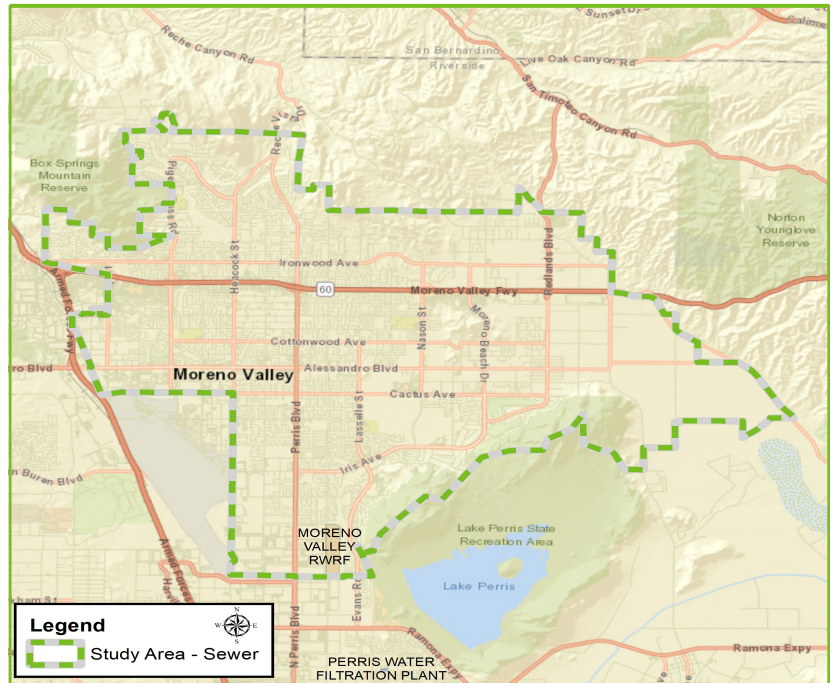
### PROJECT BUDGET

- 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
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- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R



# Regional Water Reclamation Facilities Aeration Basins Rehabilitation and Diffuser Replacement

## PROJECT SUMMARY

This project will replace the existing Parkson aeration diffusers panels at all four active Regional Water Reclamation Facilities. The existing diffusers have reached the end of their useful life and Parkson is no longer supporting the product configuration currently installed at the District facilities nor supplying replacement parts for the existing panel diffusers. Project Location: PVRWRF, SJVRWRF, TVRWRF

## CURRENT STATUS:

Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2024
- Finish: Fall 2026

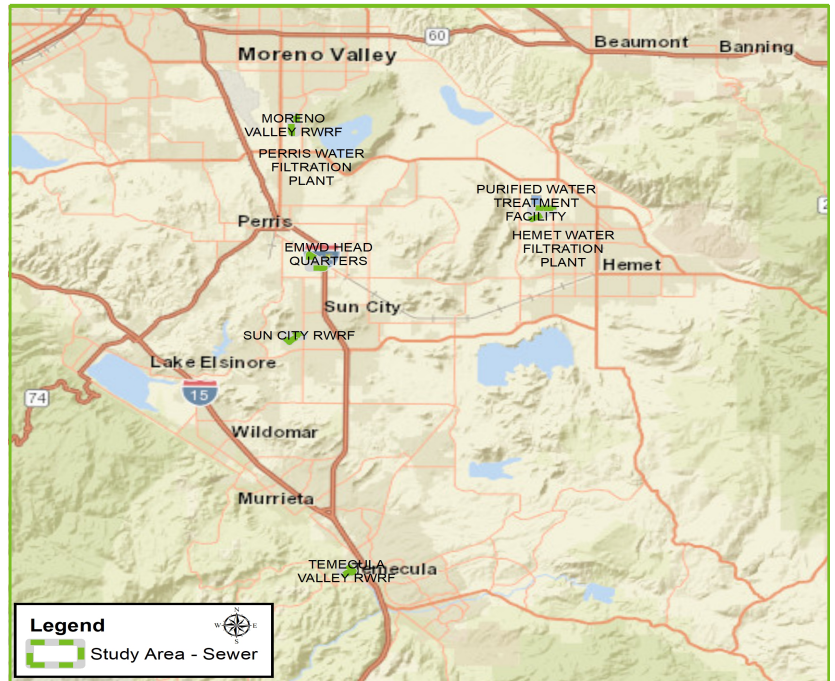
## PROJECT BUDGET

- Estimated Total Project Budget: \$15,036,000
- Estimated Construction Budget: \$12,000,000
- 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: Alma Ramirez  
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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

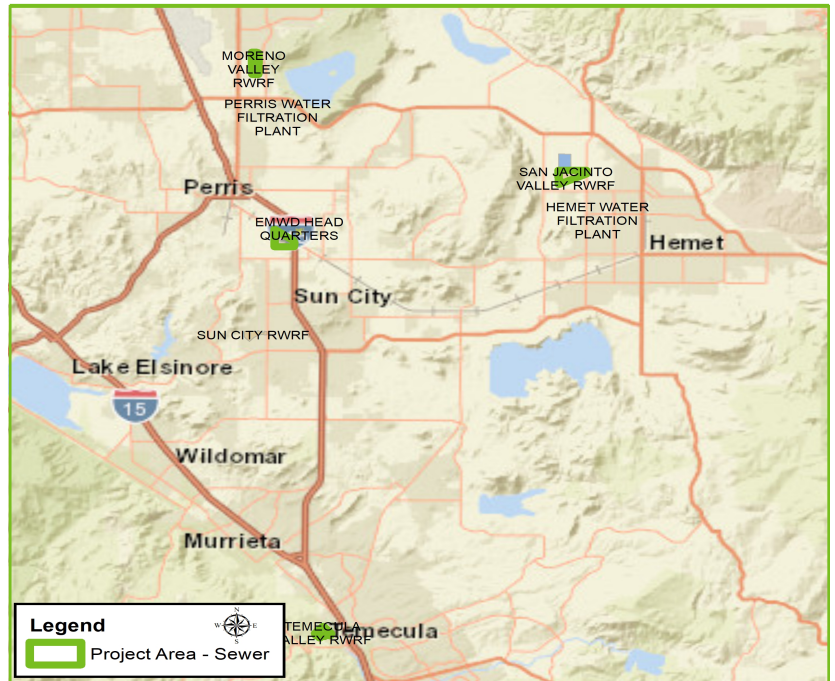
## PROJECT BUDGET

- 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  
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- 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
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- EMAIL: rountrr@emwd.org
- EMWD BOARD MEMBER:  
Director Regional  
Division No. R

# Regional Water Reclamation Facilities Rehabilitation Planning Study

## PROJECT SUMMARY

Staff will be conducting an assessment at all four active Regional Water Reclamation Facilities. The assessment will involve both a visual assessment of equipment and structure conditions as well as an assessment of plant operations. The visual condition assessment will focus on the deficiencies of the existing equipment and needed improvements to maintain reliability in the future. The operational assessment will gather insight from multiple operations and maintenance staff about issues that may not be captured through a visual assessment.

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

## ESTIMATED CONSTRUCTION SCHEDULE

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

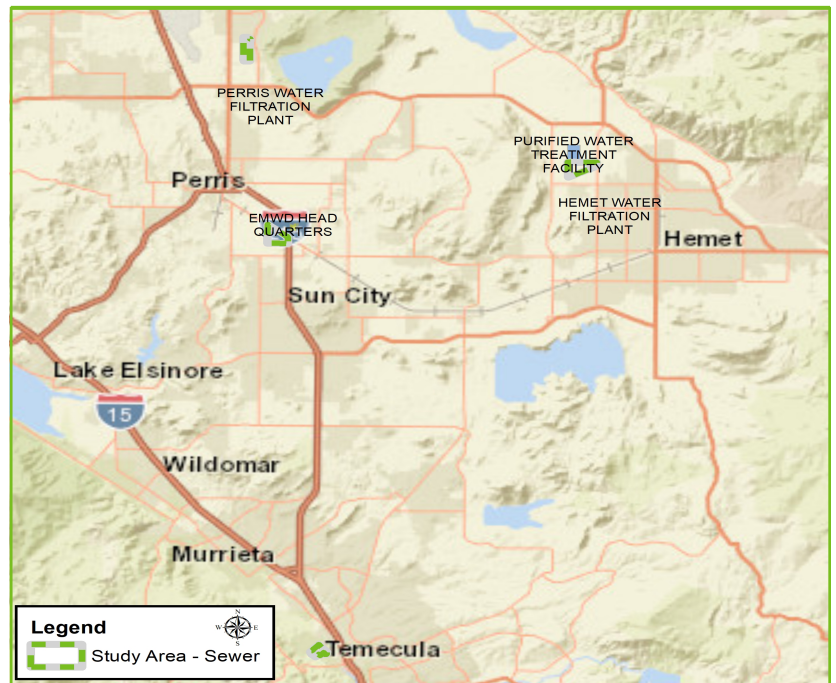
## PROJECT BUDGET

- Estimated Total Project Budget: \$927,000
- 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:
- PHONE: 951-928-3777 ext.
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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: Fall 2024
- Finish: Winter 2025/2026

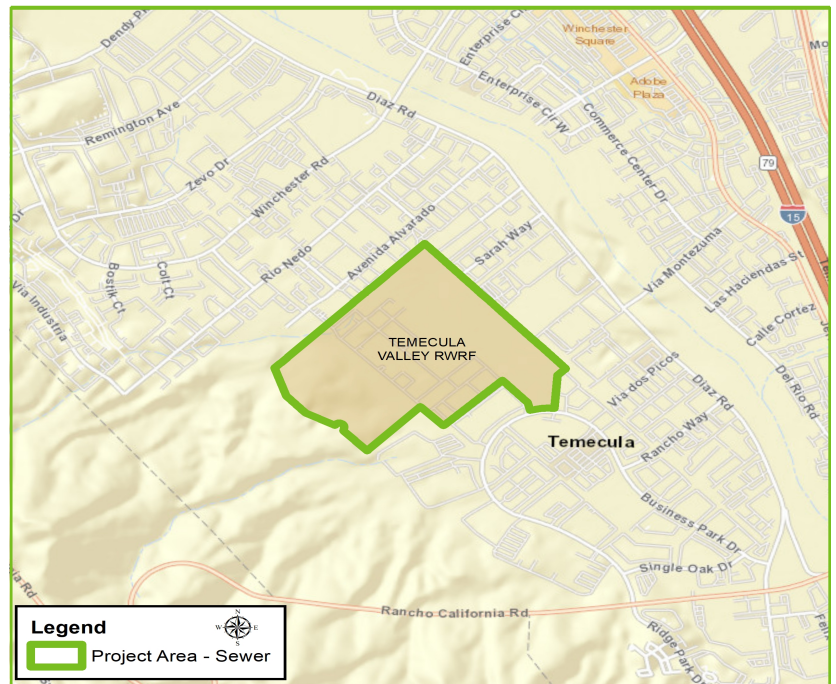
## PROJECT BUDGET

- Estimated Total Project Budget: \$15,391,000
- Estimated Construction Budget: \$12,816,000
- 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

# Wastewater Collection System Condition Assessment

## PROJECT SUMMARY

Project consists of a GIS study to develop risk and consequences criteria to evaluate districtwide wastewater collection system, and identifying areas of concerns for field inspection to develop rehabilitation and replacement recommendations for the planning of short-term, mid-term, and long-term Capital Improvement Program. Project Location: Wastewater collection system - Districtwide.

## CURRENT STATUS:

Planning

## ESTIMATED CONSTRUCTION SCHEDULE

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

## PROJECT BUDGET

- Estimated Total Project Budget: \$508,000
- 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: 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 Facilities Master Plan Update

## PROJECT SUMMARY

This project is intended to provide the District with an updated list and schedule of long and short-term infrastructure projects. The project includes the following objectives: update to the hydraulic model incorporating AMI meter data and changes to demand patterns and projected wastewater flows and demands. Compile and assess opportunities for system optimization; recommend and prioritize solutions; and lay out a road map to achieve the District-defined vision for the RW system. Provide an updated project list and roadmap addressing short term system needs while facilitating future Recycled Water Strategic updates pursuant to regional water supply studies currently underway.

### CURRENT STATUS:

**Planning**

### ESTIMATED CONSTRUCTION SCHEDULE

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

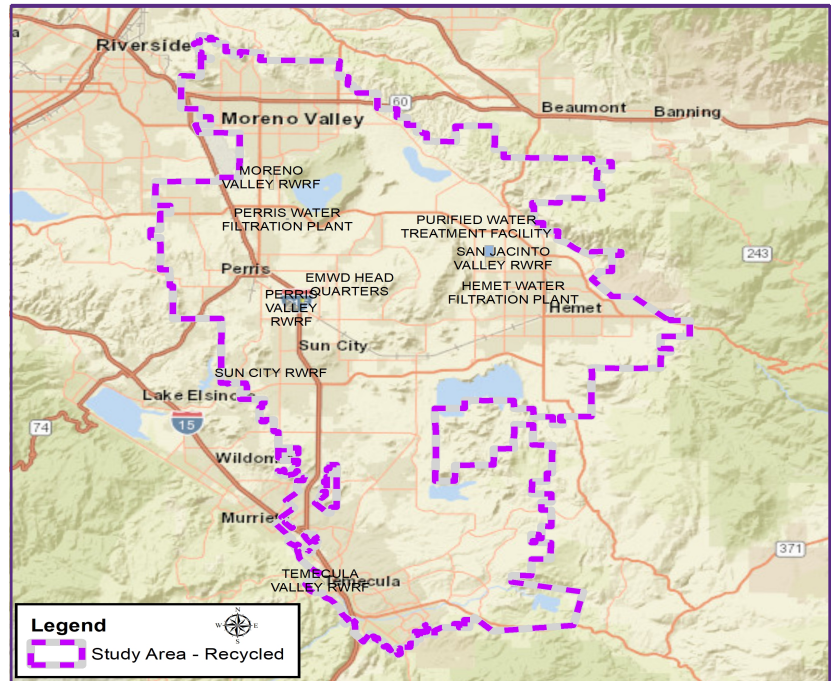
### PROJECT BUDGET

- Estimated Total Project Budget: \$320,000
- 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  
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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

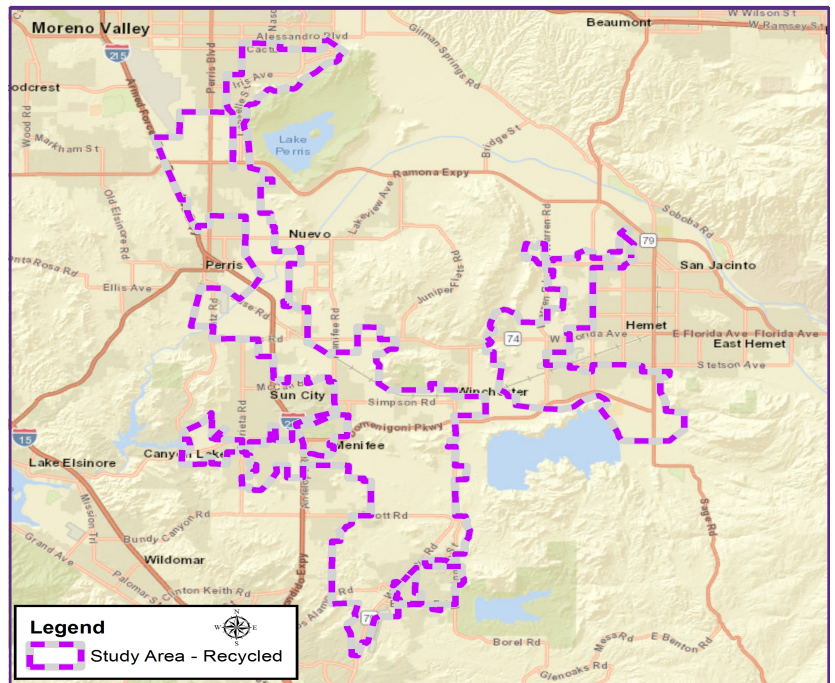
### PROJECT BUDGET

- 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  
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- PHONE: 951-928-3777 ext. 4391
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- EMWD BOARD MEMBER:  
Director Regional  
Division No. R

# Communication Towers Install

## PROJECT SUMMARY

The proposed project will construct three communication towers at Mission II Tank Site, Rancho Glen Oaks Tank Site, and Moreno Valley Regional Water Reclamation Facility. Project Location: Mission II Tank 41225 Polly Butte Rd, Hemet, CA 92544; Rancho Glen Oaks Tank Site 39987 Esplendida Way, Temecula, CA 92592; MVRWRF 17140 Kitching, Moreno Valley, CA 92551.

## CURRENT STATUS:

Design

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Summer 2025

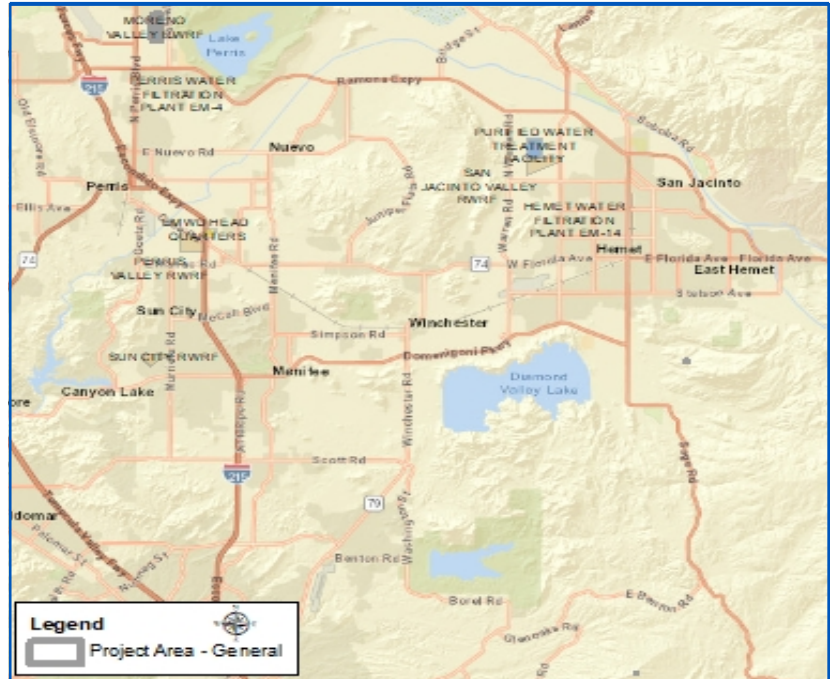
## PROJECT BUDGET

- Estimated Total Project Budget: \$1,260,000
- Estimated Construction Budget: \$984,000
- 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
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- EMAIL: pearsonk@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: Spring 2023

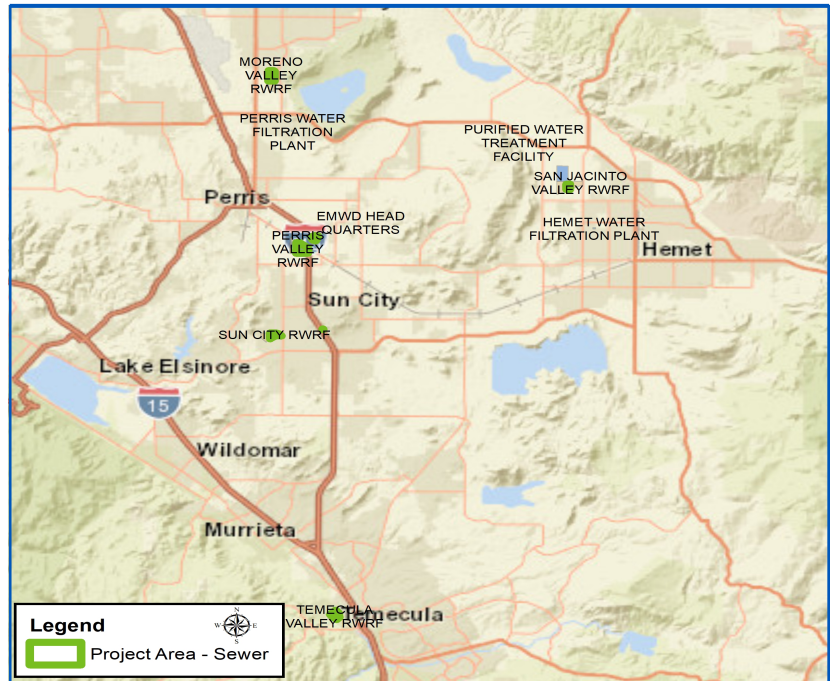
## PROJECT BUDGET

- Estimated Total Project Budget: \$4,417,000
- Estimated Construction Budget: \$4,103,000
- 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  
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- 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 Valley, San Jacinto, and San Jacinto Regional Water Reclamation Facility North sites.

## CURRENT STATUS:

**Bid / Construction**

## ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2019
- Finish: Spring 2023

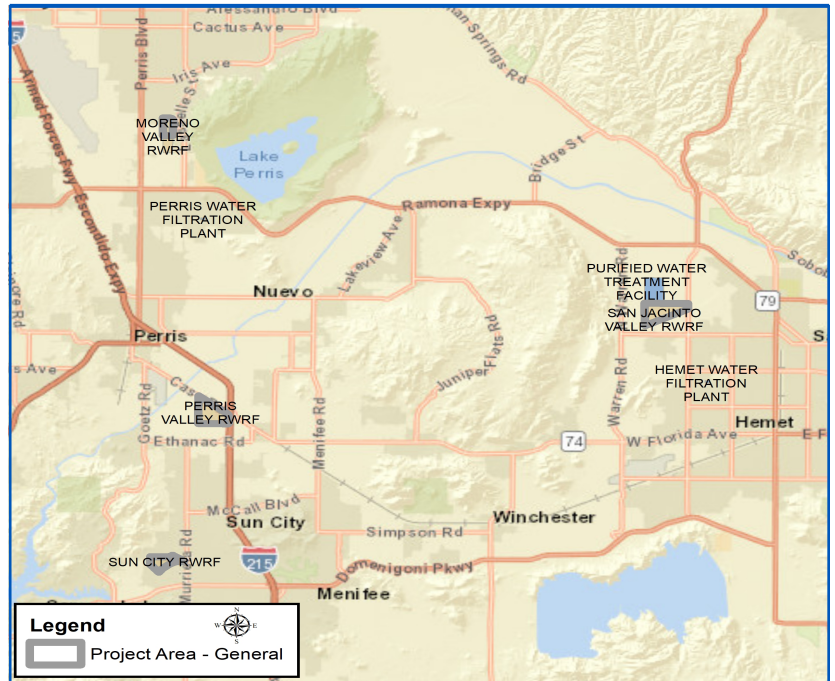
## PROJECT BUDGET

- 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  
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