



Eastern Municipal Water District Capital Improvement Program Quarterly Report

FY 2018/2019 - Quarter 3

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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Capital Improvement Program Quarterly Report

Division 3

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Capital Improvement Program Quarterly Report

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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 555-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 highlights of completed projects from the past quarter as well as an overview of current active projects.



Temecula Valley Regional Water Reclamation Facility

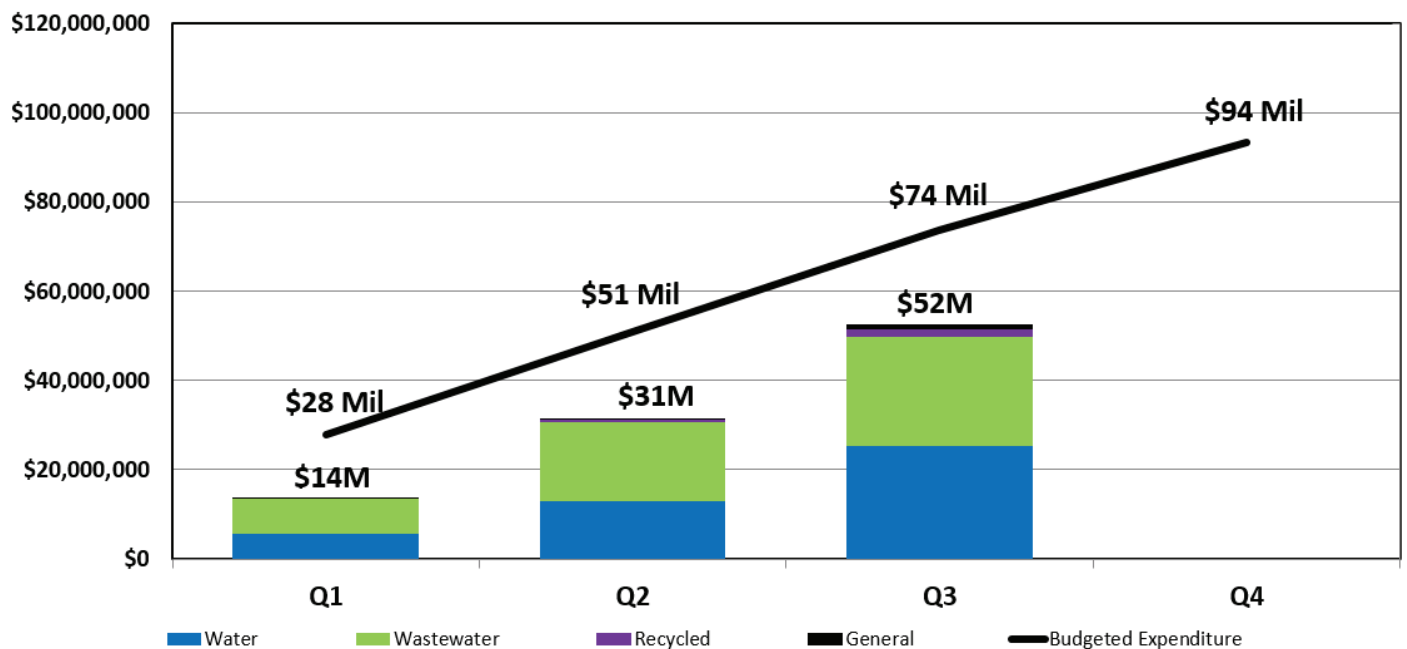
Construction Projects Completed

FY 2018 / 2019 – Quarter 3

Project Name	Completed	Total Project Cost	Area
French Valley Recycled Water Distribution Pipeline Expansion - Phase I	July 2018	\$1,024,000	Winchester
Perris Water Filtration Plant Membrane Replacement - Phase I and II	July 2018	\$7,559,000	Perris
Reach 4 Air Valve Retrofits	August 2018	\$205,000	Menifee
Redlands and Hemlock Booster Pumping Station	August 2018	\$5,795,000	Moreno Valley
Daily Road Drainage and Hydro Booster Station	September 2018	\$1,228,000	Menifee
Las Palmas Pipeline	September 2018	\$413,000	Perris
Case Road Sewer	November 2018	\$1,259,000	Perris
Goetz Road Lift Station Abandonment	November 2018	\$283,000	Quail Valley
Sanderson Lift Station Pump Electrification	November 2018	\$681,000	San Jacinto
Audie Murphy Road Sewage Lift Station	January 2019	\$3,256,000	Menifee
Motte Tank Interior Recoating	January 2019	\$383,000	Perris
Hemet Water Filtration Plant Membrane Replacement	March 2019	\$2,964,000	Hemet
Post Road Hydropneumatic Booster Station	March 2019	\$3,502,000	Mead Valley

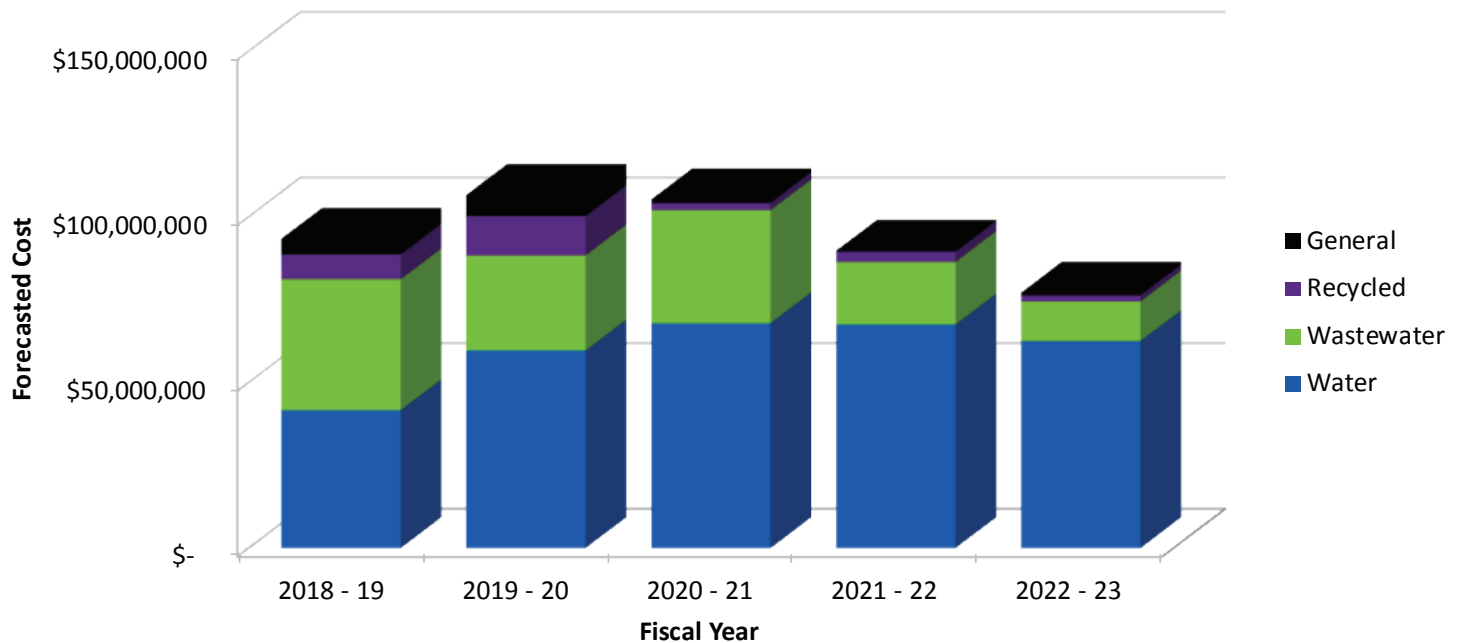
Capital Improvement Program Performance

Actual Cost to Budgeted Cost FY 2018 / 2019

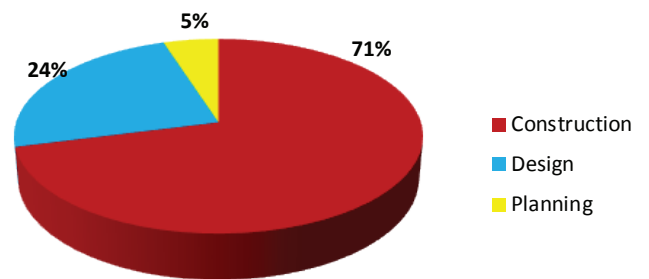
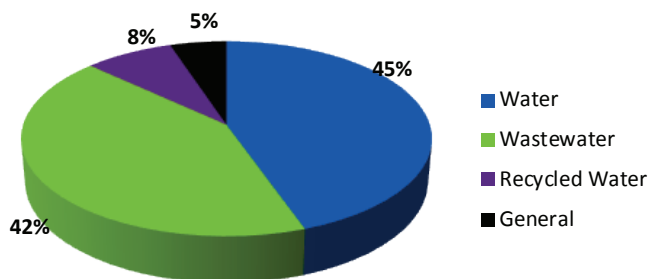


Capital Improvement Program Summary

2018 – 2023 Overview



FY 2018 / 2019 Overview

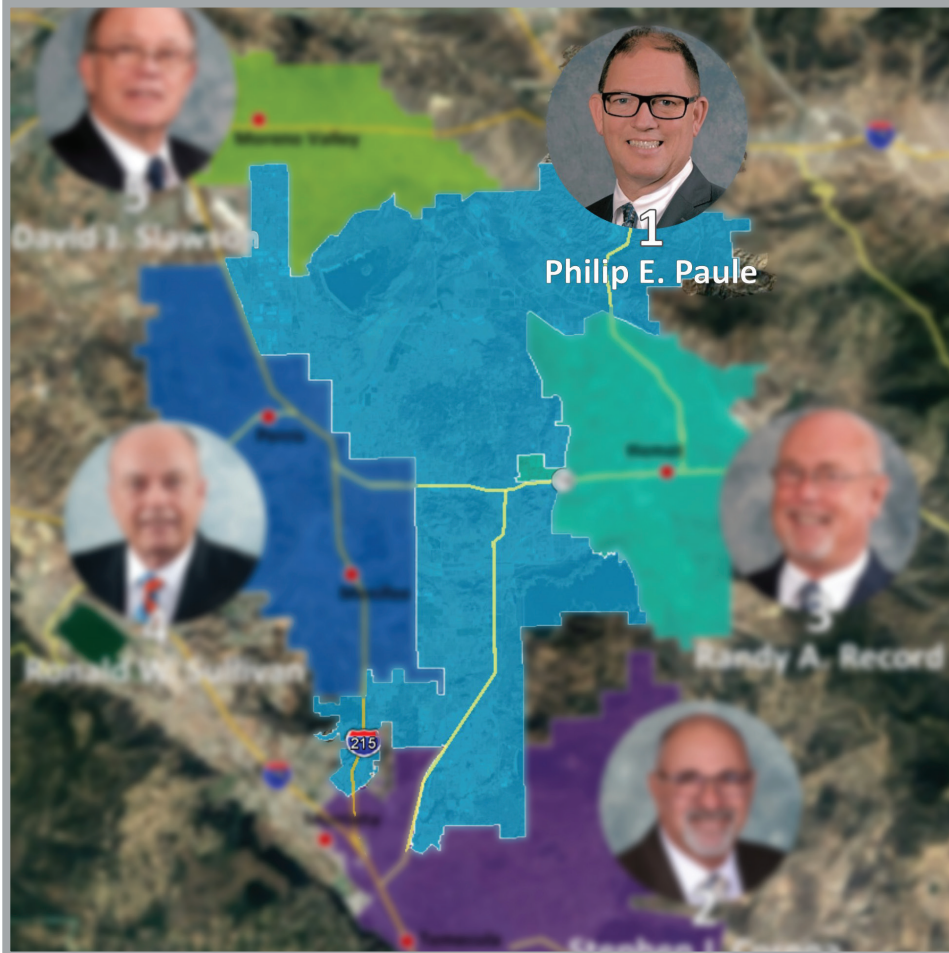


PROJECT TYPE	COUNT	2018 – 19 (\$ Million)
WATER	63	\$41.6 M
WASTEWATER	40	\$39.5 M
RECYCLED	13	\$7.5 M
GENERAL	3	\$4.8 M
TOTAL	119	\$93.4 M

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EMWD Board Director Philip E. Paule

Division 1: The northern portion of the City of Murrieta, the southwest portion of the City of Moreno Valley, the northern portion of the City of Perris and the unincorporated areas of French Valley, Winchester, Domenigoni, Diamond Valley, Homeland, Juniper Flats, Nuevo, Lakeview, Gilman Hot Springs, and Green Acres.



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Cactus II Feeder - Phase I

PROJECT SUMMARY

The Cactus II Feeder consists of approximately 2 miles of 42-in to 30-in diameter pipe extending from the eastern terminus of the Cactus I Feeder at Heacock St and Cactus Ave, east along Alessandro Blvd, then south to the intersection of Cactus Ave and Moreno Beach Dr in the City of Moreno Valley. The program also includes 4 turnouts between phases, and will involve the Letterman Booster Pumping Station (MVPW-500d), the Pettit Pressure Zone Conversion (MVPW-500b and MVPW-118), and the Pettit Tank Expansion Project (MVPW-200). Phase 1 consists of approximately 8,100-ft of 42-in pipe along Cactus Ave between Heacock St and Indian St, along Indian St between Cactus Ave and Alessandro Blvd, along Alessandro Blvd between Indian St and Perris Blvd. Also, this phase includes construction of 2 turnouts, turnout number 1 and 2. This phase is master plan project MVPW-500a.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Winter 2022/2023

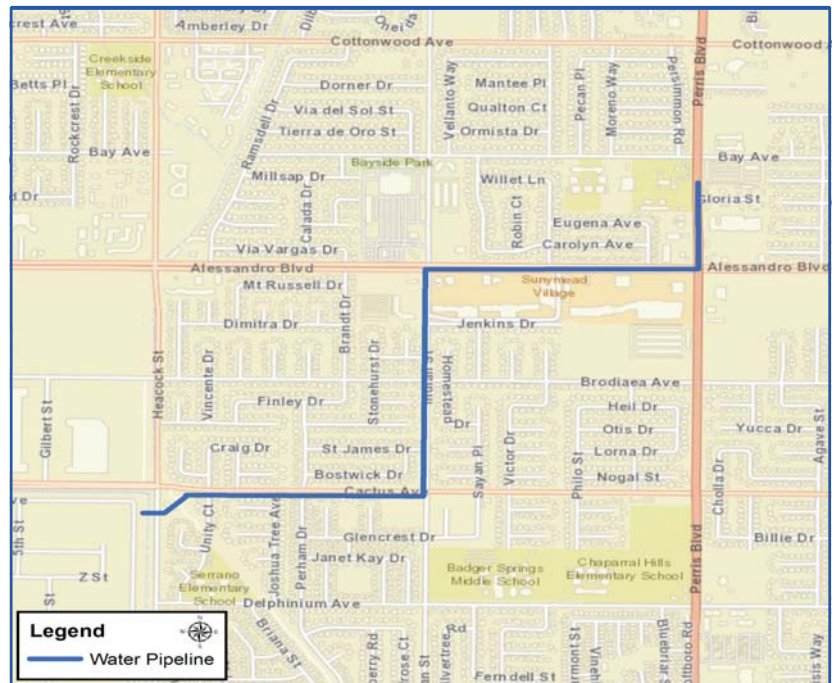
PROJECT BUDGET

- Estimated Total Project Budget: \$15,526,000
- Estimated Construction Budget: \$10,800,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

East / Central 1627 PZ Storage Evaluation

PROJECT SUMMARY

This project will conduct a siting study for available tank sites in the east central area of the 1627 Pressure Zone. The master plan recommended an additional 30 MG of storage in this area. This project will evaluate and identify viable sites for storage in the study area. The location is East/Central 1627 Pressure Zone.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

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

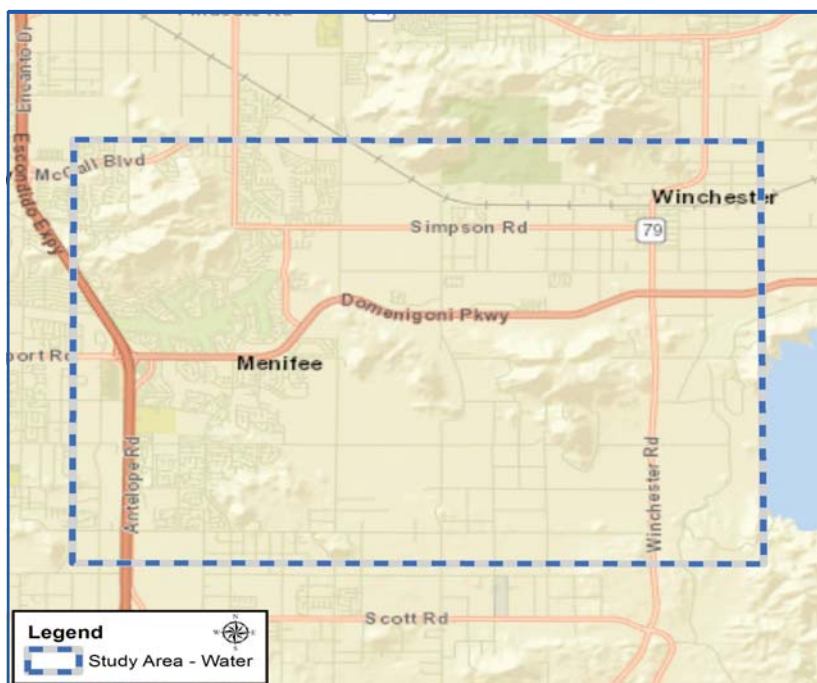
PROJECT BUDGET

- Estimated Total Project Budget: \$127,000
- Estimated Construction Budget: N/A
- 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: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Laura Barraza
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

EM-11 Pipeline and Booster Station Alignment Study

PROJECT SUMMARY

The project is located between Lake Skinner and east Menifee near the Simpson Road corridor. The Study will recommend the preferred pipeline alignment and location for a booster station that can pump north to the Perris Valley. Additionally, the project will require a new connection to the MWD potable Water System near Lake Skinner. The connection is currently identified as EM-11 (EMWD / MWD).

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

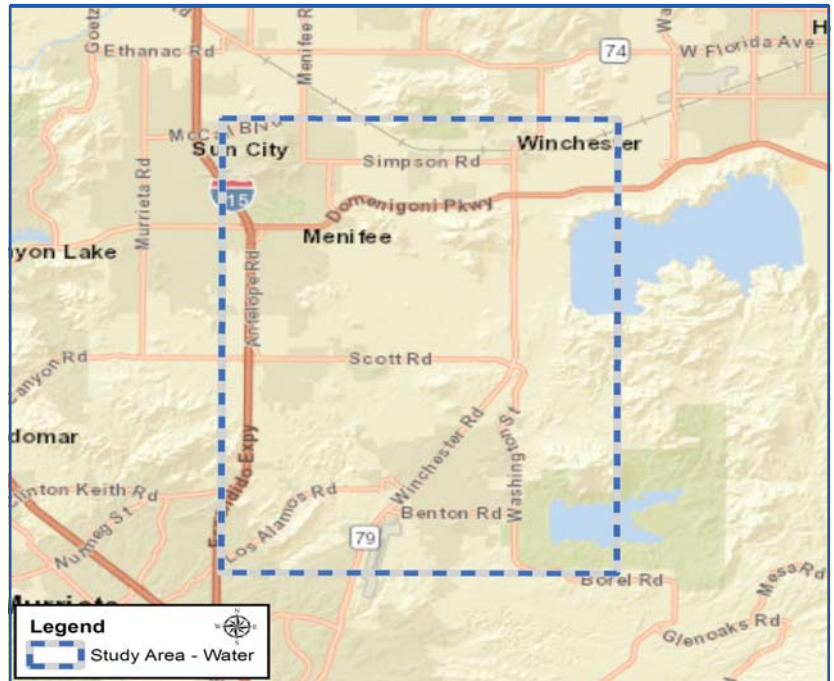
PROJECT BUDGET

- Estimated Total Project Budget: \$1,058,000
- Estimated Construction Budget: N/A
- 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

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Laura Barraza
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Las Brisas Transmission Pipeline

PROJECT SUMMARY

The project involves construction of approximately 2,700 linear feet of 24-inch diameter pipeline. The pipeline will commence about 200 feet north of Sunrose Road and Las Brisas Road. It will then continue along Las Brisas Road to Hancock Avenue. It will further continue along Hancock Avenue between Las Brisas Road and Los Alamos Road in the Hot Springs area of the City of Murrieta

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2020/2021

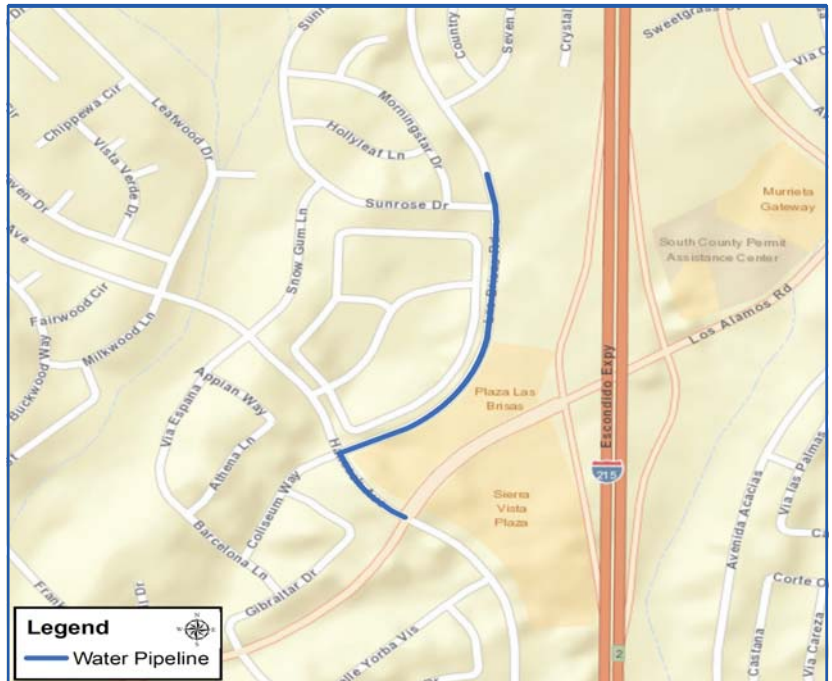
PROJECT BUDGET

- Estimated Total Project Budget: \$1,724,000
- Estimated Construction Budget: \$1,414,000
- 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

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Pat Road Booster Station Optimization

PROJECT SUMMARY

Optimization of pumps to facilitate operational flexibility including replacement of pumps and emission control systems as required, at Pat Road Booster located at 30940 Pat Road in French Valley.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Winter 2021/2022

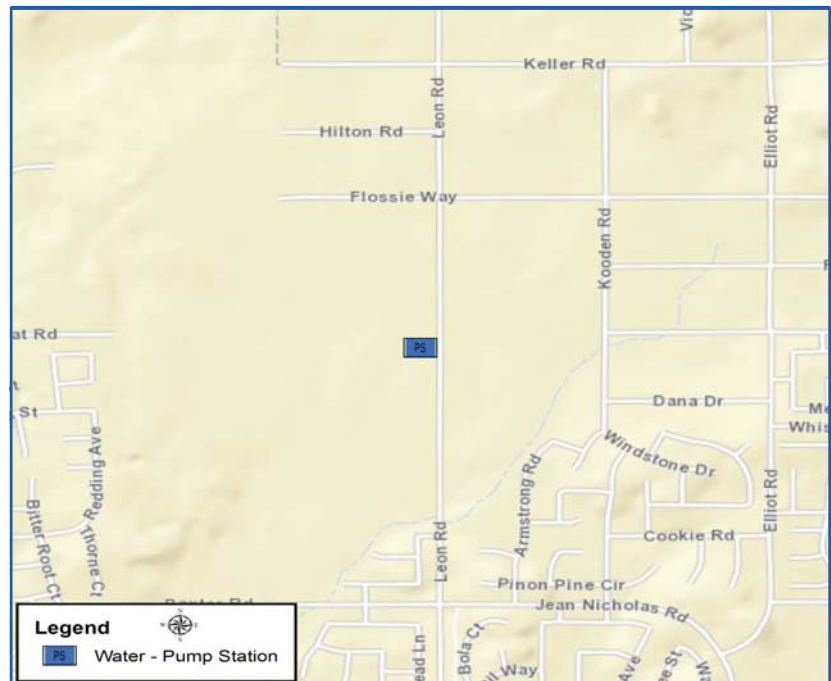
PROJECT BUDGET

- Estimated Total Project Budget: \$5,933,000
- Estimated Construction Budget: \$4,747,000
- 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

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Perris Water Filtration Plant Reject Recovery Facility Fine Screen Installation

PROJECT SUMMARY

This project involves the addition of a settling channel to the Perris Water Filtration Plant (PWFP) Reject Recovery Facility (RRF) in order to protect the membrane elements against damage from abrasive particles. Located 1975 Old Evans Road, Perris, CA 92570.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Summer 2020

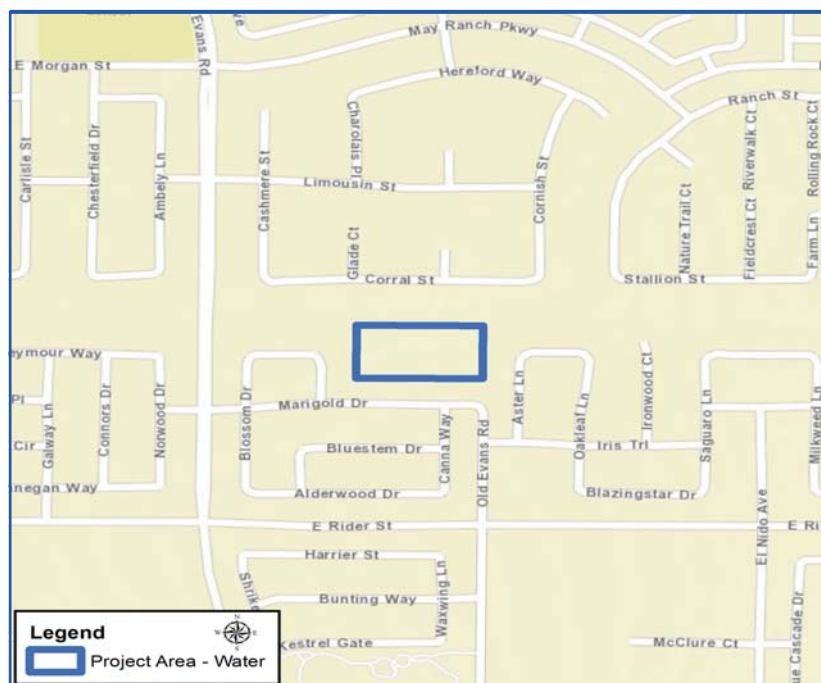
PROJECT BUDGET

- Estimated Total Project Budget: \$881,000
- Estimated Construction Budget: \$680,000
- 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

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Santiago Well Site - Exploratory Drilling

PROJECT SUMMARY

This effort includes exploratory drilling to determine potential water quantity and quality at the City of Moreno Valley corporate yard located on Santiago St east of Perris Blvd. Results of the drilling will be analyzed to determine next steps.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

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

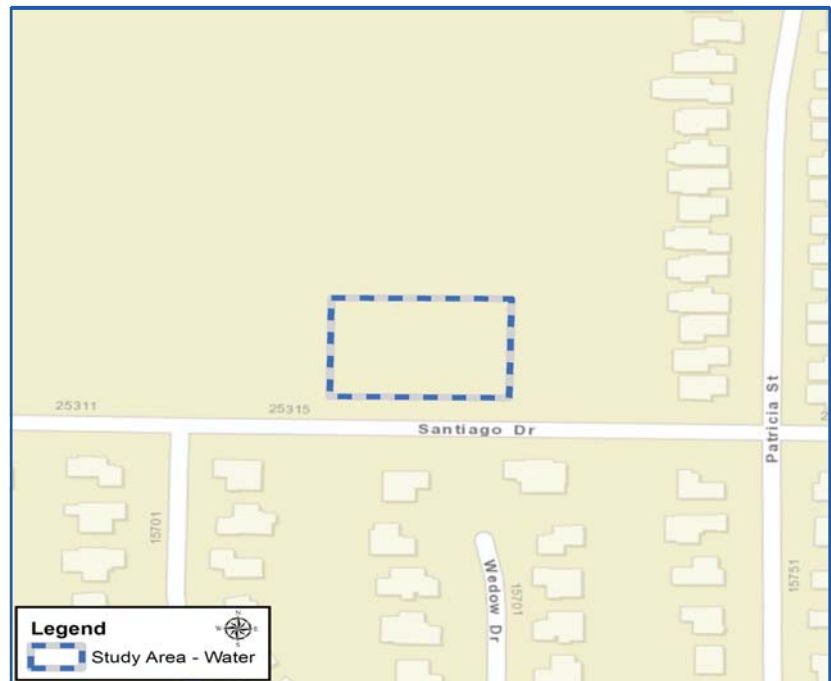
PROJECT BUDGET

- Estimated Total Project Budget: \$672,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: John Daverin
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Well 59 Upgrade

PROJECT SUMMARY

Preliminary design, final design and construction of wellhead treatment facilities for Well 59, located at the intersection of Nance Street and Indian Ave. in Perris CA.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2019
- Finish: Summer 2020

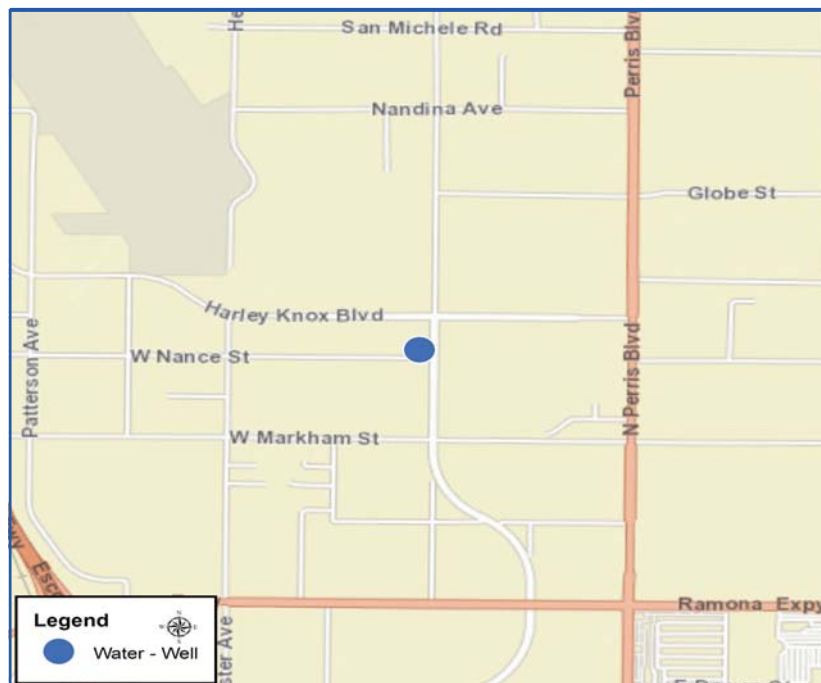
PROJECT BUDGET

- Estimated Total Project Budget: \$3,000,000
- Estimated Construction Budget: \$2,460,000
- Estimated Grant Percentage: 100%

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

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Wells 94, 95, and 96 Drilling

PROJECT SUMMARY

Well Drilling and Equipping for desalter feed (brackish) Well 94, located at 29465 12th St, Nuevo, and Well 95 located at 13th St. and Reservoir Ave., and Well 96 located at Santa Rosa Rd and Antelope Road in the community of Nuevo in an unincorporated area of Riverside County. All wells will be constructed by the United States Army Corps of Engineers. The scope was recently modified to include Well 94 Pipeline (Change Order).

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2015
- Finish: Summer 2019

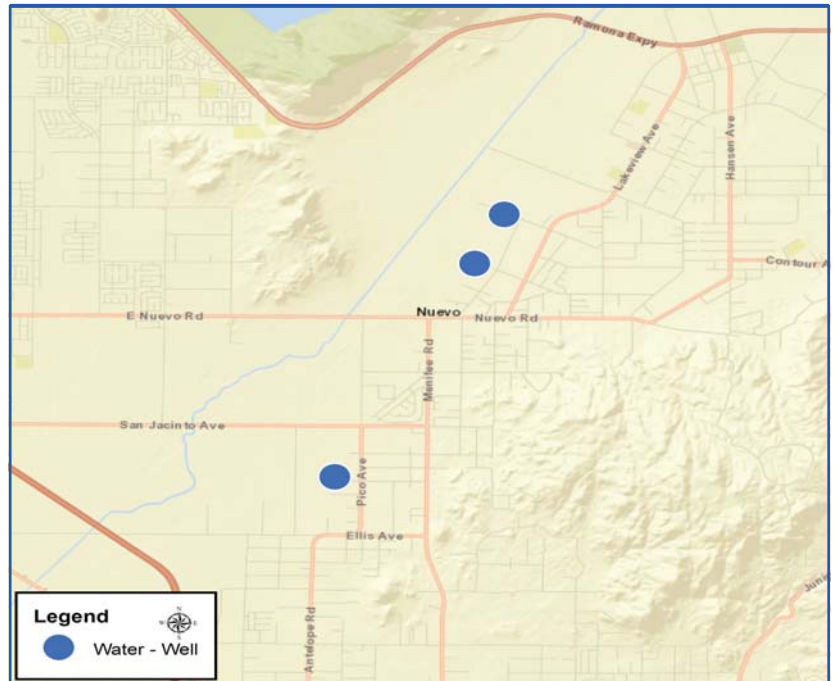
PROJECT BUDGET

- Estimated Total Project Budget: \$18,606,000
- Estimated Construction Budget: \$16,212,000
- Estimated Grant Percentage: 80%

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Sky Canyon Wastewater Pipeline

PROJECT SUMMARY

The Sky Canyon Sewer Project will install approximately 6,670 linear feet of 36-inch diameter sewer pipeline along or next to Winchester Road in Murrieta, Ca. The pipeline route is planned to extend from Hunter Road to Murrieta Hot Springs Road.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2020/2021
- Finish: Summer 2023

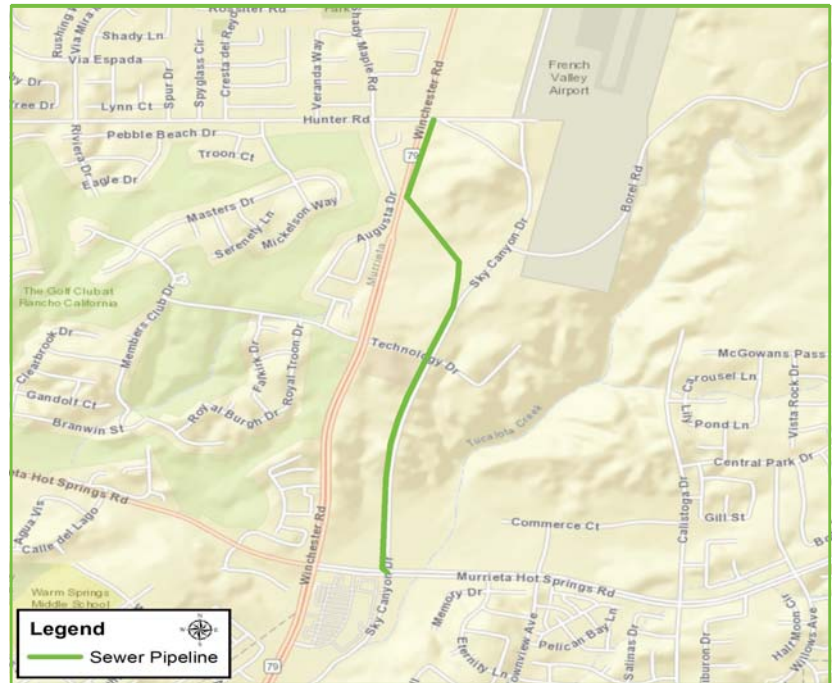
PROJECT BUDGET

- Estimated Total Project Budget: \$17,698,000
- Estimated Construction Budget: \$15,551,000
- 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: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountreer@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Winchester Lift Station Upgrade

PROJECT SUMMARY

Project will evaluate odor control alternatives for the Winchester Lift Station located on La Ventana Rd and Olive Avenue in Winchester, CA.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2018/2019
- Finish: Spring 2020

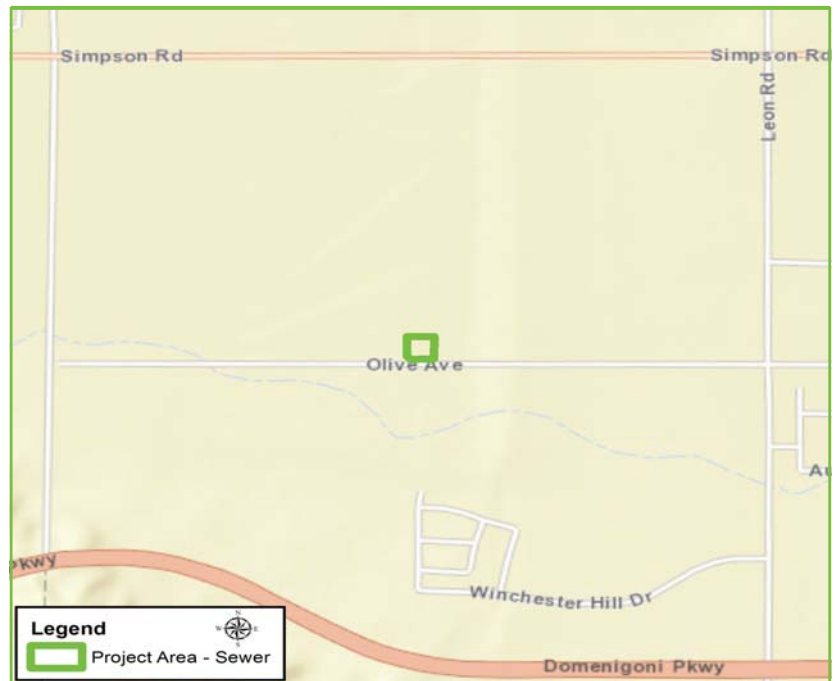
PROJECT BUDGET

- Estimated Total Project Budget: \$2,326,000
- Estimated Construction Budget: \$1,969,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Indian Street Recycled Water Pipeline

PROJECT SUMMARY

The Indian Street Recycled Water 12-inch Pipeline project consists of installing approximately 1,400 linear feet of 12-inch recycled water pipeline along Indian Street between Grove View Road and Nandina Avenue, in the City of Moreno Valley.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2019
- Finish: Fall 2019

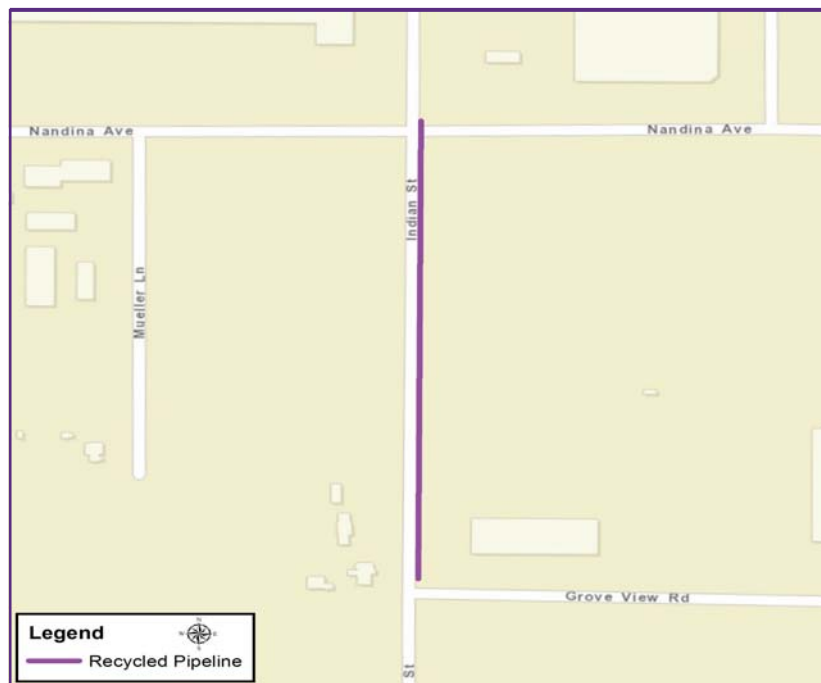
PROJECT BUDGET

- Estimated Total Project Budget: \$407,000
- Estimated Construction Budget: \$352,000
- 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: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Armando Arroyo
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Recycled Water Transmission Main Reach 2 Cathodic Protection

PROJECT SUMMARY

Restoration of cathodic protection system starting at Bridge St along Ramona Expwy, San Jacinto and ending west at San Jacinto Ave in Perris. The pipeline consists of approx. 9.5 miles of 24-inch, 30-inch and 36-inch of CML&W pipes.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Summer 2019

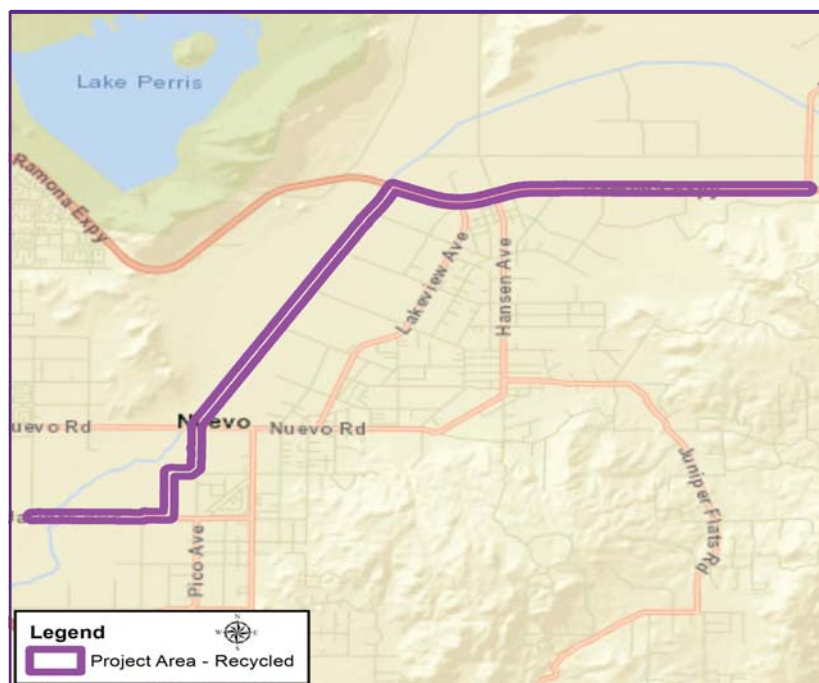
PROJECT BUDGET

- Estimated Total Project Budget: \$928,000
- Estimated Construction Budget: \$806,000
- 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

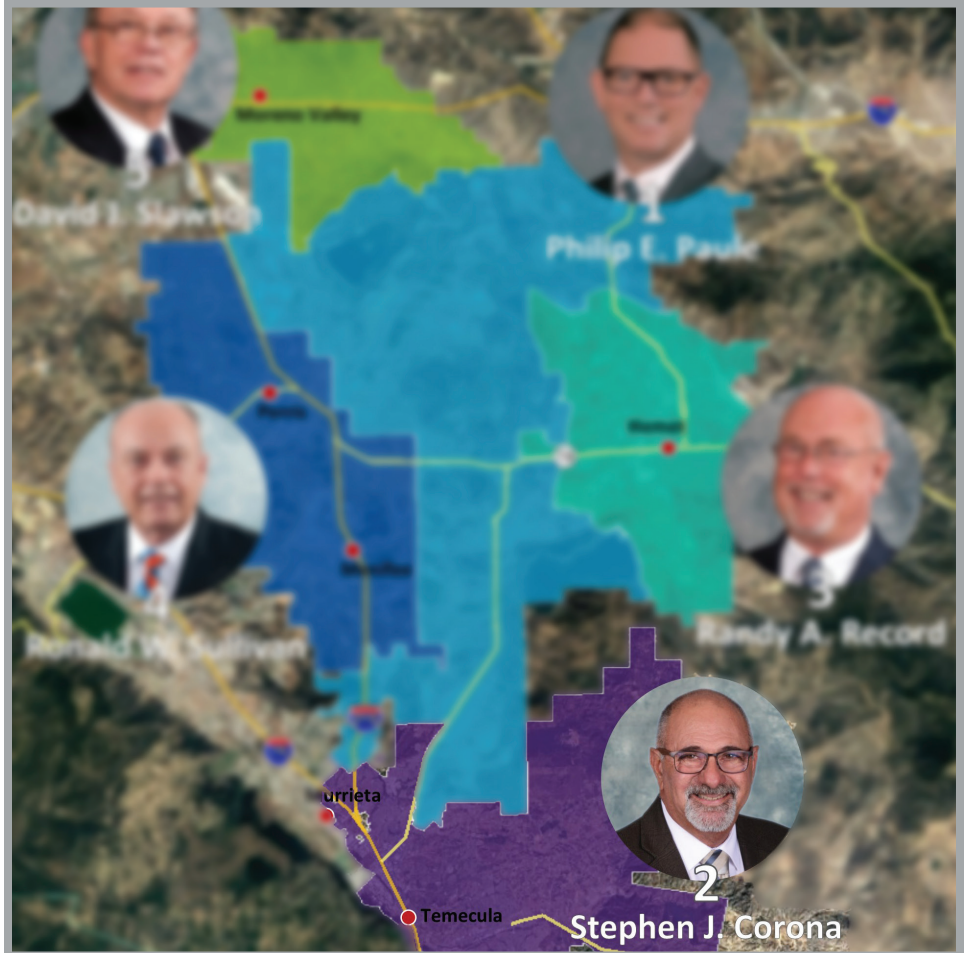
- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

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EMWD Board Director

Stephen J. Corona

Division 2: The City of Temecula, the southern and eastern portions of the City of Murrieta and Wine Country.



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Hunter Tank Interior Recoating

PROJECT SUMMARY

Project location is 29050 Hunter Rd Murrieta

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2019
- Finish: Winter 2019/2020

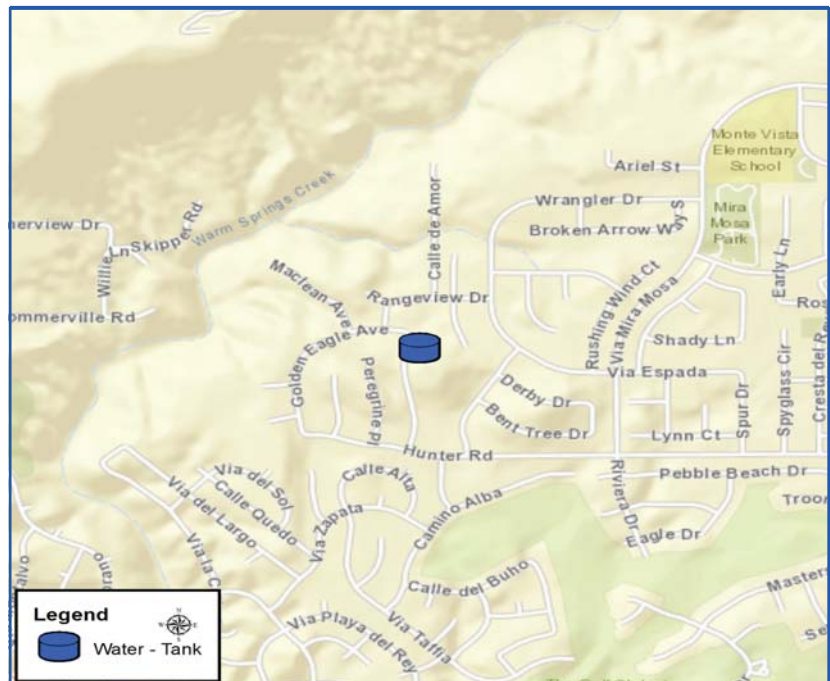
PROJECT BUDGET

- Estimated Total Project Budget: \$837,000
- Estimated Construction Budget: \$761,000
- 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: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Diaz Lift Station Replacement

PROJECT SUMMARY

This project consists of 655 LF of 33-inch gravity sewer from the existing Diaz Lift Station to the proposed lift station. The new lift station will be approximately 700 ft north of the existing Diaz LS along the west bank of the Murrieta Creek at the intersection of Diaz Rd and Rancho Way. The wet well will be approx. 46' ft deep and the lift station will convey an ultimate wet weather peak (WWP) flow of 12 MGD. In addition, approx. 925 lf of existing 8-inch gravity sewer along Diaz Rd will be replaced with a 15-inch gravity sewer and connected to the new lift station.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Summer 2023

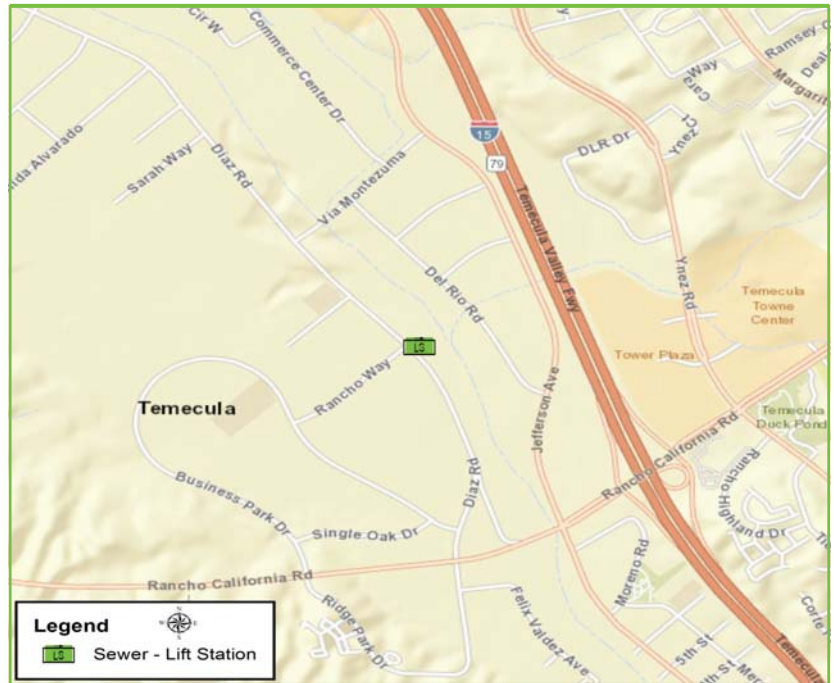
PROJECT BUDGET

- Estimated Total Project Budget: \$17,760,000
- Estimated Construction Budget: \$13,518,000
- 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: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Pala Lift Station Electrical Upgrade

PROJECT SUMMARY

Located at the existing Pala Sewer Lift Station in south Temecula, this project will replace electrical equipment that is damaged by hydrogen sulfide and is approaching the end of its useful life.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2019
- Finish: Winter 2020/2021

PROJECT BUDGET

- Estimated Total Project Budget: \$2,500,000
- Estimated Construction Budget: \$2,200,000
- 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: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Pala Lift Station Force Main - Phase I

PROJECT SUMMARY

Construction of a 24-inch diameter force main in Temecula. The pipeline runs northwest from 1st Street southwest of Pujol Street, north along Vincent Moraga Dr and Diaz Road, to the Diaz Lift Station 1/4 mile north of Rancho California Road.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Fall 2019

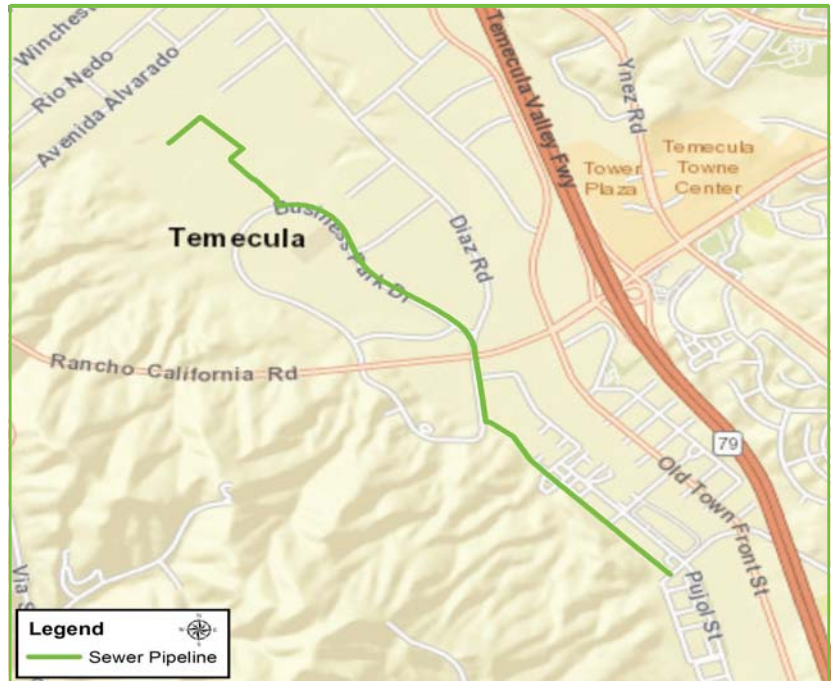
PROJECT BUDGET

- Estimated Total Project Budget: \$4,726,000
- Estimated Construction Budget: \$3,936,000
- 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: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Temecula Valley Regional Water Reclamation Facility Expansion

PROJECT SUMMARY

Located at the Temecula Valley Regional Water Reclamation Facility, this project will provide 5 MGD additional total capacity by constructing Plant 3 including new primary, secondary, tertiary, solids handling, and effluent pumping facilities / storage.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2015/2016
- Finish: Summer 2019

PROJECT BUDGET

- Estimated Total Project Budget: \$94,935,000
- Estimated Construction Budget: \$88,500,000
- Estimated Grant Percentage: 27%

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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Temecula Valley Regional Water Reclamation Facility Optimization

PROJECT SUMMARY

Centrate storage and equalization system at the Temecula Valley Regional Water Reclamation Facility.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2017
- Finish: Summer 2019

PROJECT BUDGET

- Estimated Total Project Budget: \$1,642,000
- Estimated Construction Budget: \$1,574,000
- 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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Temecula Valley Regional Water Reclamation Facility Digester Gas Beneficial Use

PROJECT SUMMARY

The TVRWRF Digester Gas Beneficial Use Project will design digester gas line from the DG storage facility to TEPS. As part of this project, as an early delivery item, the design team will prepare a limited bid package for the procurement and installation of an additional natural gas fired hot water boiler to allow sufficient reliable heat to be provided once the Plant 1 blower building IC engines are taken out of service.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2021
- Finish: Summer 2022

PROJECT BUDGET

- Estimated Total Project Budget: \$5,678,000
- Estimated Construction Budget: \$4,830,000
- 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
Senior Public Affairs Officer
- **PHONE:** 951-928-3777 ext. 4391
- **EMAIL:** rountre@emwd.org
- **PROJECT MANAGER:** Erik Jorgensen
- **EMWD BOARD MEMBER:**
Director Stephen J. Corona
Division No. 2

Temecula Valley Regional Water Reclamation Facility Disinfection System Modifications

PROJECT SUMMARY

Construction of a piping system to feed sodium hypochlorite to existing chlorine contact basins 1 through 4 at the Temecula Valley Regional Water Reclamation Facility (TVRWF), 42565 Avenida Alvarado, Temecula CA 92590

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2019
- Finish: Spring 2020

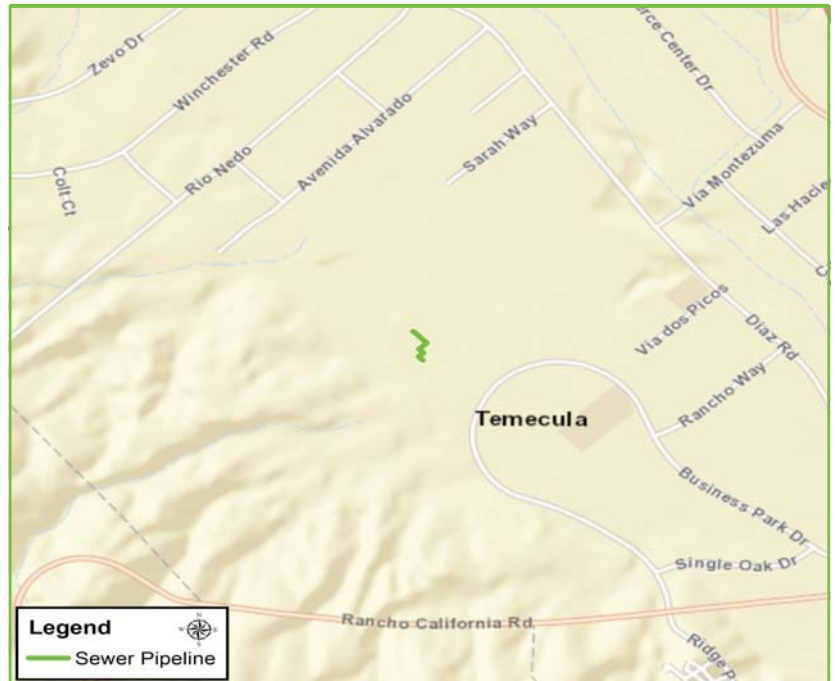
PROJECT BUDGET

- Estimated Total Project Budget: \$250,000
- Estimated Construction Budget: \$229,000
- 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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Temecula Valley Regional Water Reclamation Facility Plant 2 Air Line Replacement

PROJECT SUMMARY

The proposed project will replace approximately 400 feet of corroded pipeline and provide cathodic protection to prevent future corrosion damage. The air lines are below ground at the TVRWRF from the Plant 1 blower building to points of connection on the east and west sides of the Plant 2 aeration basins.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2018/2019
- Finish: Fall 2019

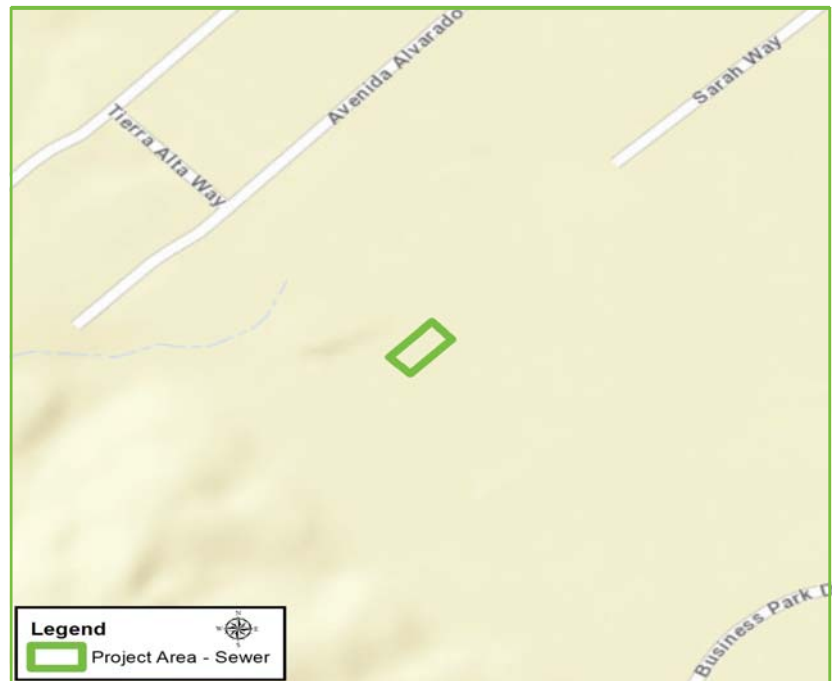
PROJECT BUDGET

- Estimated Total Project Budget: \$2,776,000
- Estimated Construction Budget: \$2,376,000
- 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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Warm Springs Lift Station Electrical Equipment Replacement

PROJECT SUMMARY

Replace the existing corroded electrical equipment including MCC cabinets and components. The proposed electrical equipment will be installed in an outdoor location to reduce exposure to corrosive gasses. The Warm Springs Lift Station is located along Diaz Rd, in the City of Temecula.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2019
- Finish: Summer 2020

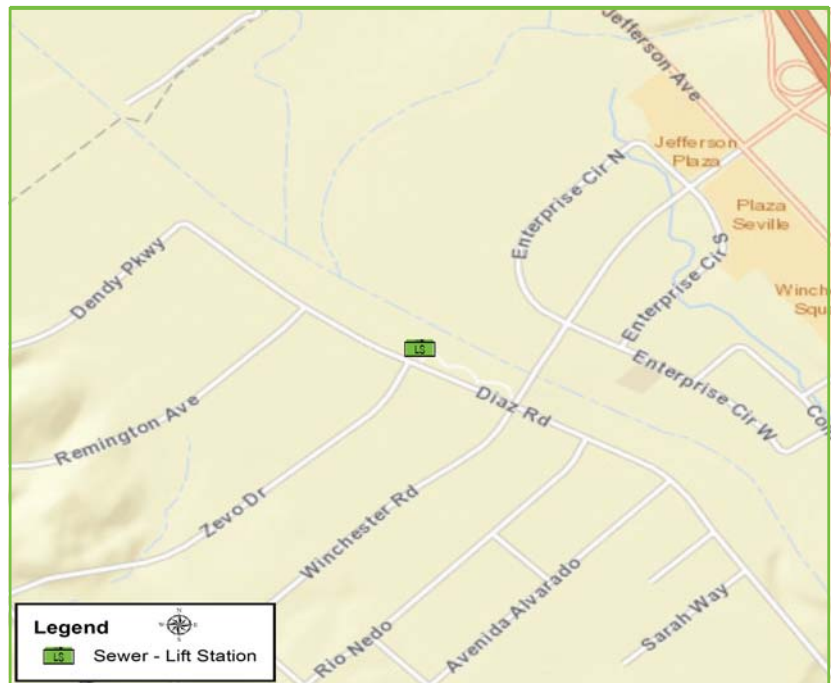
PROJECT BUDGET

- Estimated Total Project Budget: \$2,344,000
- Estimated Construction Budget: \$1,922,000
- 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: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Temecula Valley Recycled Water Pipeline - Phase I

PROJECT SUMMARY

The TVRWRF 23 MGD Expansion project includes expanding the Tertiary Effluent Pump Station Capacity to 34.5 MGD. To operate at this higher flow rate, the District will design and construct 15,400 LF of new/parallel 36-inch effluent pipeline from the TVRWRF Effluent Pump Station to 1,320' past Elm Street in the future alignment of Washington Avenue.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Summer 2020

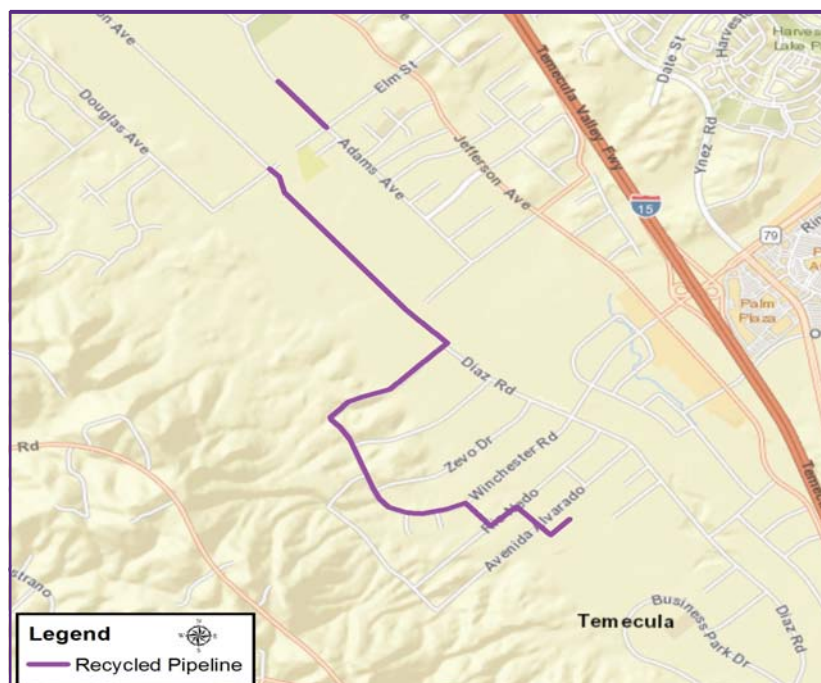
PROJECT BUDGET

- Estimated Total Project Budget: \$13,084,000
- Estimated Construction Budget: \$11,164,000
- Estimated Grant Percentage: 24%

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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

Temecula Valley Recycled Water Pipeline - Phase II

PROJECT SUMMARY

Phase II consists of 1,000 LF of new 24-inch pipeline and utilizing an existing 1,000 LF of RCWD pipeline for the Murrieta Creek Crossing. Located in the City of Murrieta near the Intersection of Elm St and Washington Ave.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2019
- Finish: Spring 2020

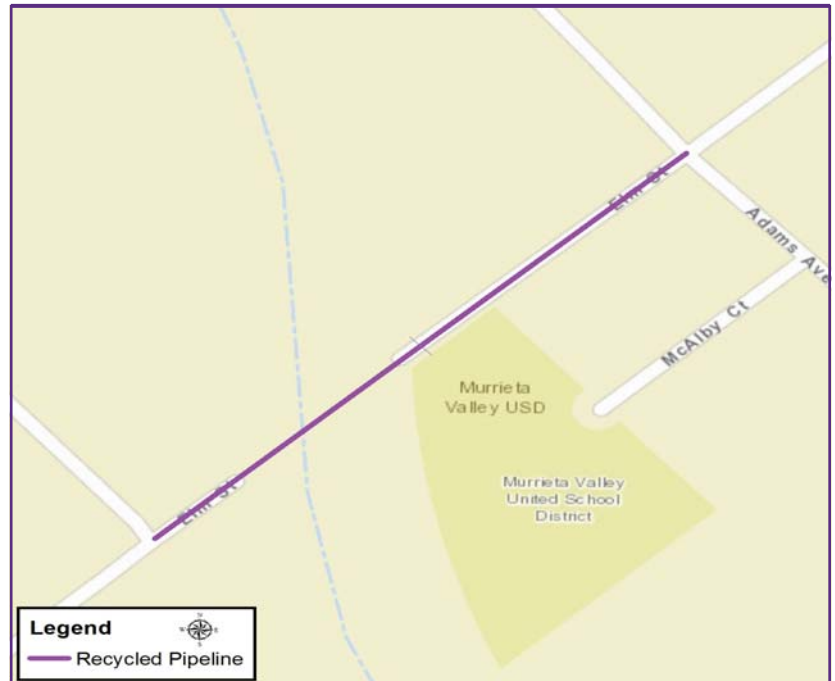
PROJECT BUDGET

- Estimated Total Project Budget: \$660,000
- Estimated Construction Budget: \$550,000
- Estimated Grant Percentage: 24%

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

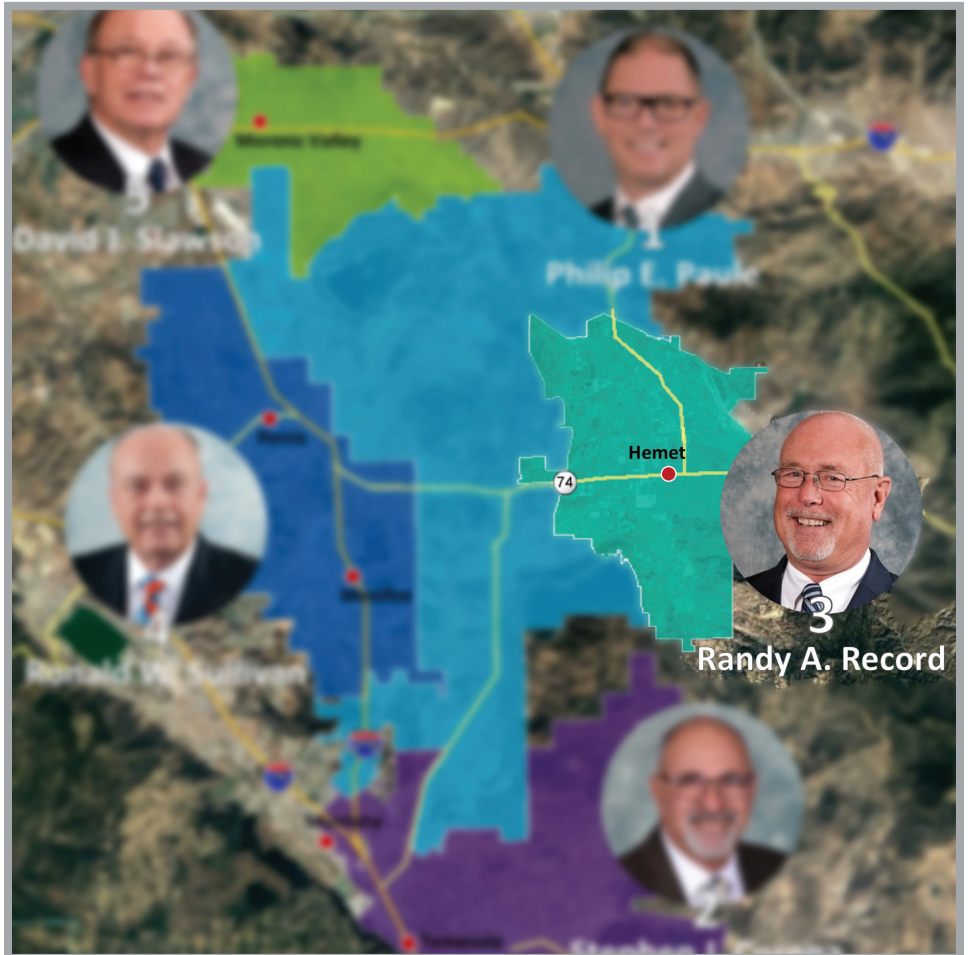


MORE INFORMATION

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Stephen J. Corona
Division No. 2

EMWD Board Director and Metropolitan Water District of Southern California Chairman Randy A. Record

Division 3: Cities of Hemet, San Jacinto, and the unincorporated areas of Valle Vista, Little Valley areas, Cactus Valley, Soboba Hot Springs, and Garner Valley.



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Corwin Booster Electrical Replacement

PROJECT SUMMARY

Replace electrical equipment at Corwin Booster located at 42815 Washington, San Jacinto

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2020/2021

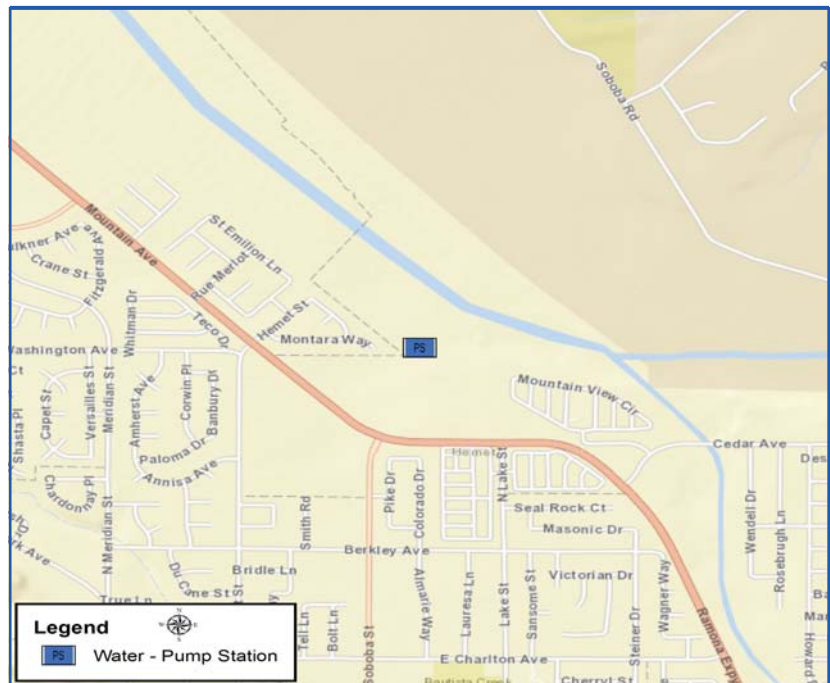
PROJECT BUDGET

- Estimated Total Project Budget: \$1,303,000
- Estimated Construction Budget: \$1,143,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Grant Street Booster Electrical Replacement

PROJECT SUMMARY

Replace electrical equipment at Grant St. Booster located at 44942 Palm Ave., Hemet.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2020/2021

PROJECT BUDGET

- Estimated Total Project Budget: \$1,292,000
- Estimated Construction Budget: \$1,105,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Mountain Avenue West Replenishment Ponds

PROJECT SUMMARY

The project is located on the northwest corner of intersection of Mountain Avenue and Esplanade Avenue in the City of San Jacinto. The project consists of design and construction of the Mountain Avenue West Recharge Facility and supporting infrastructure (pipelines, flow controls, monitoring wells, etc.). This is a project under the SARCCUP.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2019
- Finish: Spring 2021

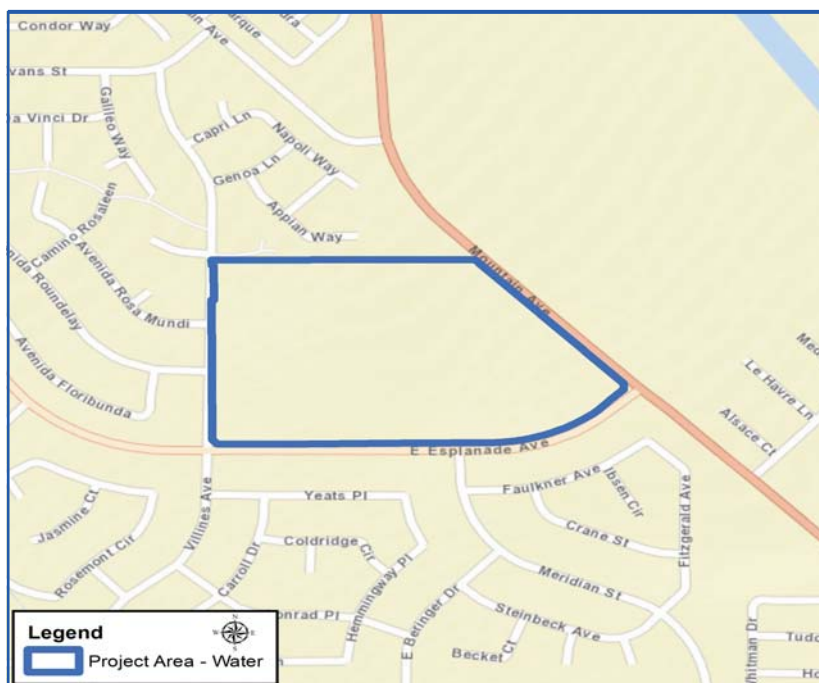
PROJECT BUDGET

- Estimated Total Project Budget: \$19,500,000
- Estimated Construction Budget: \$18,044,000
- Estimated Grant Percentage: 28%

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Purified Water Replenishment Program

PROJECT SUMMARY

The Phase I Study effort will evaluate the blending water strategy, brine disposal alternatives, salt balance considerations, regulatory requirements, facilities needs assessment and constraints analysis, and program costs analysis with a proposed capacity of 5 MGD. If approved, the project will design and construct an advanced water purification facility for treating effluent from the SJVRWRF through membrane filtration RO treatment processes.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2022
- Finish: Winter 2025/2026

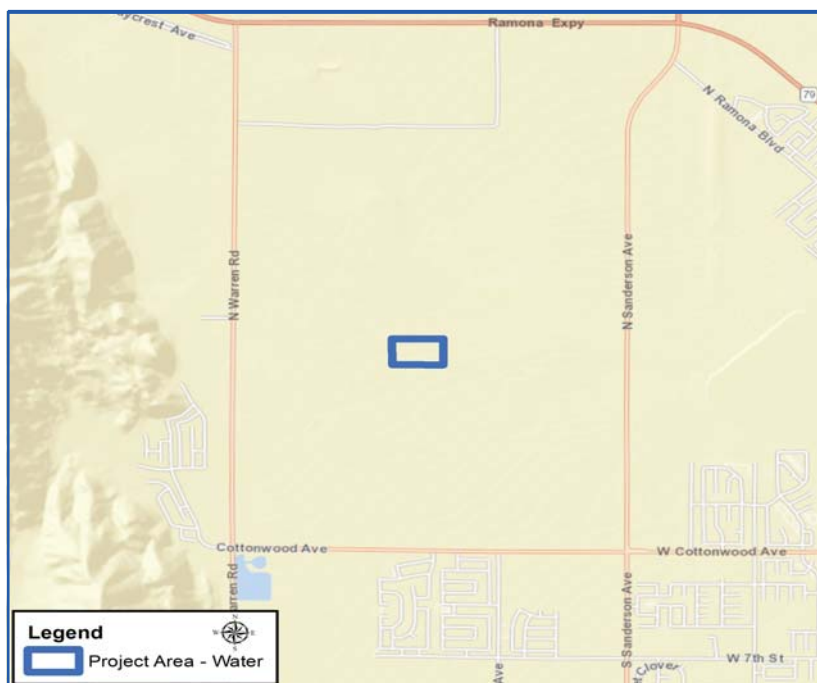
PROJECT BUDGET

- Estimated Total Project Budget: \$63,067,000
- Estimated Construction Budget: \$54,162,000
- Estimated Grant Percentage: 25%

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Purified Water Replenishment Brine Concentration Pilot

PROJECT SUMMARY

The Purified Water Replenishment (PWR) Brine Concentration Pilot Project will test Closed Circuit Reverse Osmosis (CCRO) as the primary reverse osmosis (RO) at the SJVRWRF in support of EMWD's PWR program. This will be the first comprehensive test of CCRO as the primary RO on municipal wastewater.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2019
- Finish: Fall 2020

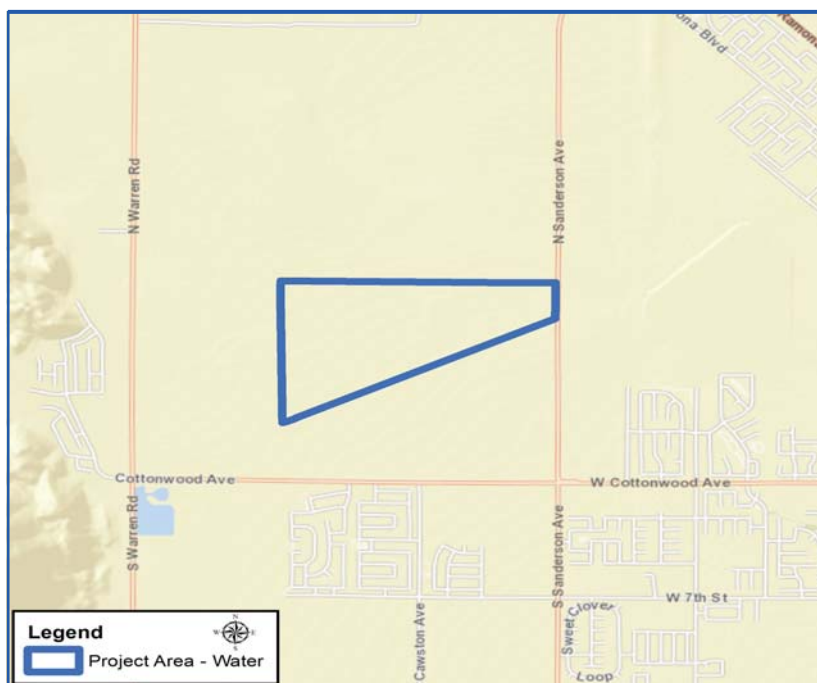
PROJECT BUDGET

- Estimated Total Project Budget: \$1,200,000
- Estimated Construction Budget: \$1,050,000
- Estimated Grant Percentage: 50%

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

San Jacinto Water Supply Pipeline - Phase I

PROJECT SUMMARY

This project consists of construction of a 66-inch Feeder transmission pipeline (approximately 6 miles), a booster pumping station, and a new turnout (EM-25) on Metropolitan Water District's Inland Feeder (Eastside Pipeline – near Esplanade and Warren Road). The first phase pipeline (2.25 miles) will terminate near the Hemet Water Filtration Plant. These facilities will provide additional water supply (100 CFS) to the Hemet Water Filtration Plant and the San Jacinto Valley Recharge and Recovery Program.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Fall 2022

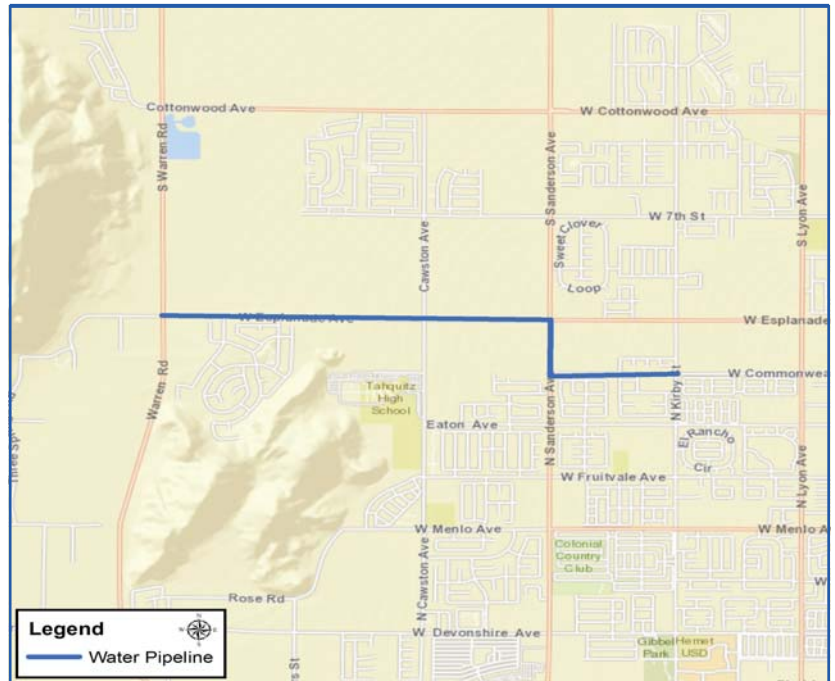
PROJECT BUDGET

- Estimated Total Project Budget: \$24,597,000
- Estimated Construction Budget: \$19,678,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

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 new sites for new potable groundwater wells in the San Jacinto Upper Pressure Zone. The Study Area will focus on the Ramona Expressway corridor along the eastern edge of the District.

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

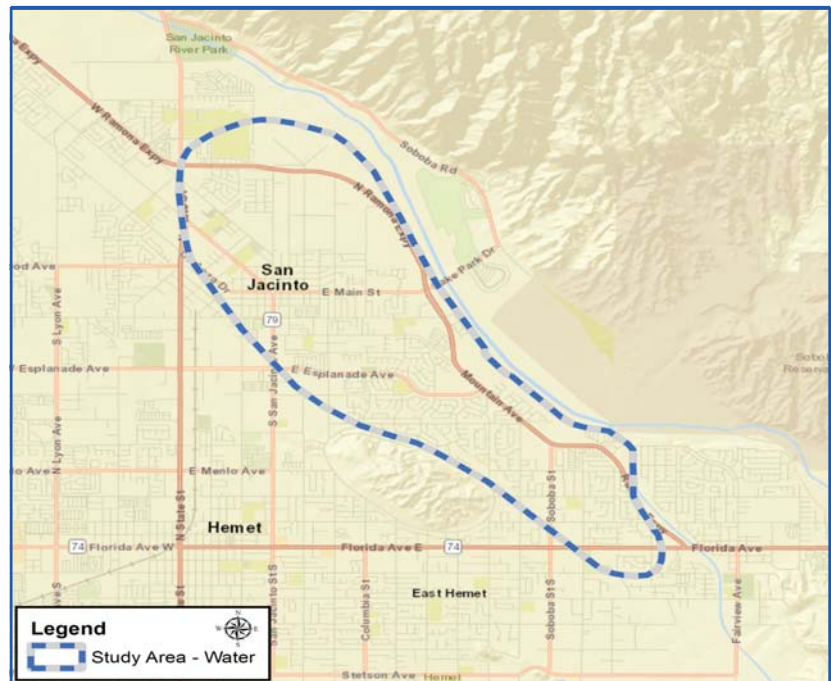
PROJECT BUDGET

- Estimated Total Project Budget: \$1,380,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: John Daverin
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Well 201 Equipping

PROJECT SUMMARY

Equipping for the ERRP/SARCCUP Well 1 in San Jacinto (was SJ1); located at 794 E Shaver St. This project includes the pipelines necessary to bring water from this well to the San Jacinto Groundwater Treatment Facility.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2021/2022

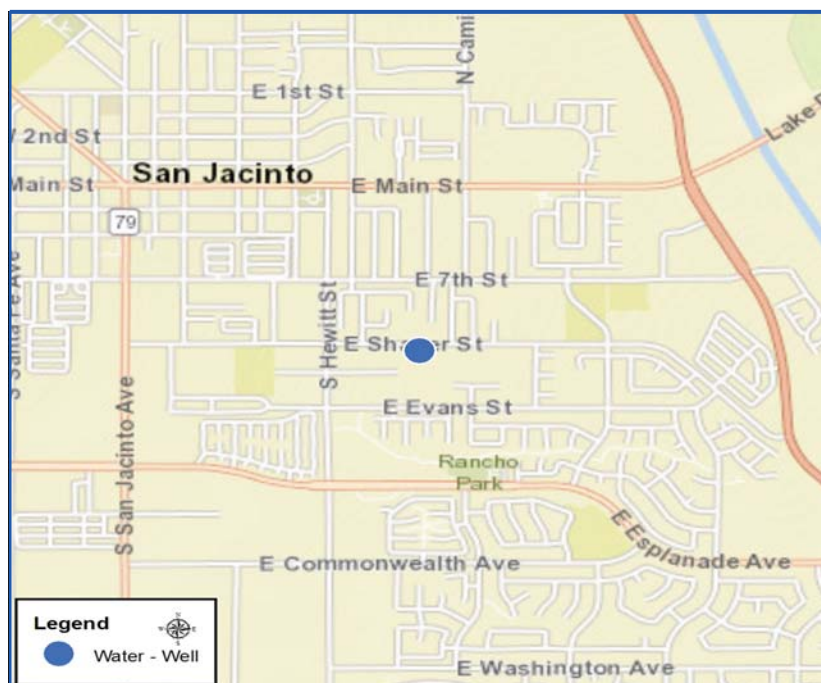
PROJECT BUDGET

- Estimated Total Project Budget: \$5,400,000
- Estimated Construction Budget: \$4,320,000
- Estimated Grant Percentage: 28%

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

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Well 202 Equipping

PROJECT SUMMARY

Equipping for the ERRP/SARCCUP Well 2 in San Jacinto. (was SJ2). Located on parcel on the NE corner of Donna Way and 7th St. This project includes the pipelines necessary to bring water from this well to the San Jacinto Groundwater Treatment Facility.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2021/2022

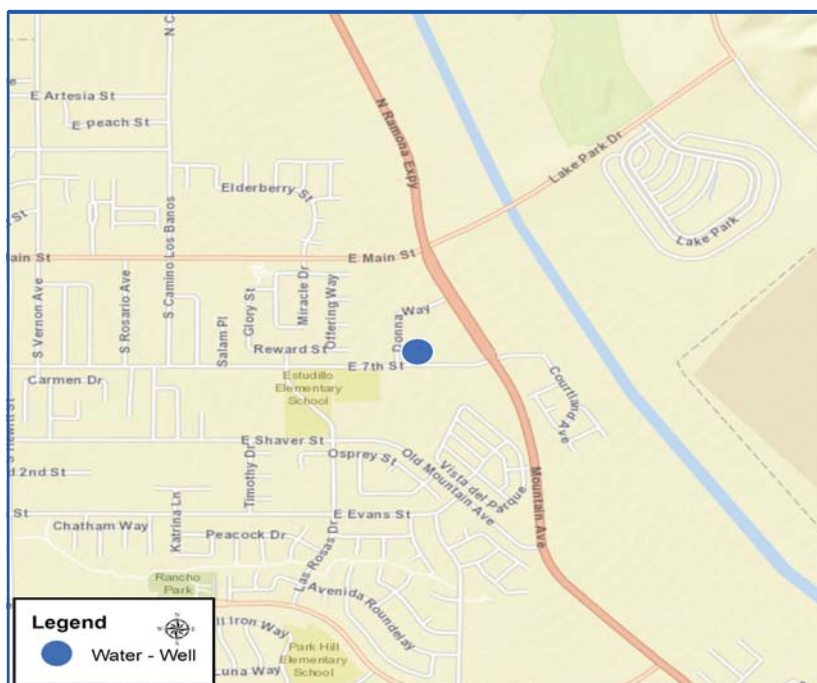
PROJECT BUDGET

- Estimated Total Project Budget: \$5,300,000
- Estimated Construction Budget: \$4,240,000
- Estimated Grant Percentage: 28%

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

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Well 203 Equipping

PROJECT SUMMARY

Equipping for ERRP/SARCCUP Well 203 (was SJ3) adjacent to 1131 East Evans Street in San Jacinto.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2021/2022

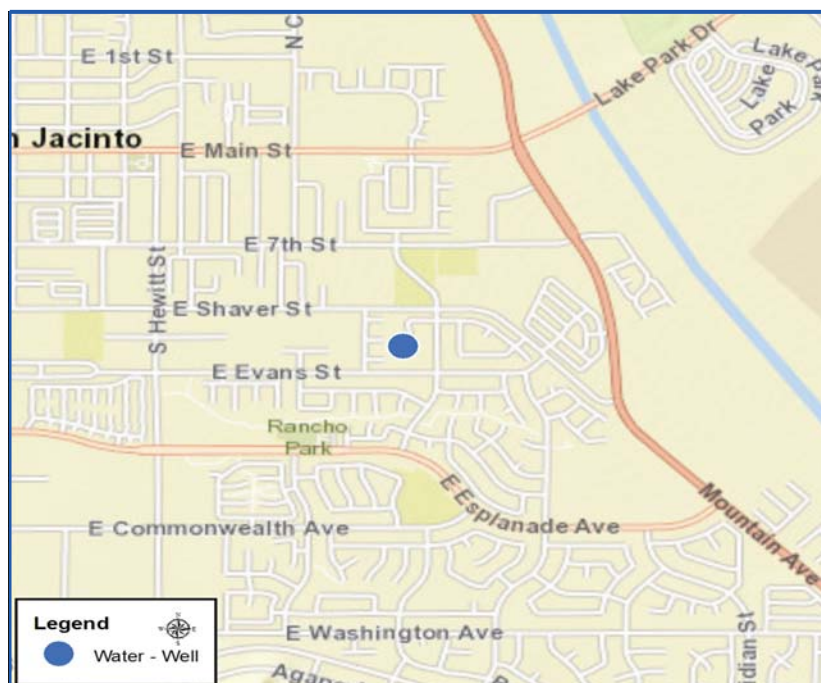
PROJECT BUDGET

- Estimated Total Project Budget: \$5,300,000
- Estimated Construction Budget: \$4,240,000
- Estimated Grant Percentage: 28%

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

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

This well is a replacement of Well 80 located on a parcel bounded by 7th St. on the north, Shaver St. on the south, approximately one-half mile east of Hewitt Avenue in the City of San Jacinto. The effort includes the drilling and testing of the proposed well.

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2018
- Finish: Spring 2019

- Estimated Total Project Budget: \$1,960,000
- Estimated Construction Budget: \$1,876,000
- Estimated Grant Percentage: N/A

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.

This map shows the Rancho Los Barrios area. A blue dot indicates the location of a water well at the intersection of Carmen Dr and Shaver St. The map includes a legend with a blue circle symbol for 'Water - Well' and a compass rose. Major streets shown include E Main St, E 7th St, E Evans St, E Esplanade Ave, S Main St, S 7th St, S 8th St, S 9th St, S 10th St, S 11th St, S 12th St, S 13th St, S 14th St, S 15th St, S 16th St, S 17th St, S 18th St, S 19th St, S 20th St, S 21st St, S 22nd St, S 23rd St, S 24th St, S 25th St, S 26th St, S 27th St, S 28th St, S 29th St, S 30th St, S 31st St, S 32nd St, S 33rd St, S 34th St, S 35th St, S 36th St, S 37th St, S 38th St, S 39th St, S 40th St, S 41st St, S 42nd St, S 43rd St, S 44th St, S 45th St, S 46th St, S 47th St, S 48th St, S 49th St, S 50th St, S 51st St, S 52nd St, S 53rd St, S 54th St, S 55th St, S 56th St, S 57th St, S 58th St, S 59th St, S 60th St, S 61st St, S 62nd St, S 63rd St, S 64th St, S 65th St, S 66th St, S 67th St, S 68th St, S 69th St, S 70th St, S 71st St, S 72nd St, S 73rd St, S 74th St, S 75th St, S 76th St, S 77th St, S 78th St, S 79th St, S 80th St, S 81st St, S 82nd St, S 83rd St, S 84th St, S 85th St, S 86th St, S 87th St, S 88th St, S 89th St, S 90th St, S 91st St, S 92nd St, S 93rd St, S 94th St, S 95th St, S 96th St, S 97th St, S 98th St, S 99th St, S 100th St. Landmarks include Estudillo Elementary School, Park Hill Elementary School, Rancho Park, and Lake Park. The map also shows the Rancho Los Barrios area and the Rancho Los Barrios area.

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: John Daverin
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Well 205 Equipping

PROJECT SUMMARY

The project will comprise the design and construction to equip the subject groundwater extraction well, including associated conveyance pipeline. This well replaces Well 80. This project is located within the San Jacinto Upper Pressure Groundwater Management Zone, and is in close proximity to the proposed SJVWB-ERRP Phase 1 wells (Well 201, 202, and 203).

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2021/2022

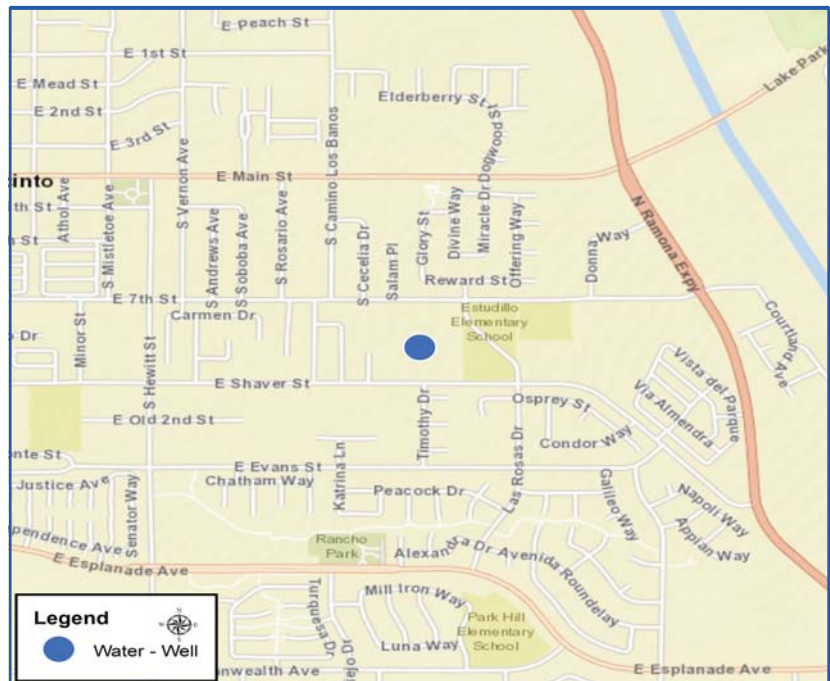
PROJECT BUDGET

- Estimated Total Project Budget: \$3,989,000
- Estimated Construction Budget: \$2,250,000
- Estimated Grant Percentage: N/A

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Well 37 Equipping and 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 Ave and Mountain Ave 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 2020
- Finish: Spring 2022

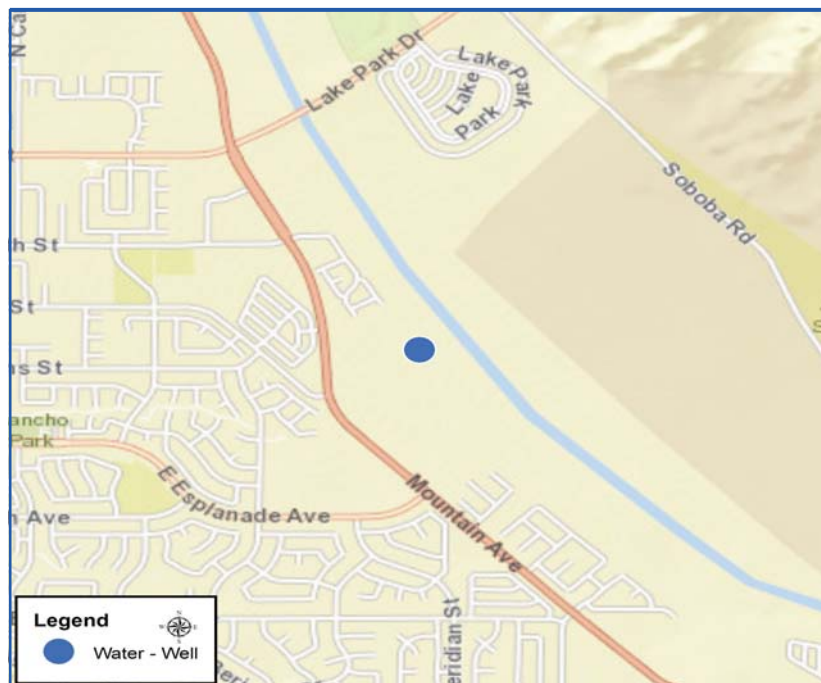
PROJECT BUDGET

- Estimated Total Project Budget: \$4,248,000
- Estimated Construction Budget: \$3,709,000
- Estimated Grant Percentage: N/A

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Well 38 Equipping (Well 28 Replacement)

PROJECT SUMMARY

Potable Water Well No.38, located at Mountain Avenue and Meridian Channel in San Jacinto will replace failed Well 28 on the existing site.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2017/2018
- Finish: Summer 2019

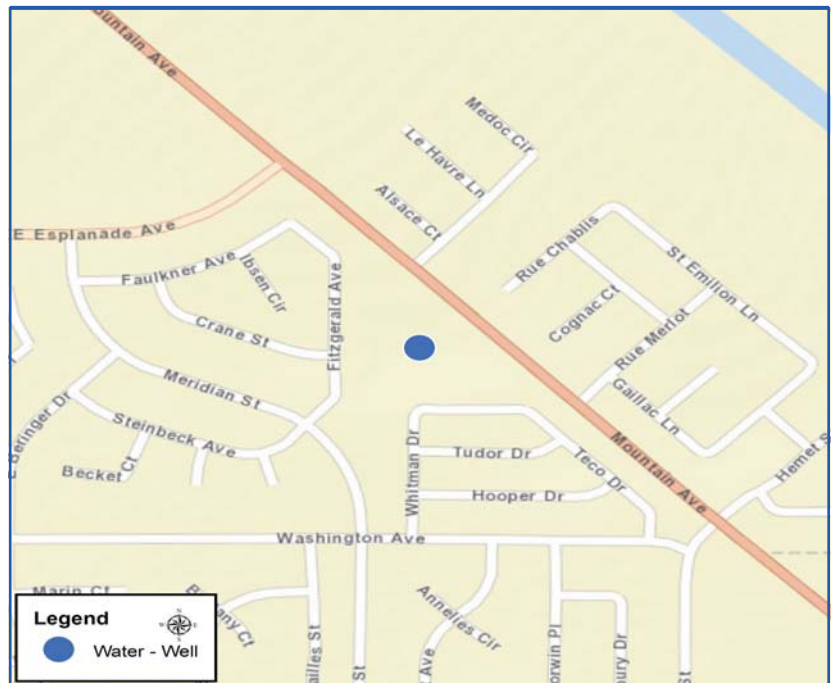
PROJECT BUDGET

- Estimated Total Project Budget: \$4,344,000
- Estimated Construction Budget: \$3,900,000
- Estimated Grant Percentage: N/A

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Wells 201, 202 and 203 Drilling and Testing

PROJECT SUMMARY

Proposed for the ERRP/SARCCUP Well 201 in San Jacinto (was SJ1); located at 794 E Shaver St. ,ERRP/SARCCUP Well 202 in San Jacinto (was SJ2) located on parcel on the NE corner of Donna Way and 7th St and ERRP/SARCCUP Well 203 (was SJ3) in San Jacinto, adjacent to 1131 East Evans Street.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Summer 2019

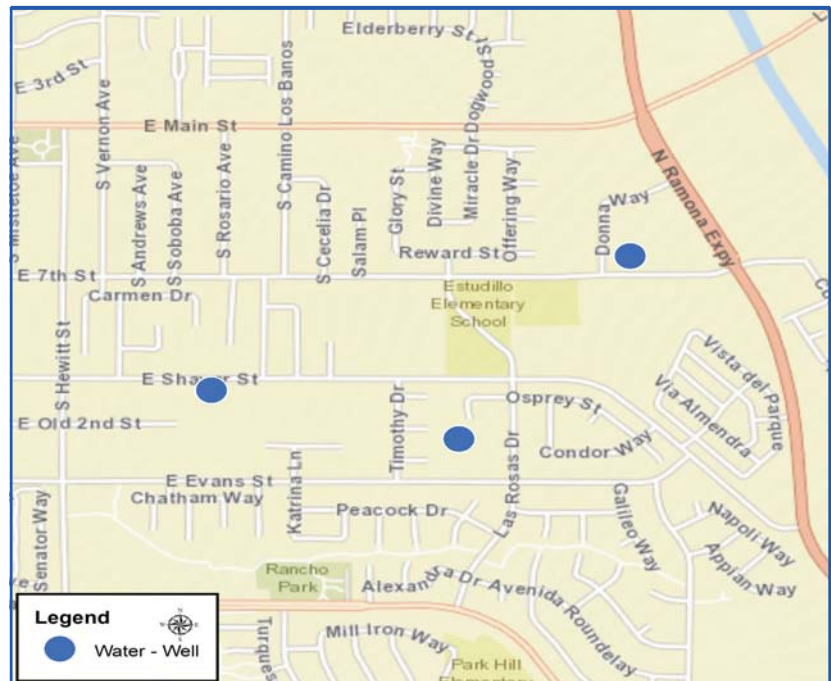
PROJECT BUDGET

- Estimated Total Project Budget: \$7,631,000
- Estimated Construction Budget: \$7,623,000
- Estimated Grant Percentage: 28%

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

- CONTACT: Roxanne Rountree
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: John Daverin
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

San Jacinto Integrated Reclamation Plan

PROJECT SUMMARY

Advancement of future phases of PWR is dependent on implementation of certain improvements to the recycled water and wastewater conveyance systems in San Jacinto Valley. The sequence, timing, and integration of proposed improvements will be evaluated during this project.

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

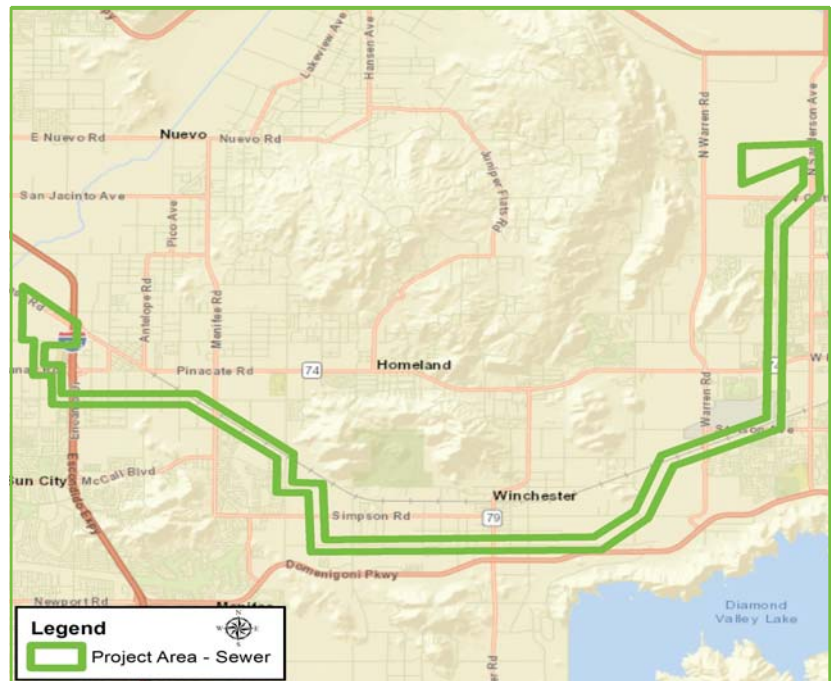
PROJECT BUDGET

- Estimated Total Project Budget: \$449,000
- 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: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Laura Barraza
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

San Jacinto Valley Regional Water Reclamation Facility

Centrate Equalization

PROJECT SUMMARY

This project is to perform final design for the SJVRWRFs 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: Spring 2020
- Finish: Spring 2021

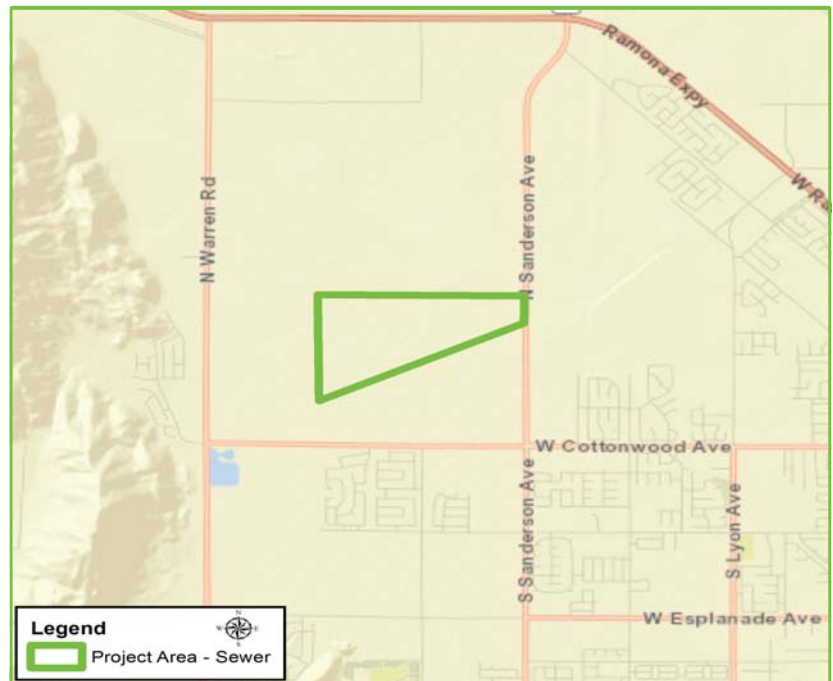
PROJECT BUDGET

- Estimated Total Project Budget: \$2,500,000
- Estimated Construction Budget: \$1,981,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

San Jacinto Valley Regional Water Reclamation Facility Plant 1 Rehabilitation

PROJECT SUMMARY

The San Jacinto Valley Regional Water Reclamation Facility (SJVRWRF) Plant 1 was constructed in the mid-1960s and was taken offline in 2013 following completion of SJVRWRF Plant 2 Expansion Project. A condition assessment of the SJVRWRF 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 2020/2021
- Finish: Summer 2022

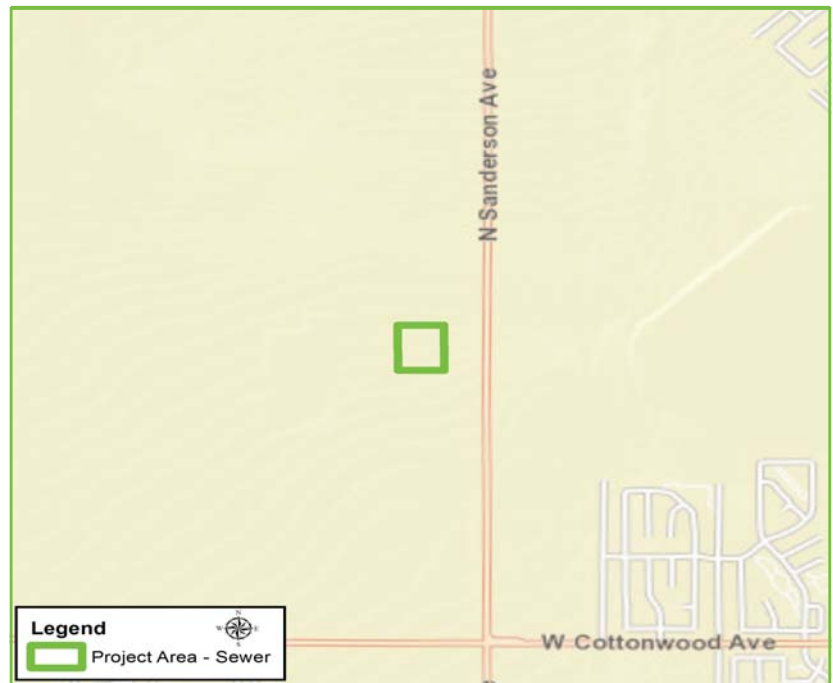
PROJECT BUDGET

- Estimated Total Project Budget: \$7,837,000
- Estimated Construction Budget: \$7,108,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

San Jacinto Valley Regional Water Reclamation Facility Screw Conveyor in Dewatering Building

PROJECT SUMMARY

The proposed screw conveyors will replace existing old belt conveyors (yr 1988) for the sludge dewatering. This is to reduce sludge cake spills in the building and reduce migration of hydrogen sulfide, moisture, and other corrosive gases coming off the sludge cake to other areas in the building.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2019
- Finish: Winter 2019/2020

PROJECT BUDGET

- Estimated Total Project Budget: \$612,000
- Estimated Construction Budget: \$573,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

Alessandro Pond Optimization - Phase I

PROJECT SUMMARY

The facility is located at the intersection of Olmstead St. and New York Ave. in the city of San Jacinto just north of the Ramona Expressway. To optimize storage and enhance operation of the recently constructed pond pump station, the District will construct berms and pump controls. Award of construction to perform grading improvements, to maximize pond storage, and provide erosion protection

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2018
- Finish: Summer 2019

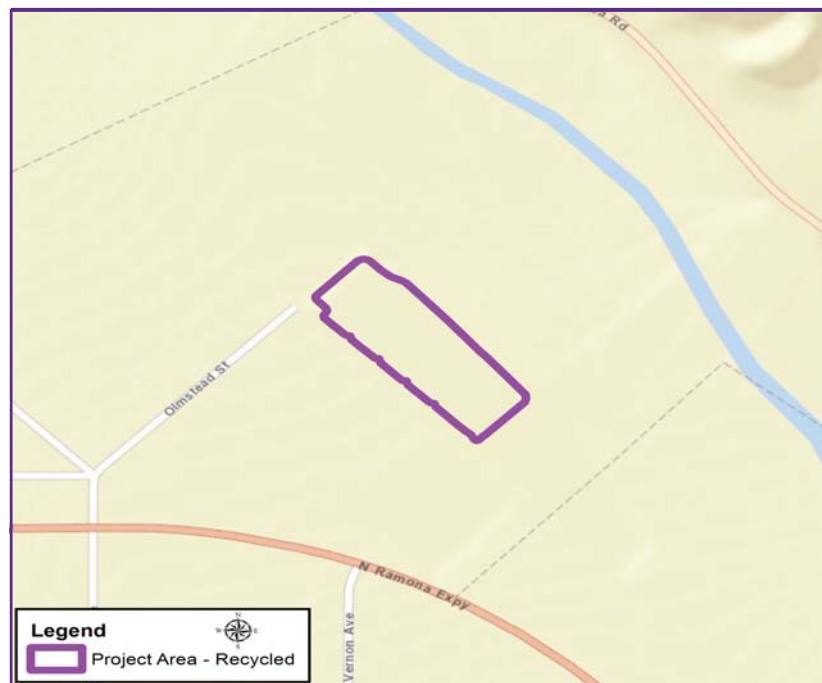
PROJECT BUDGET

- Estimated Total Project Budget: \$2,025,000
- Estimated Construction Budget: \$1,786,000
- Estimated Grant Percentage: 50%

PROJECT BENEFIT

Recycled water storage plays a critical role in providing year-round reliability and reducing reliance on drinking water supplies by allowing recycled water to be stored in cooler months when demand is low and available for use during months where demand is greater than production.

PROJECT LOCATION

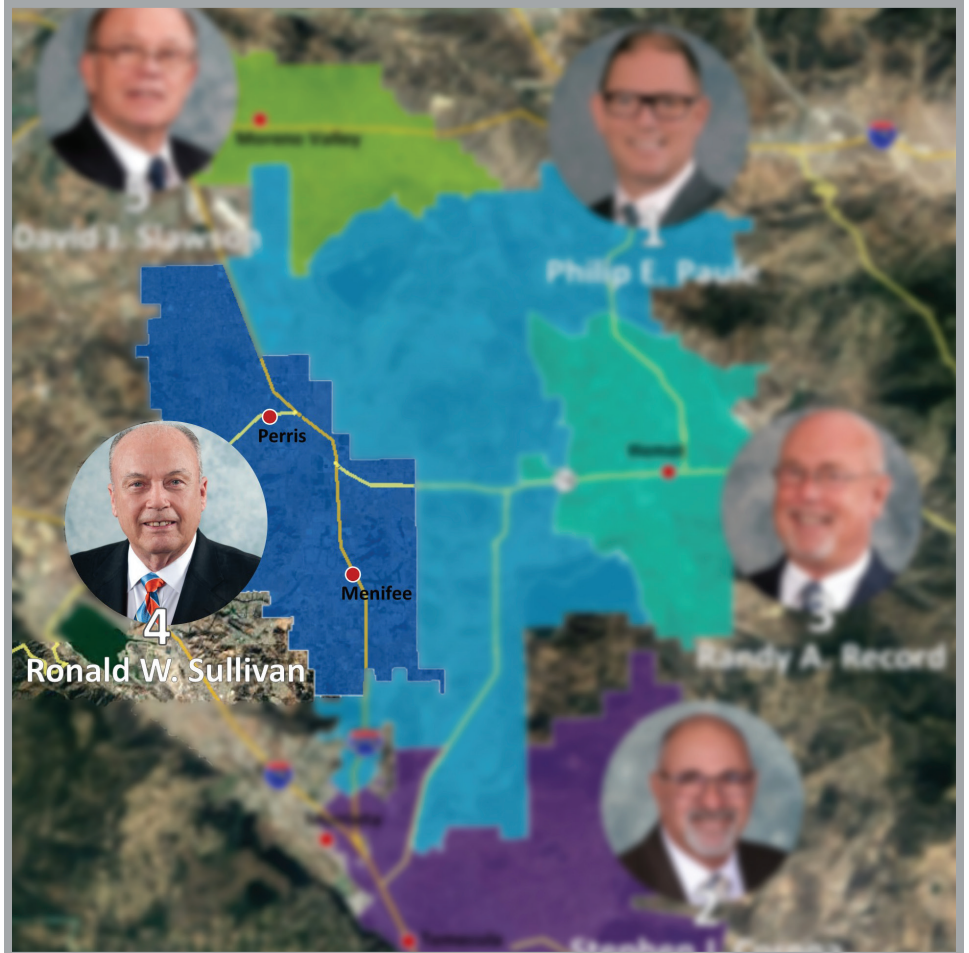
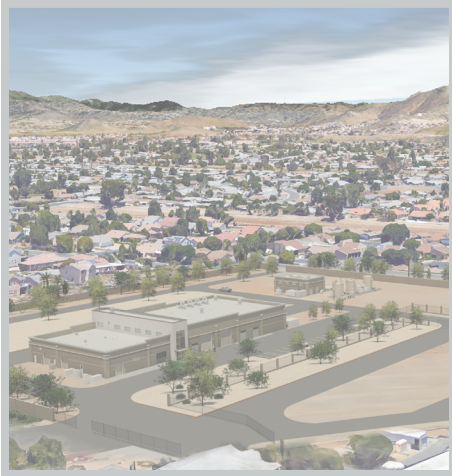


MORE INFORMATION

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Randy A. Record
Division No. 3

EMWD Board Vice-President and Santa Ana Watershed Project Authority Commissioner Ronald W. Sullivan

Division 4: The City of Menifee, the central and southern portions of the City of Perris, the eastern portion of the City of Canyon Lake, and the unincorporated areas of Mead Valley, Good Hope, and Romoland.



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Desaltech Concentrator Demonstration

PROJECT SUMMARY

This project includes the construction of a demonstration unit to pilot/evaluate Desaltech treatment equipment for a Regional Brine Concentrator that will be situated adjacent to the proposed Perris II Desalter in the City of Menifee near Murrieta Road and Valley Blvd.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2018
- Finish: Summer 2019

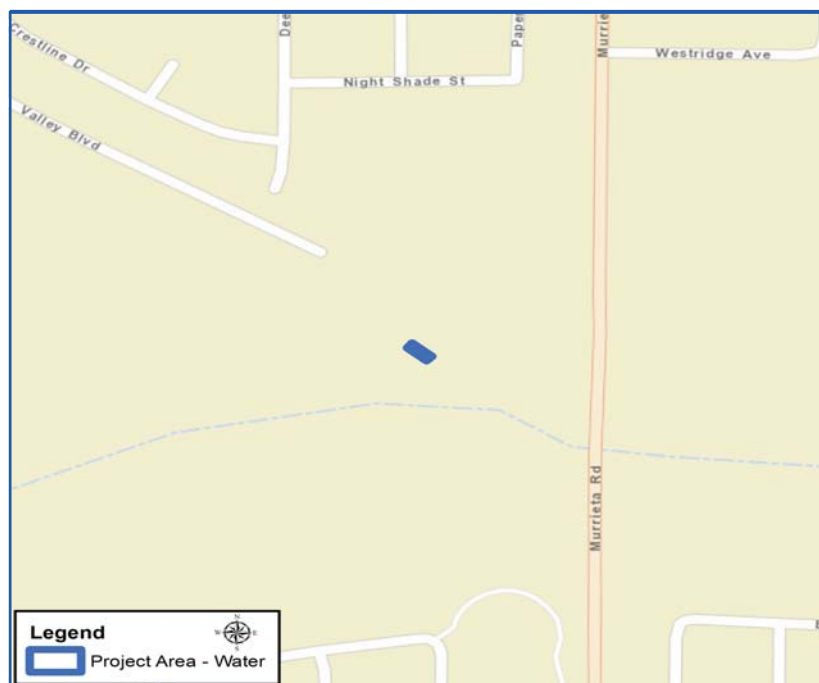
PROJECT BUDGET

- Estimated Total Project Budget: \$974,000
- Estimated Construction Budget: \$713,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

EMWD's Desalination Program is one of several strategies EMWD is pursuing to become less reliant on imported water and move toward the goal of drought-proofing the region and providing reliability and flexibility to the area's water supply.

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Ellis Tank Interior Recoating

PROJECT SUMMARY

Recoat Ellis Tank. Project location is 21005 Ellis Ave Perris.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2019
- Finish: Fall 2019

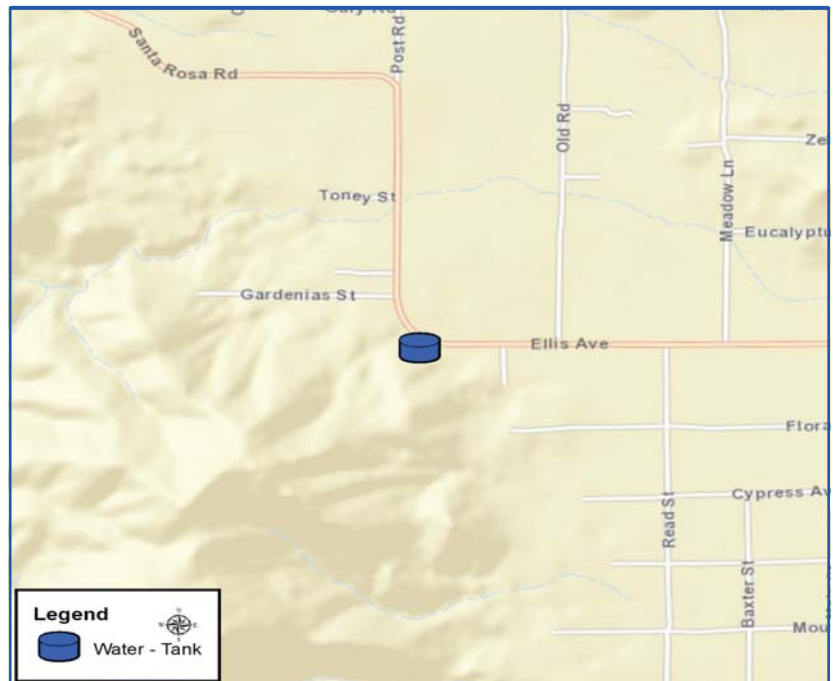
PROJECT BUDGET

- Estimated Total Project Budget: \$618,000
- Estimated Construction Budget: \$544,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Fox Street Tank and Pipeline

PROJECT SUMMARY

Design and Construction of a 1.0 MG Welded Steel Tank (73 feet in diameter and 32 feet in height) to replace the existing 0.15 MG 1982 PZ Orange Tank in Mead Valley, including property acquisition, demolition of existing tank and pipeline improvements. The proposed tank location is on Fox Street approximately 600 feet west of Ellis Road.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2018/2019
- Finish: Winter 2019/2020

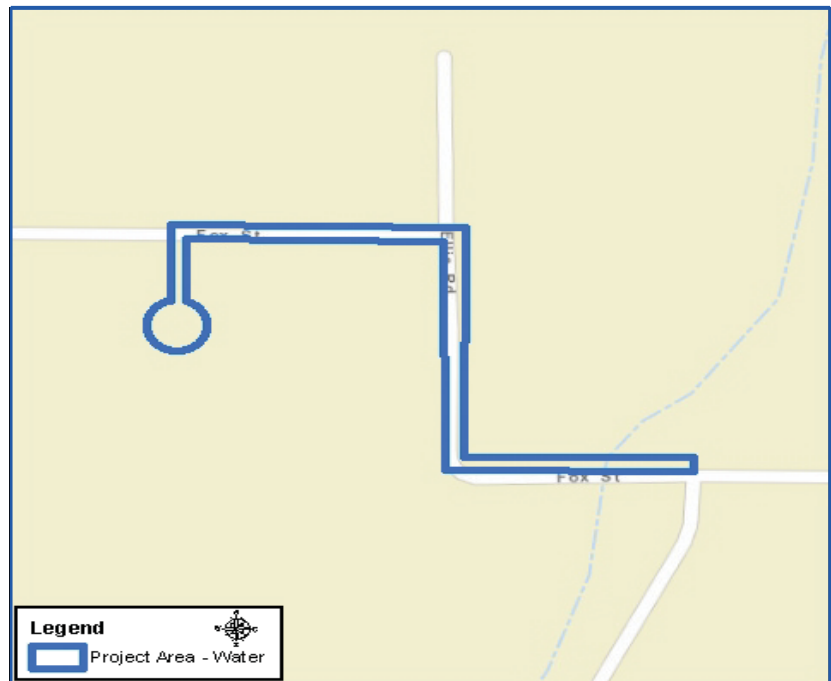
PROJECT BUDGET

- Estimated Total Project Budget: \$6,704,000
- Estimated Construction Budget: \$4,710,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Goetz Road Tank and Pipeline

PROJECT SUMMARY

1627 zone storage tank at the intersection of Goetz and Sotello Rd in southwest Perris. Construct a 10 MG Concrete Tank on a recently purchased parcel, and associated pipeline to connect the tank to existing pipeline in Murrieta Rd.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2021
- Finish: Summer 2024

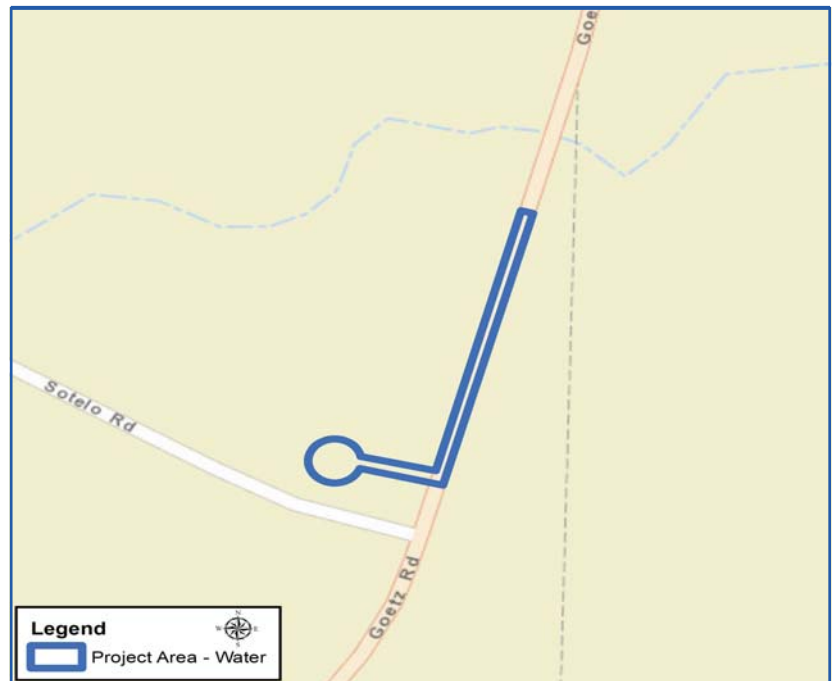
PROJECT BUDGET

- Estimated Total Project Budget: \$13,221,000
- Estimated Construction Budget: \$12,000,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

McCall Boulevard Pipeline Replacement

PROJECT SUMMARY

The existing 12-inch diameter cement mortar lined and coated (CMI&C) steel pipeline is in need of replacement based on its condition and history of repairs. Approximately 1.3 miles will be replaced. This project is located along McCall Boulevard between Valley Boulevard and Bradley Road in the City of Menifee.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2020/2021

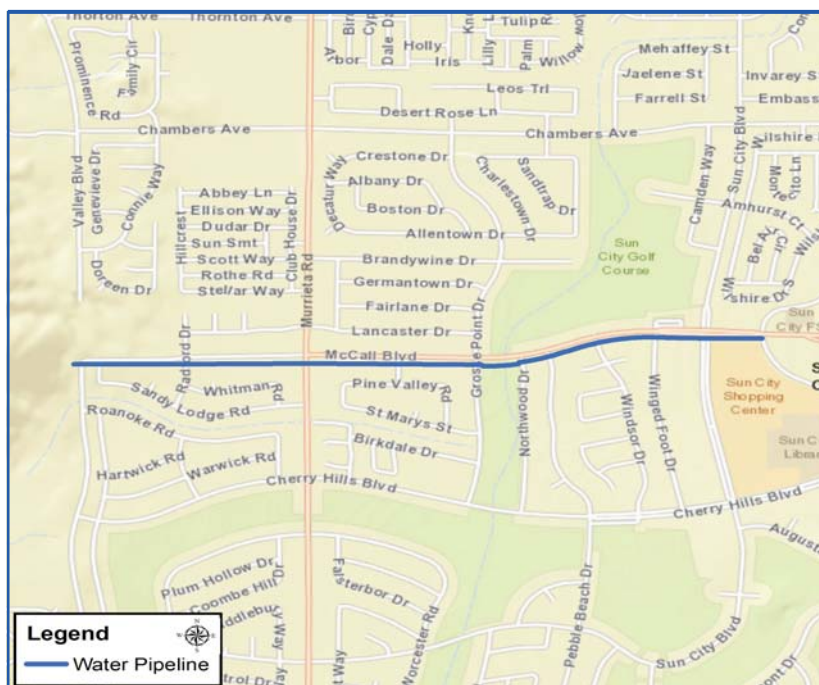
PROJECT BUDGET

- Estimated Total Project Budget: \$2,881,000
- Estimated Construction Budget: \$2,580,000
- 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

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Murrieta Road Booster Station

PROJECT SUMMARY

Replacement due to operational deficiency and past its useful life at the Murrieta Rd Booster Station on Murrieta Rd and Ethanac Rd in Perris, CA.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2020/2021
- Finish: Spring 2022

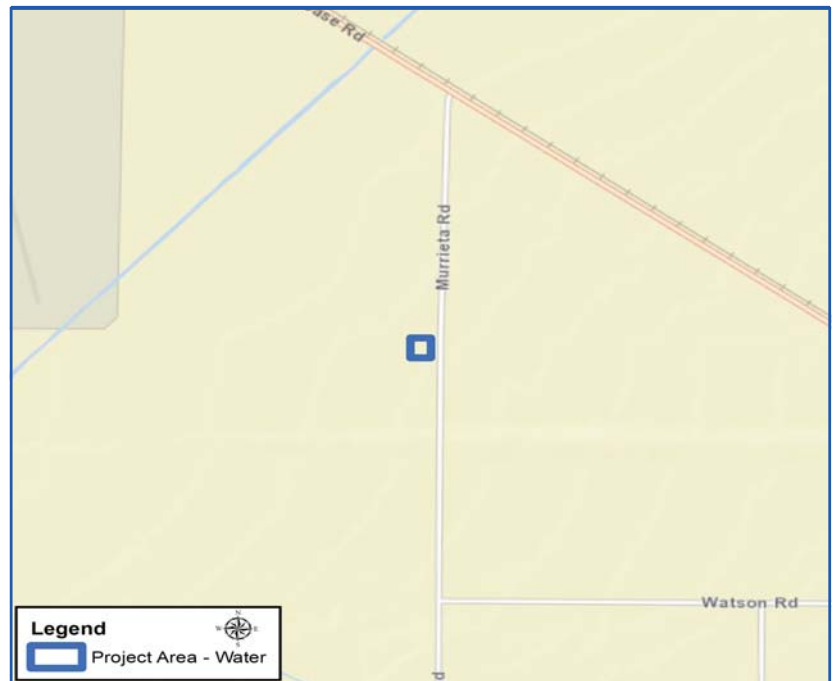
PROJECT BUDGET

- Estimated Total Project Budget: \$5,870,000
- Estimated Construction Budget: \$4,696,000
- 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

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Perris II Desalter

PROJECT SUMMARY

The Perris II Desalter, located adjacent to Eastern Municipal Water District's the existing desalters in the City of Menifee, will treat brackish (salty) groundwater to potable water standards. Perris II will produce 5.4 MGD. EMWD's desalination program allows for our communities to use of local water supplies and become less reliant on imported water.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2018/2019
- Finish: Fall 2021

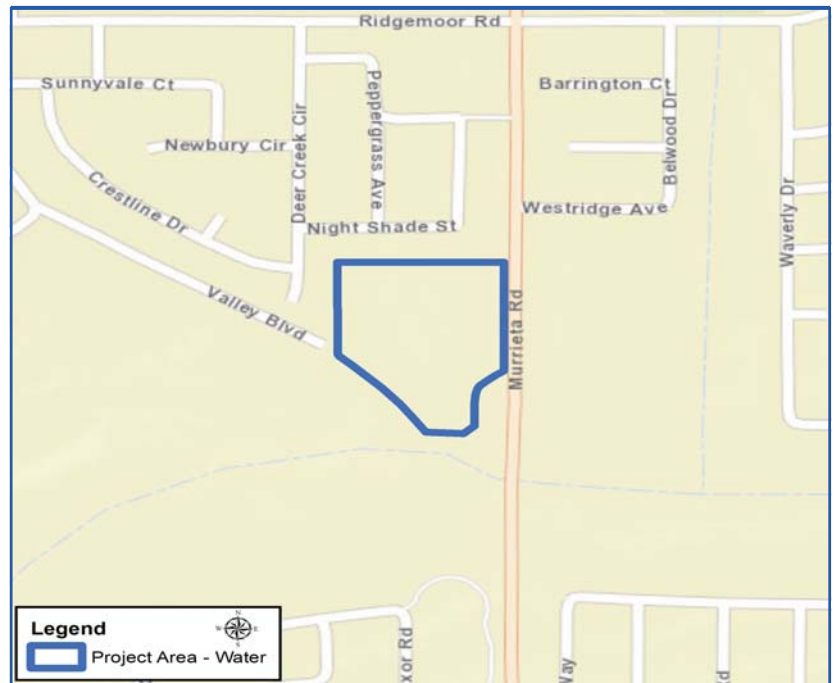
PROJECT BUDGET

- Estimated Total Project Budget: \$63,428,000
- Estimated Construction Budget: \$56,722,000
- Estimated Grant Percentage: 40%

PROJECT BENEFIT

EMWD's Desalination Program is one of several strategies EMWD is pursuing to become less reliant on imported water and move toward the goal of drought-proofing the region and providing reliability and flexibility to the area's water supply.

PROJECT LOCATION



MORE INFORMATION

- **CONTACT:** Amanda Fine
Public Affairs Officer II
- **PHONE:** 951-928-3777 ext. 4206
- **EMAIL:** finea@emwd.org
- **PROJECT MANAGER:** Gregory Kowalski
- **EMWD BOARD MEMBER:**
Director Ronald W. Sullivan
Division No. 4

Quail Valley 1 Tank Interior Recoating

PROJECT SUMMARY

Quail Valley 1 tank interior recoating. Project location is 24565 Canyon Dr Quail Valley.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2019
- Finish: Winter 2019/2020

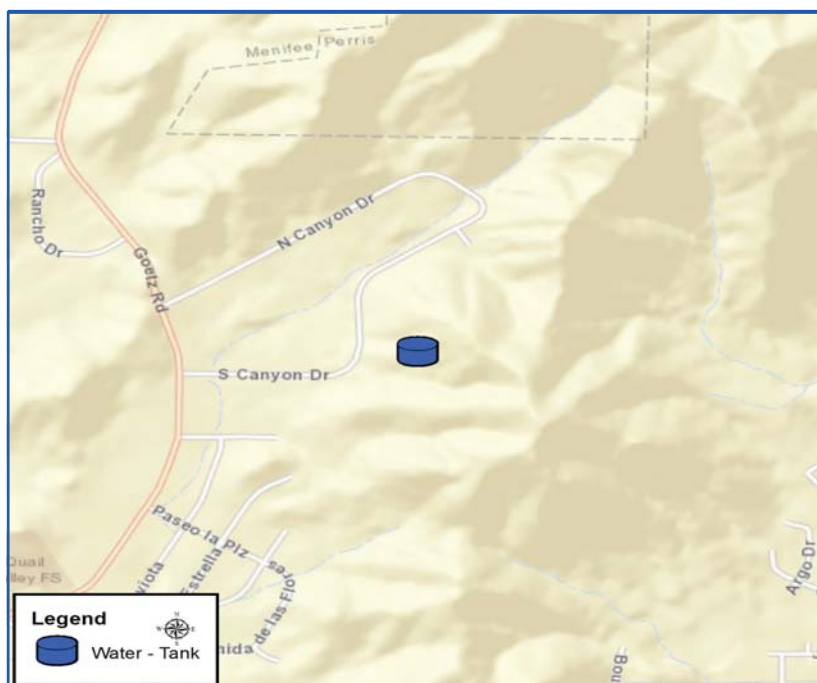
PROJECT BUDGET

- Estimated Total Project Budget: \$659,000
- Estimated Construction Budget: \$586,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Romoland Booster Station

PROJECT SUMMARY

Project includes the replacement and relocation of the Romoland Booster Station located on Ethanac Rd and Jackson Avenue in the City of Menifee, CA. The booster pumping station is an inline booster station that delivers potable water to the West and North 1627 pressure zones and works in parallel with the Murrieta BPS.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2025
- Finish: Summer 2026

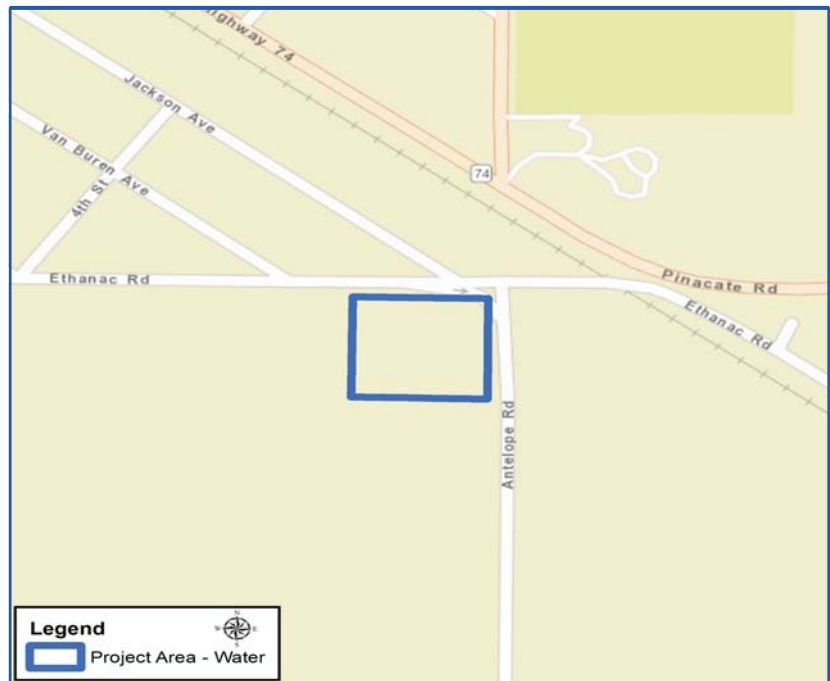
PROJECT BUDGET

- Estimated Total Project Budget: \$5,266,000
- Estimated Construction Budget: \$3,747,000
- 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

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

City of Perris Sewer Assessment

PROJECT SUMMARY

The City of Perris currently owns and operates a sewer collection system. Under this project, the District will perform a brief high-level study of the City's sewer collection system to assess its condition and estimate the cost to improve the system to meet District standards.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

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

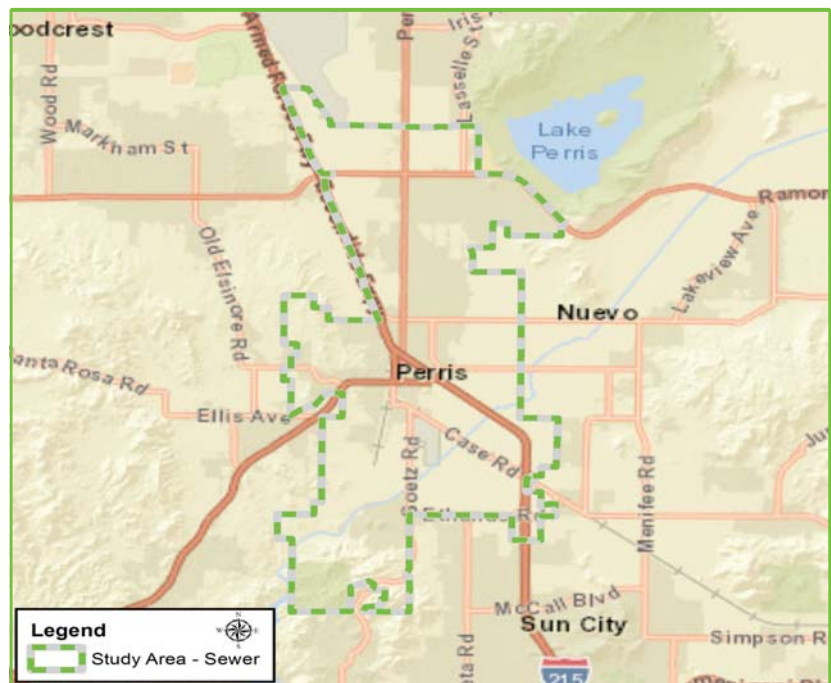
PROJECT BUDGET

- Estimated Total Project Budget: \$42,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

EMWD strives to protect public health through the responsible collection, conveyance and treatment of wastewater; the removal and sustainable disposal of biosolids; and the development of recycled water supplies to offset drinking water demands.

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Newport Lift Station Pipe Replacement

PROJECT SUMMARY

Replacement of wetwell and above grade piping at Newport Lift Station located at 29775 Newport Rd. Menifee.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Winter 2020/2021

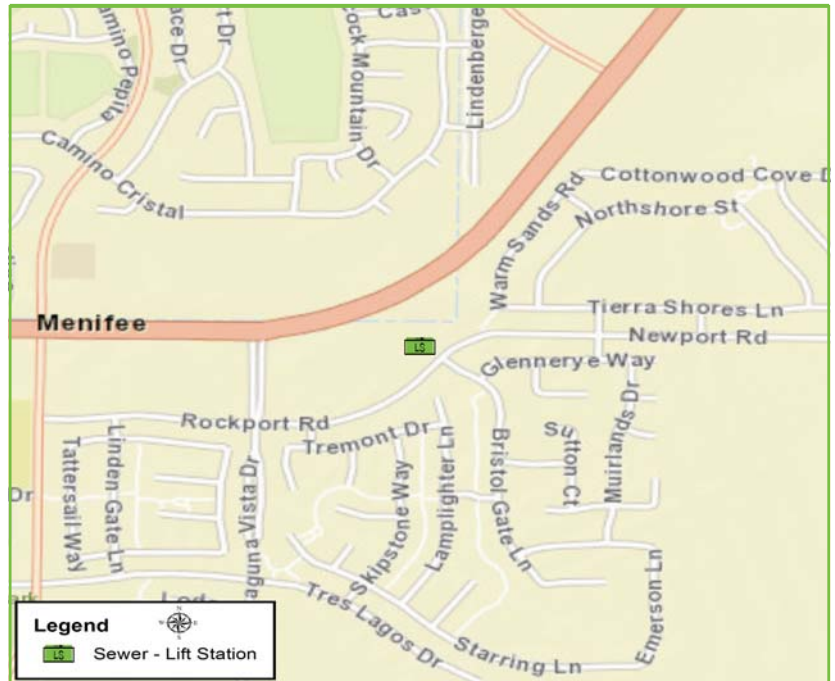
PROJECT BUDGET

- Estimated Total Project Budget: \$180,000
- Estimated Construction Budget: \$135,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Perris Valley Regional Water Reclamation Facility Digester Gas Pipeline

PROJECT SUMMARY

Installation of a digester gas (DG) line from PVRWRF to the CR&R facility will allow the District to partner with CR&R to beneficially use the DG as a renewable transportation fuel.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

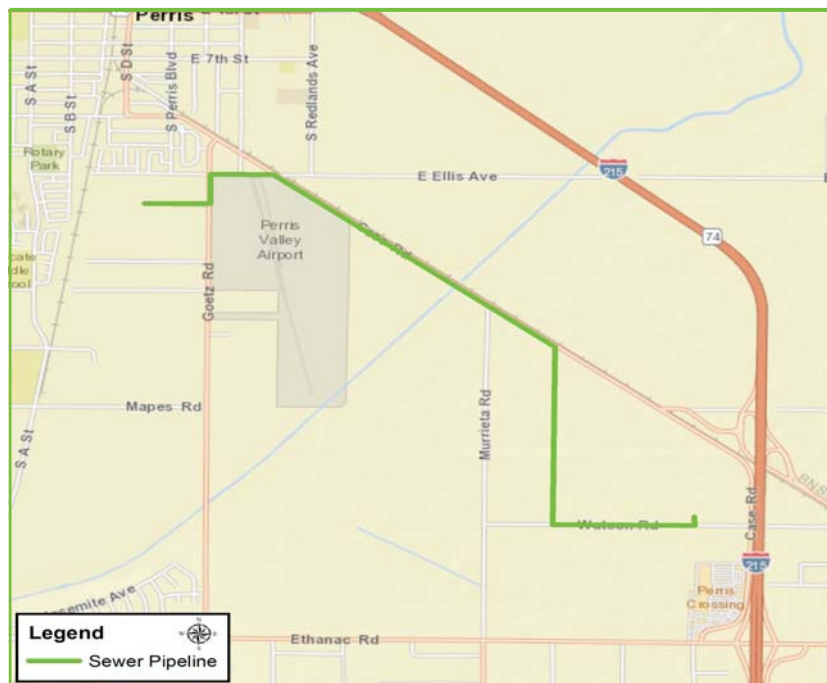
PROJECT BUDGET

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

PROJECT BENEFIT

EMWD 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Quail Valley Wastewater Pipeline - Phase I (Sub-Area 9)

PROJECT SUMMARY

The Quail Valley Sewer Improvements Sub-Area 9, Phase 1 project installs a gravity sewer system for 149 existing residential units and 66 undeveloped lots. This portion of Sub-Area 9 will follow an alternative gravity sewer approach utilizing the lift station capacity in the Audie Murphy Ranch development. Project will also include a trunk sewer at Goetz Road with financial contribution from AMR. Project is located in Quail Valley, City of Menifee.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2017
- Finish: Spring 2019

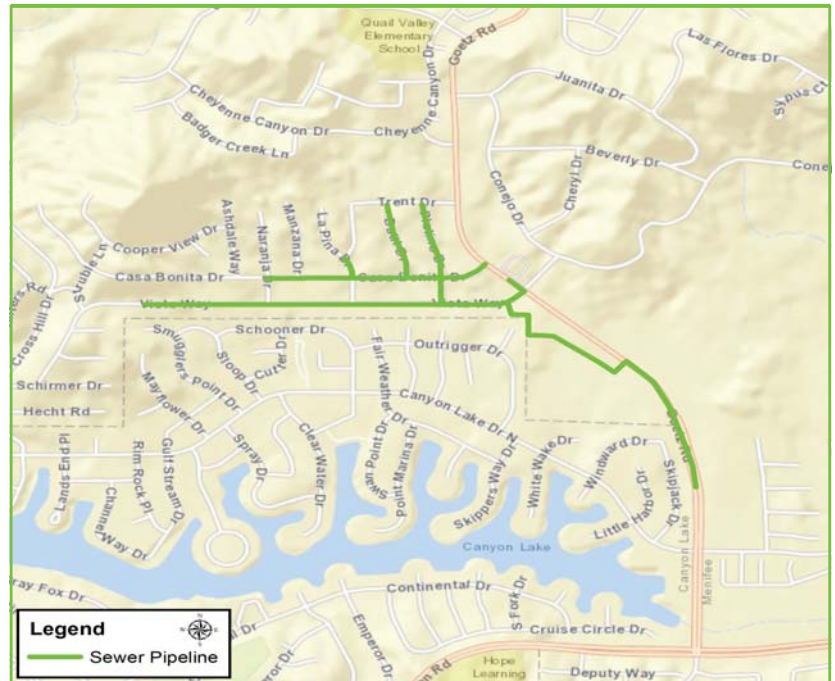
PROJECT BUDGET

- Estimated Total Project Budget: \$10,076,000
- Estimated Construction Budget: \$8,890,000
- Estimated Grant Percentage: 89%

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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Sun City Lift Station Electrical Upgrade

PROJECT SUMMARY

This project is located at the Sun City Lift Station located at 29285 Valley Blvd. in the City of Menifee and includes replacing existing electrical and HVAC equipment.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2017
- Finish: Summer 2019

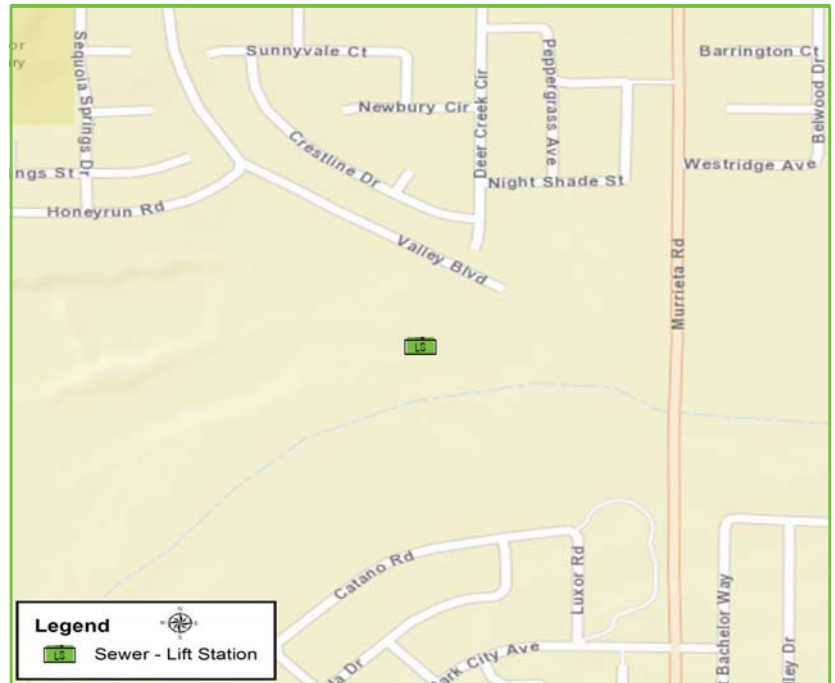
PROJECT BUDGET

- Estimated Total Project Budget: \$3,768,000
- Estimated Construction Budget: \$3,458,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Reach 4 Booster Station Upgrade

PROJECT SUMMARY

The Reach 4 RWBS is equipped with 3 pumping units with the total capacity of 15,625 gpm. Two of the pumps have capacity of 6,250 gpm and the 3rd pump have a capacity of 3,125 gpm. Project will increase the pumping capacity to 28,000 gpm. May be funded via SRF loan.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Summer 2019

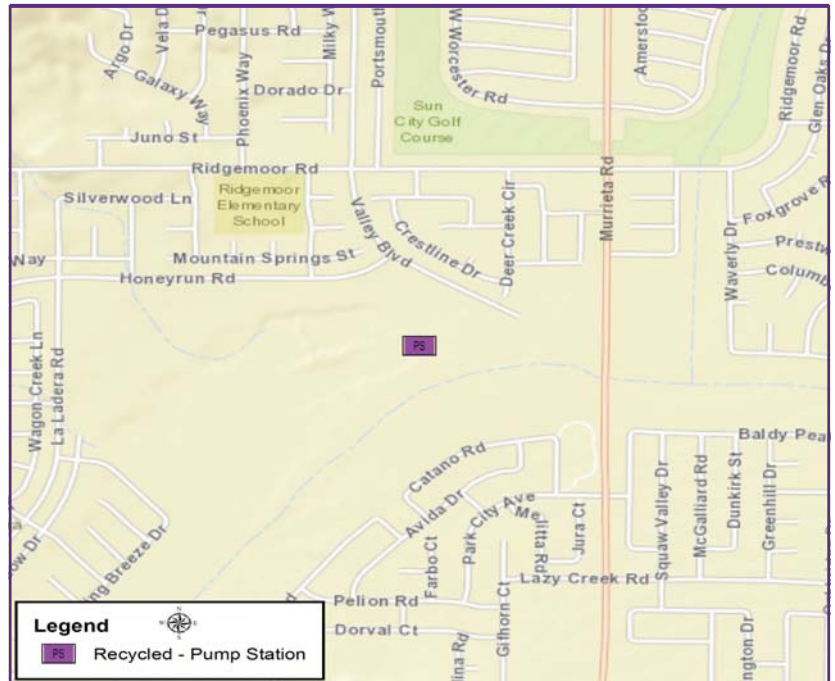
PROJECT BUDGET

- Estimated Total Project Budget: \$3,950,000
- Estimated Construction Budget: \$3,503,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Sunnymead Effluent Pipeline - Cathodic Protection

PROJECT SUMMARY

Pipeline consists of approximately 3.8 miles of 36-inch CML&C steel pipe, starting at the intersection of Evans Road and San Jacinto Ave., continuing south to Watson Road in City of Perris.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Summer 2019

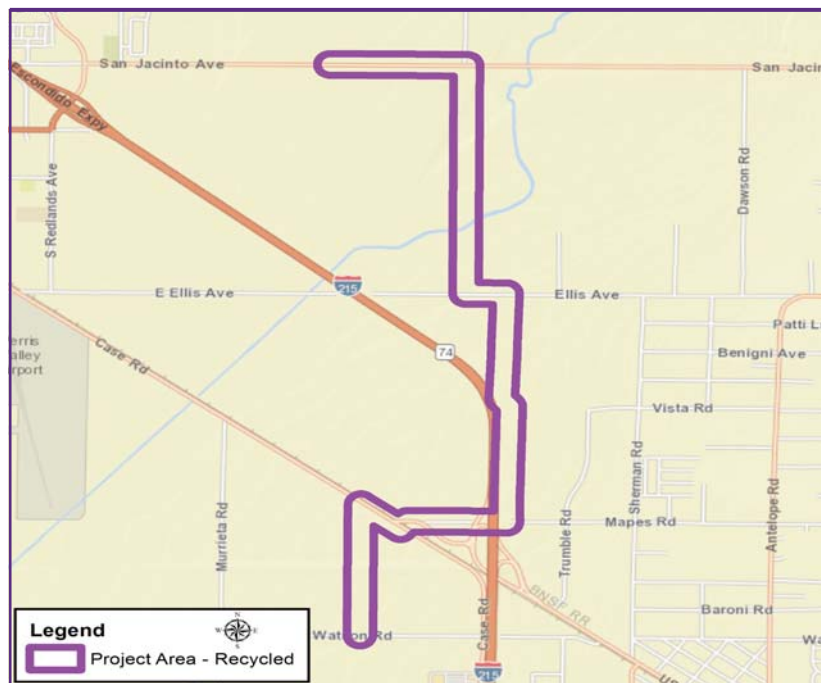
PROJECT BUDGET

- Estimated Total Project Budget: \$1,184,000
- Estimated Construction Budget: \$1,111,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

Headquarters Building Renovation Phase I

PROJECT SUMMARY

Open office conversion and tenant improvement of interior spaces for the entire AC Building's first floor and Meter Building to house Customer Service, Finance, Information Systems, New Business, Records, Public and Governmental Affairs, Inspectors, Meters, and shared common area.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Summer 2020

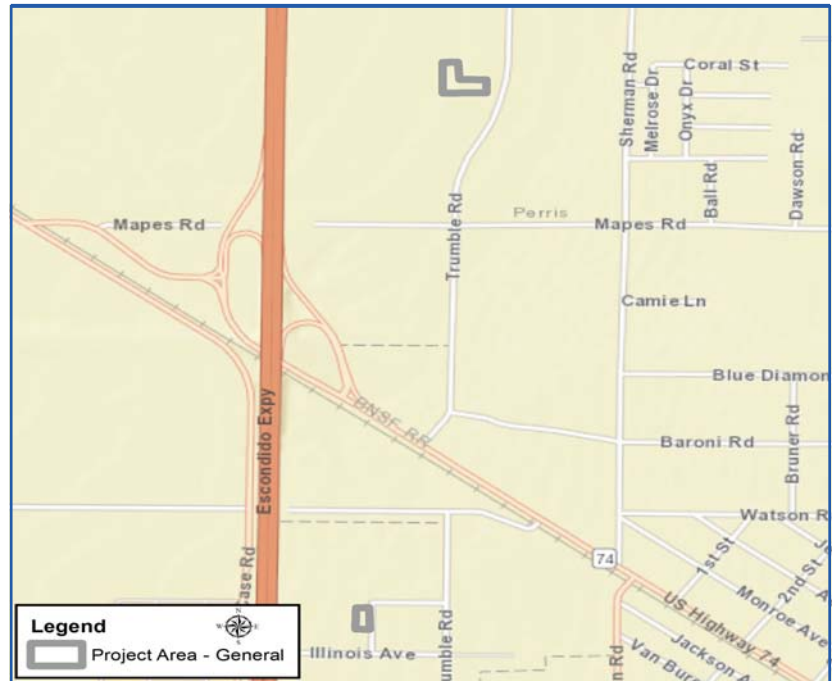
PROJECT BUDGET

- Estimated Total Project Budget: \$3,850,000
- Estimated Construction Budget: \$3,200,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

EMWD Operations and Maintenance Center Gate 5 Improvements

PROJECT SUMMARY

This project involves analysis of site access, security, and circulation improvements at EMWD Headquarters Property located at 2270 Trumble Road, Perris CA. Gate 5 serves as the main employee entrance and is located on Mapes Road west of Trumble Road.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Winter 2020/2021

PROJECT BUDGET

- Estimated Total Project Budget: \$2,139,000
- Estimated Construction Budget: \$1,600,000
- 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: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

EMWD Operations and Maintenance Center Laboratory Modification

PROJECT SUMMARY

This project will modify the Operations and Maintenance Center (OMC) Laboratory (lab) to right-size lab areas, improve work flow for sample receiving and analysis, improve energy efficiency by removing unneeded fume hoods, and provide a designated cubicle area for lab employees outside of the lab areas.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Fall 2019

PROJECT BUDGET

- Estimated Total Project Budget: \$4,058,000
- Estimated Construction Budget: \$3,598,000
- 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



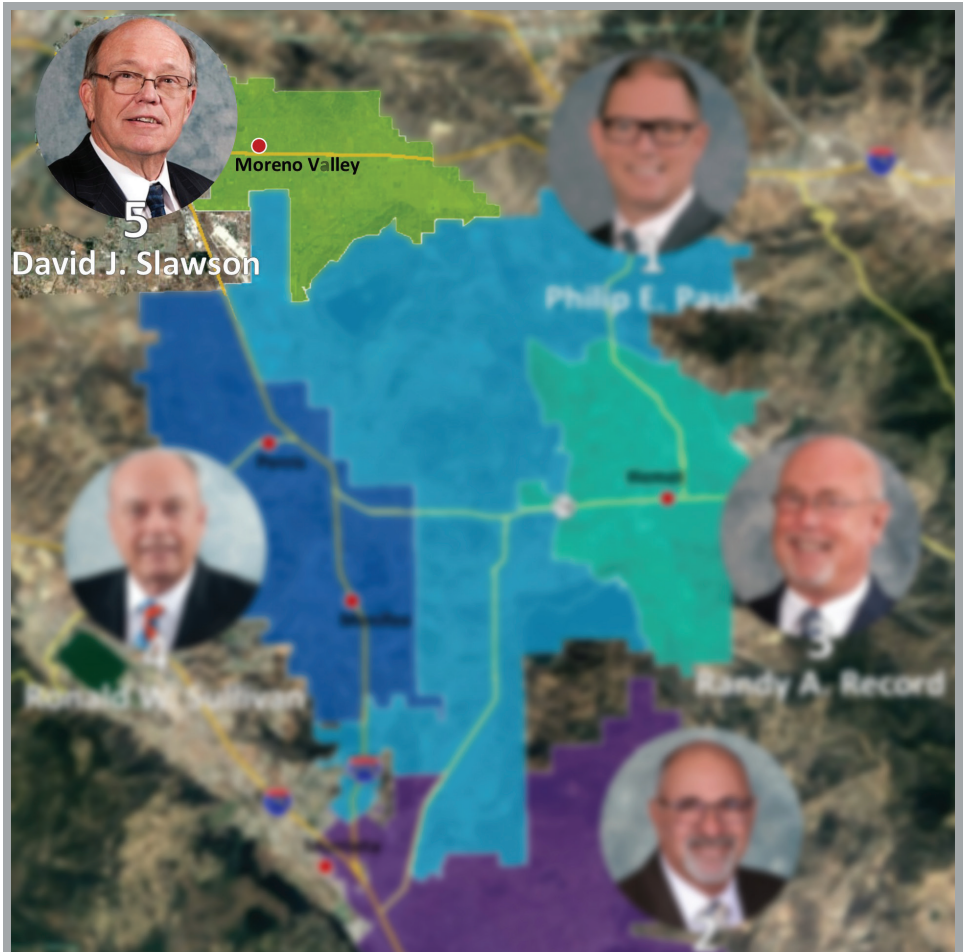
MORE INFORMATION

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Ronald W. Sullivan
Division No. 4

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EMWD Board President David J. Slawson

Division 5: The eastern portion of the City of Riverside and the north, central, and eastern portions of the City of Moreno Valley.



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Dale Pressure Zone Looping Pipeline

PROJECT SUMMARY

Project consists of approximately 1,100 linear ft of an 18" inch diameter pipeline in order to connect to an existing 12" inch diameter pipeline in Kitching St and the existing 18" inch diameter piping in Alta Vista Drive. Project location is Moreno Valley.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2020/2021
- Finish: Spring 2022

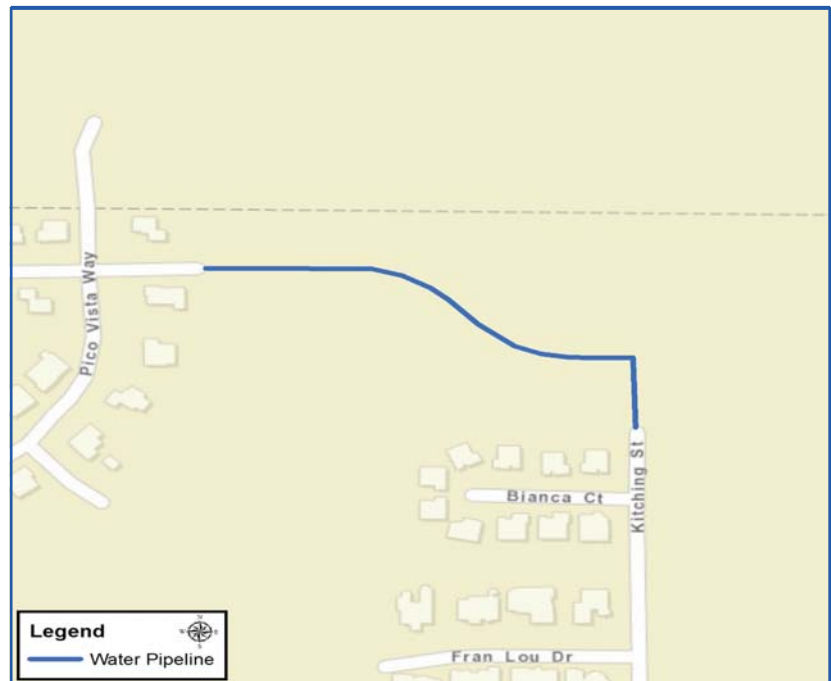
PROJECT BUDGET

- Estimated Total Project Budget: \$446,000
- Estimated Construction Budget: \$349,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Laura Barraza
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Eucalyptus Booster Station

PROJECT SUMMARY

The Eucalyptus Booster Pump Station will be constructed on Eucalyptus Ave., east of Nason St, to replace the Elder BPS. Both sites are located in the City of Moreno Valley and serve the 1967 Kalmia Pressure Zone. The Eucalyptus BPS will have 3 electric (1750 gpm) pumps and a 400kw standby diesel generator.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Spring 2022

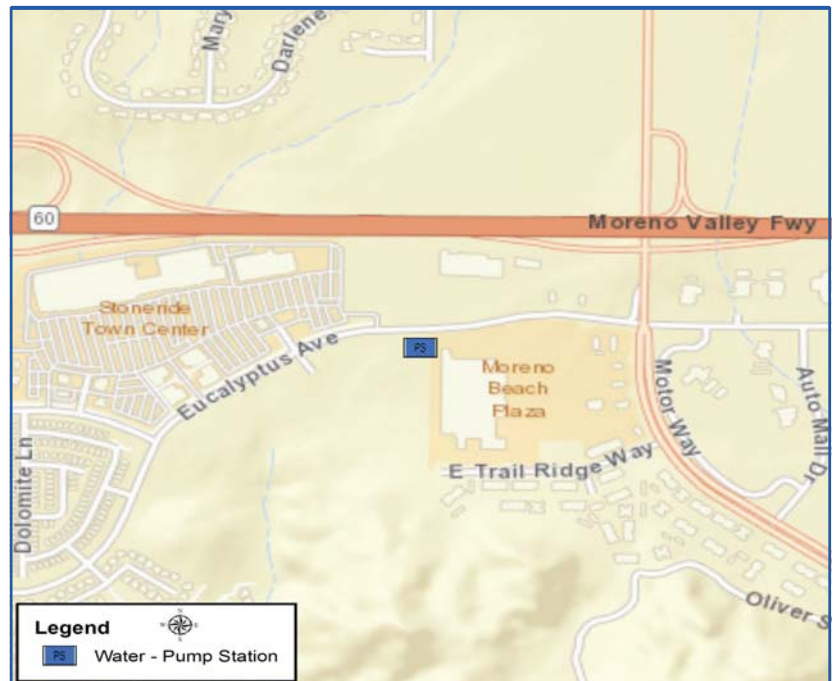
PROJECT BUDGET

- Estimated Total Project Budget: \$5,108,000
- Estimated Construction Budget: \$3,790,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Indian Street Water Pipeline Replacement

PROJECT SUMMARY

Replace approximately 1,600 linear ft of 12" pipe along Indian Street from Ironwood Avenue to Hemlock Street in the City of Moreno Valley.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2021
- Finish: Fall 2022

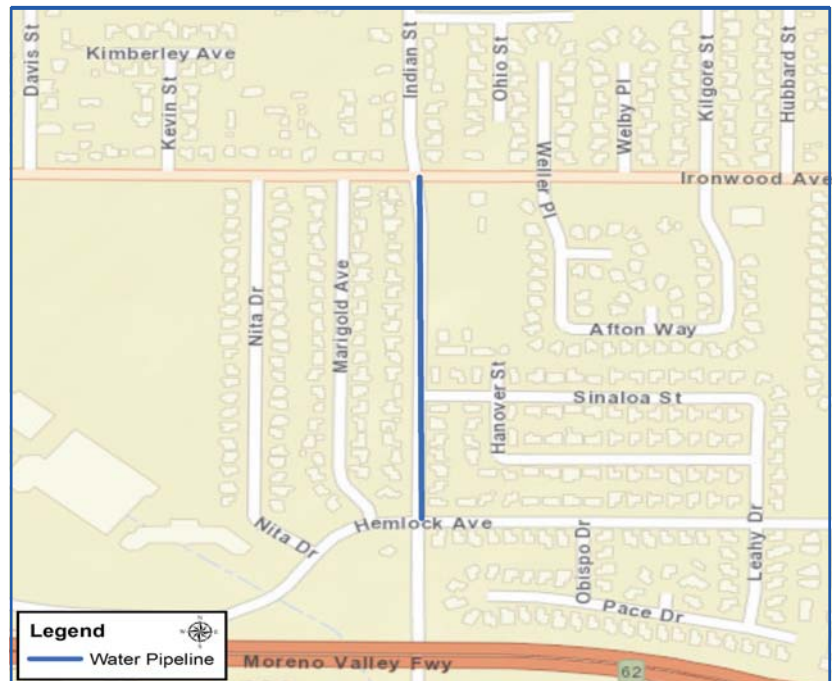
PROJECT BUDGET

- Estimated Total Project Budget: \$638,000
- Estimated Construction Budget: \$464,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Judson Tank - Site Grading

PROJECT SUMMARY

Site preparation for the Judson 2.2 MG tank located north of the northerly terminus of Judson Street in the City of Moreno Valley.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Winter 2020/2021

PROJECT BUDGET

- Estimated Total Project Budget: \$2,000,000
- Estimated Construction Budget: \$1,807,000
- 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: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno I - Iris Valve Vault Replacement

PROJECT SUMMARY

Located outside of the existing Moreno I Booster Station site.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2018
- Finish: Summer 2019

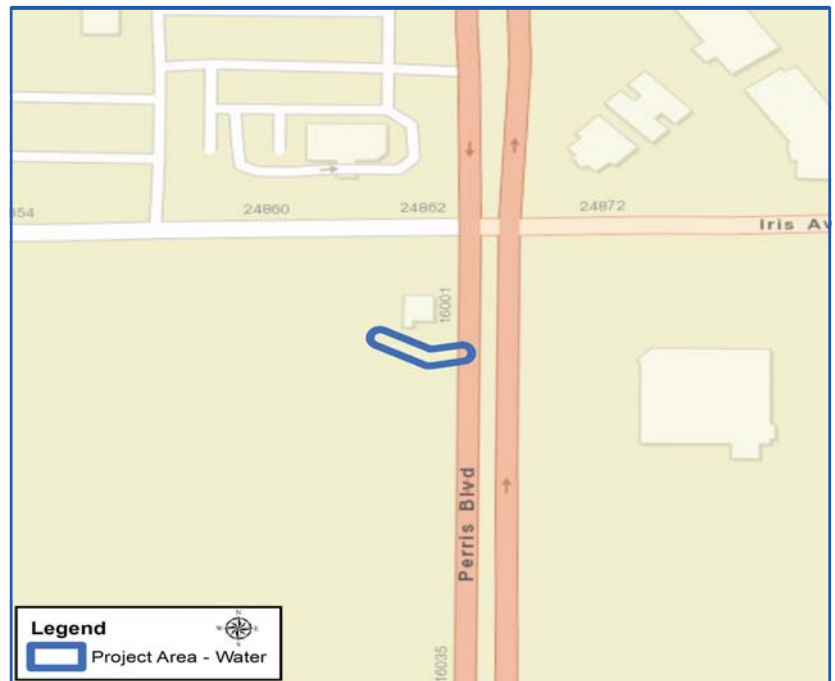
PROJECT BUDGET

- Estimated Total Project Budget: \$769,000
- Estimated Construction Budget: \$683,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Redlands and Cottonwood Booster Electrical Replacement

PROJECT SUMMARY

Design agreement amendment for electrification of Pump 4 approved on 4/18. Consultant moving forward with design.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Fall 2020

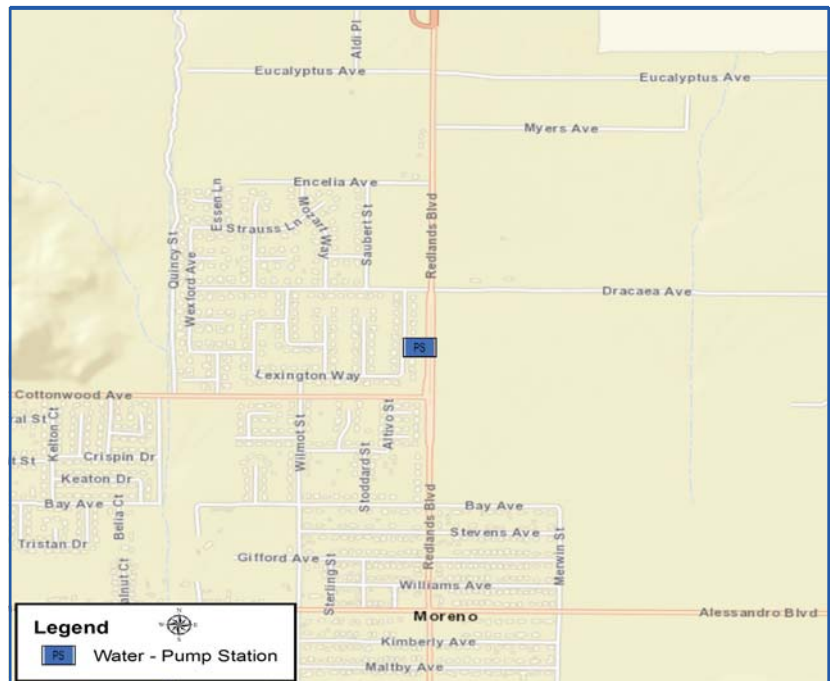
PROJECT BUDGET

- Estimated Total Project Budget: \$1,589,000
- Estimated Construction Budget: \$1,371,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Well 65 Drilling and Testing

PROJECT SUMMARY

This project is located on Ironwood Ave approximately 600 feet east of Heacock St in Moreno Valley. This well is part of the MV Groundwater program and will replace the destroyed Well 44.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2025/2026
- Finish: Summer 2026

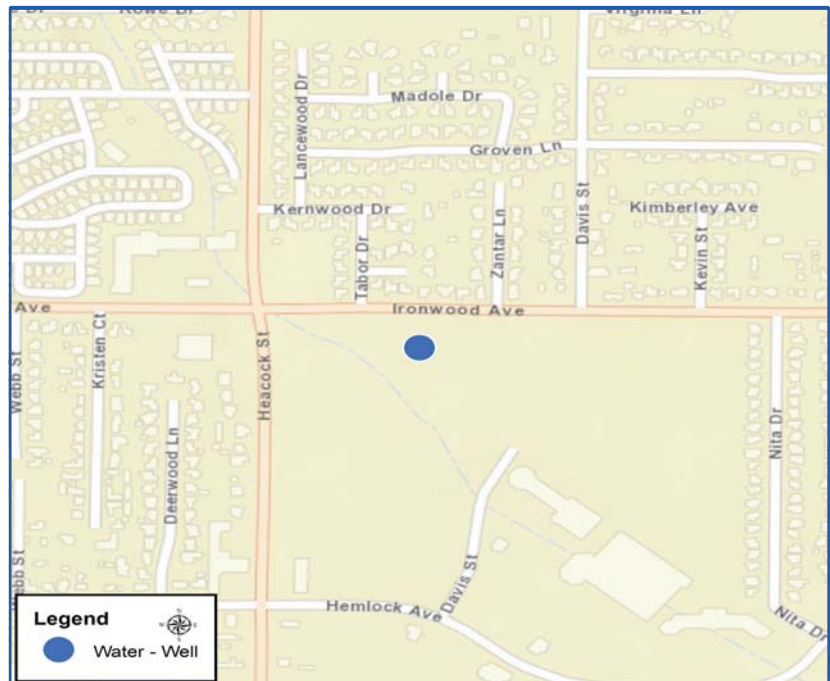
PROJECT BUDGET

- Estimated Total Project Budget: \$1,187,000
- Estimated Construction Budget: \$1,098,000
- Estimated Grant Percentage: N/A

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: John Daverin
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Day Street Lift Station Wetwell Piping Replacement

PROJECT SUMMARY

Replacement of wetwell piping at Day St. Lift located at 13434 Day St. in Moreno Valley.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Spring 2021

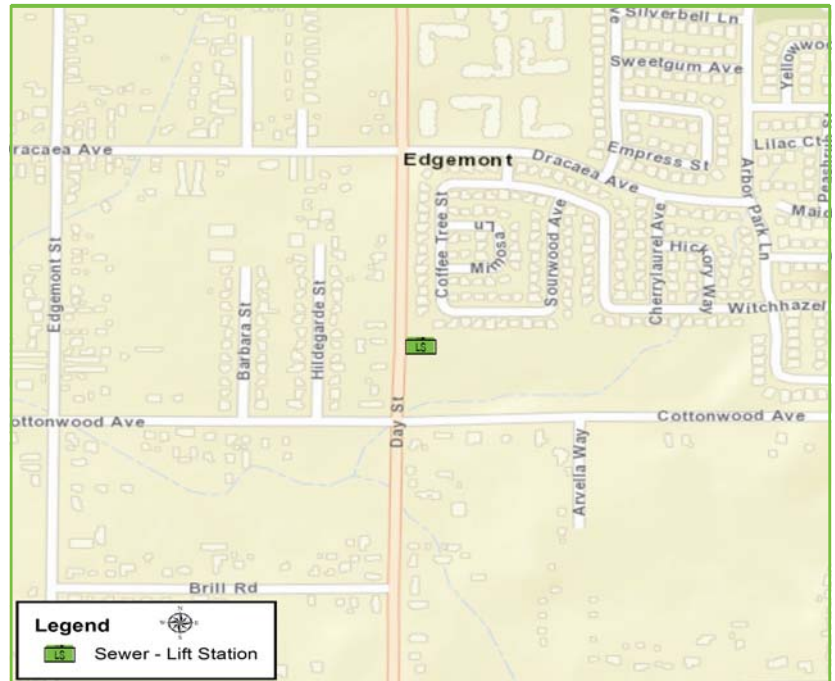
PROJECT BUDGET

- Estimated Total Project Budget: \$55,000
- Estimated Construction Budget: \$48,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Regional Water Reclamation Facility Flow Diversion

PROJECT SUMMARY

MVRWRF Flow Diversion Project will divert sewer flows from the MVRWRF to PVRWRF using existing force mains and gravity sewers. The existing facilities at the MVRWRF and sewer forcemains need to be evaluated for a flow diversion system.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Winter 2020/2021

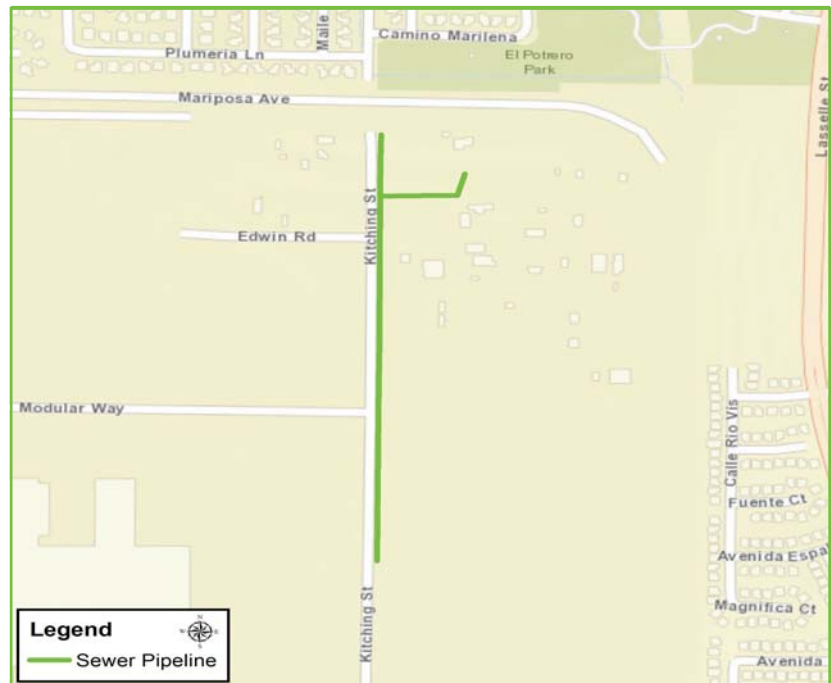
PROJECT BUDGET

- Estimated Total Project Budget: \$1,800,000
- Estimated Construction Budget: \$1,476,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Regional Water Reclamation Facility Rehabilitation - Plant 1

PROJECT SUMMARY

Staff performed a condition assessment of Moreno Valley Regional Water Reclamation Facility Plant 1 to identify rehabilitation needs and evaluated an alternative to rehabilitating Plant 1. The alternative involves equipping the second half of Plant 2. The second half of Plant 2 is currently not operational. The result of the study was a recommendation to equip Plant 2B and to defer the rehabilitation of Plant 1 until needed.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Spring 2022

PROJECT BUDGET

- Estimated Total Project Budget: \$10,616,000
- Estimated Construction Budget: \$9,698,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Regional Water Reclamation Facility Solids Handling Motor Control Center Replacement Project

PROJECT SUMMARY

At the Moreno Valley Regional Water Reclamation Facility (MVRWRF), four motor control centers (MCCs) associated with the solids handling system require replacement. These MCCs were installed between 1975 and 1986 and are nearing end of their useful lives. Parts for these MCCs are no longer available from the original manufacturers and replacement of the MCCs is needed to increase the overall reliability of the MVRWRF.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2020
- Finish: Fall 2021

PROJECT BUDGET

- Estimated Total Project Budget: \$2,443,000
- Estimated Construction Budget: \$2,050,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Regional Water Reclamation Facility Motor Control Center Replacement

PROJECT SUMMARY

This project will replace the motor control center for the effluent pump station located at the Moreno Valley Regional Water Reclamation Facility on Kitching Street.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2019
- Finish: Summer 2020

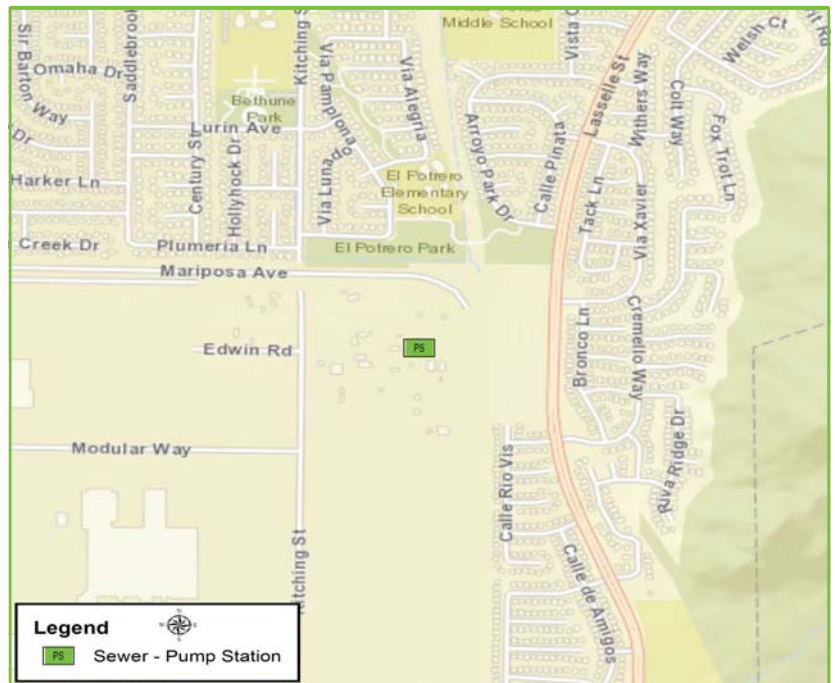
PROJECT BUDGET

- Estimated Total Project Budget: \$2,800,000
- Estimated Construction Budget: \$2,296,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Regional Water Reclamation Facility Equalization

PROJECT SUMMARY

This project will improve equalization of the tertiary effluent system at the Moreno Valley Regional Water Reclamation Facility. This project is to perform the final design for interconnecting the TEPS wet well with existing onsite tertiary storage ponds in order to increase the capacity of the Tertiary Effluent Pump Station (TEPS) wet well volume from approximately 0.25 MGD to 8.75 MGD. MVRWRF- 17140 Kitching St., Moreno Valley, CA 92551

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2019
- Finish: Winter 2020/2021

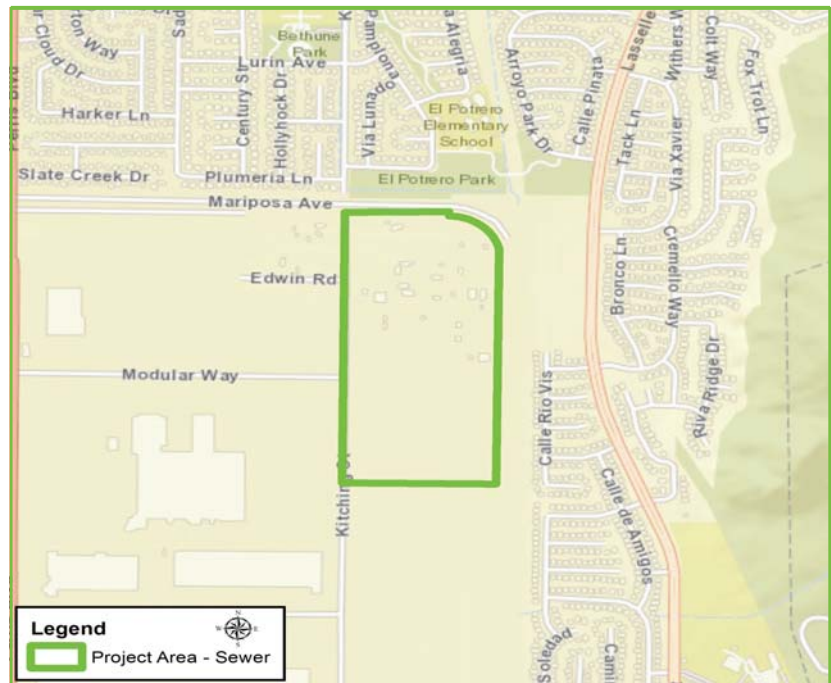
PROJECT BUDGET

- Estimated Total Project Budget: \$5,015,000
- Estimated Construction Budget: \$4,434,000
- Estimated Grant Percentage: 25%

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



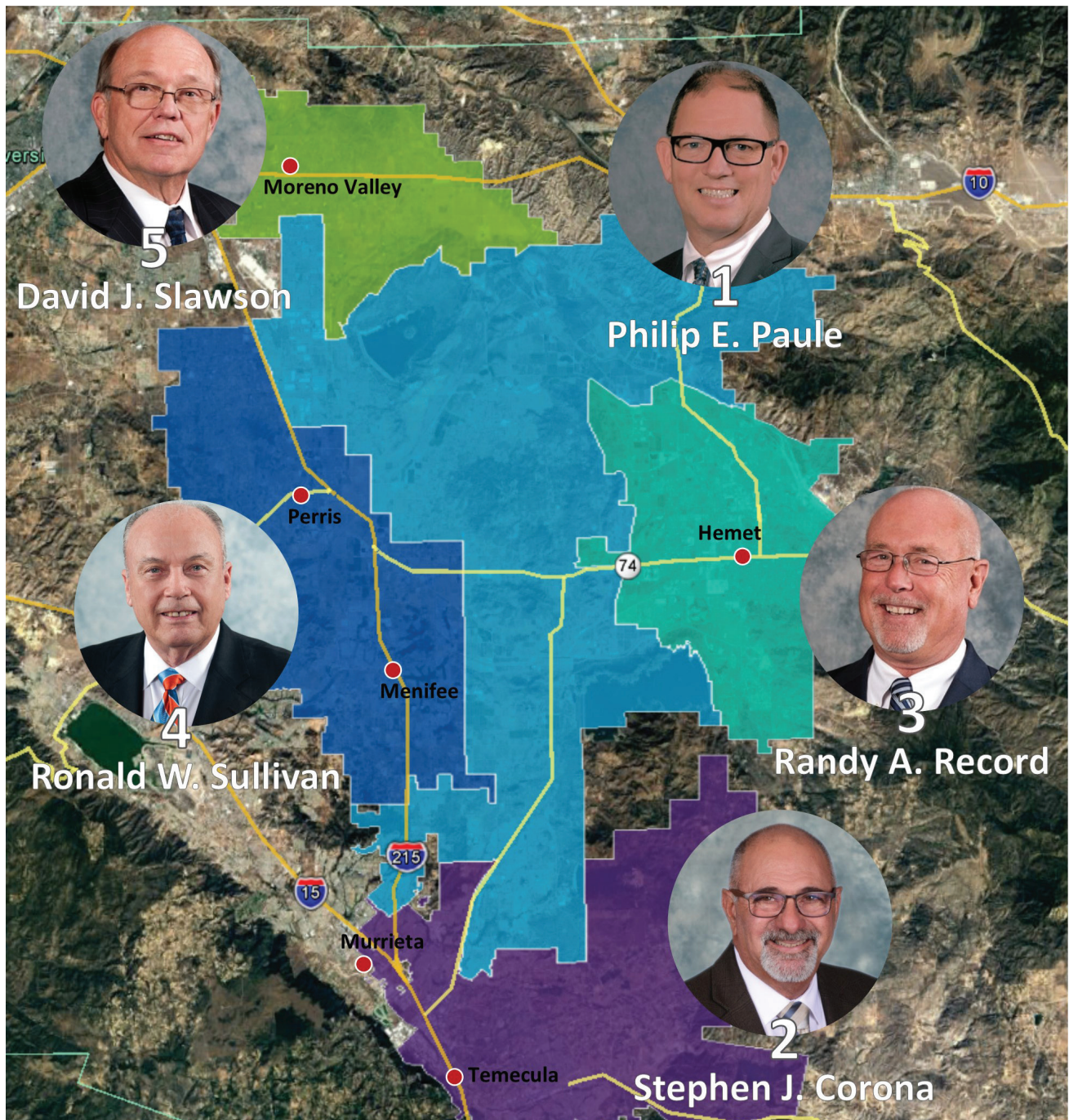
MORE INFORMATION

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

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Multi-Division Projects

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



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2018 Potable Water Hydraulic Model Update

PROJECT SUMMARY

New facilities constructed through 2017 (including the backlog of as-built drawings) will be added to the model. In addition, existing and projected demands will be updated using 2017 COINS data. Model clean-up and updates will be summarized in a TM. The model update will be completed in early 2019.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

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

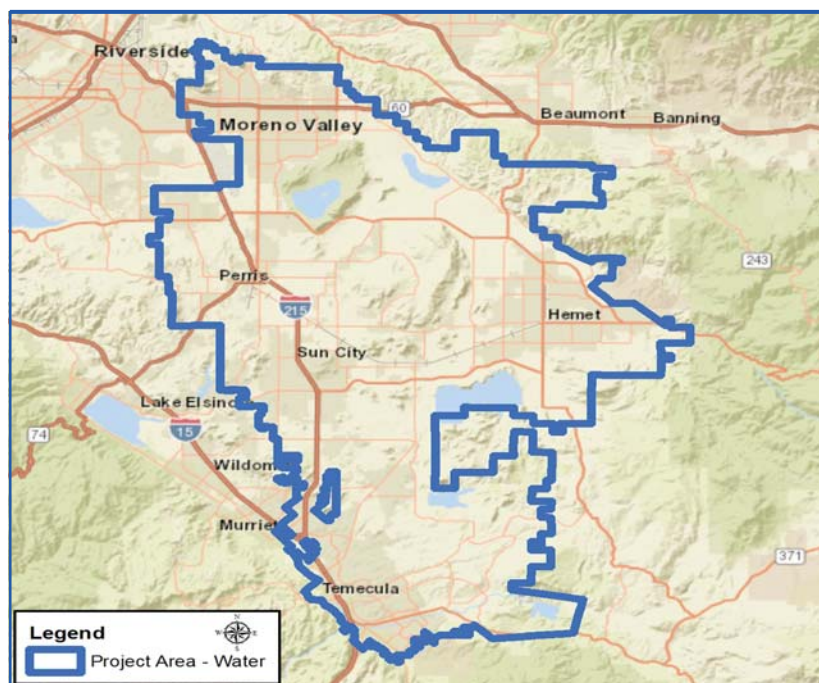
PROJECT BUDGET

- Estimated Total Project Budget: \$66,000
- Estimated Construction Budget: N/A
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Laura Barraza
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Dunlap Drive / Romoland Feeder Water Pipeline Replacements

PROJECT SUMMARY

Replace 6,600 LF of 12-inch pipeline, along Dunlap Drive between Lemon Ave and San Jacinto Ave in the City of Perris. The Romoland Feeder Replacement consists of 2,500 LF along Dunlap Drive from Lemon Ave to Citrus Ave and east 1,000 feet on Citrus Ave. With this construction of this 42-inch pipeline, 1,500 LF of cross country 36-inch pipeline will be abandoned.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2018
- Finish: Summer 2019

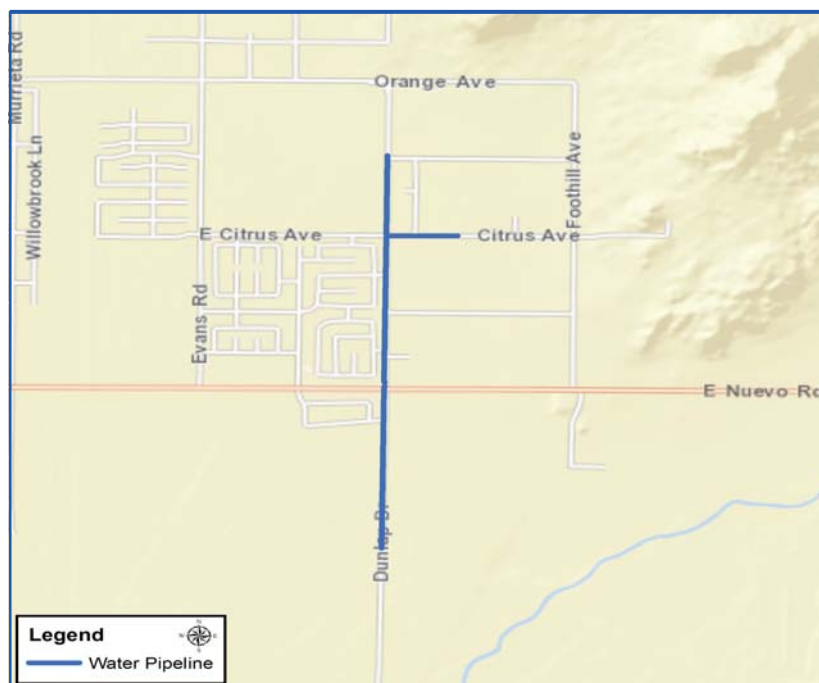
PROJECT BUDGET

- Estimated Total Project Budget: \$4,489,000
- Estimated Construction Budget: \$4,003,000
- 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

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

March Air Reserve Base Groundwater Recovery Program

PROJECT SUMMARY

In support of the MARB Groundwater Recovery Program, this feasibility study will investigate and quantify the potential benefits of reducing rising groundwater under MARB through the construction of production wells to the north and east of the base. This element of the work includes groundwater modeling of the potential production wells.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

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

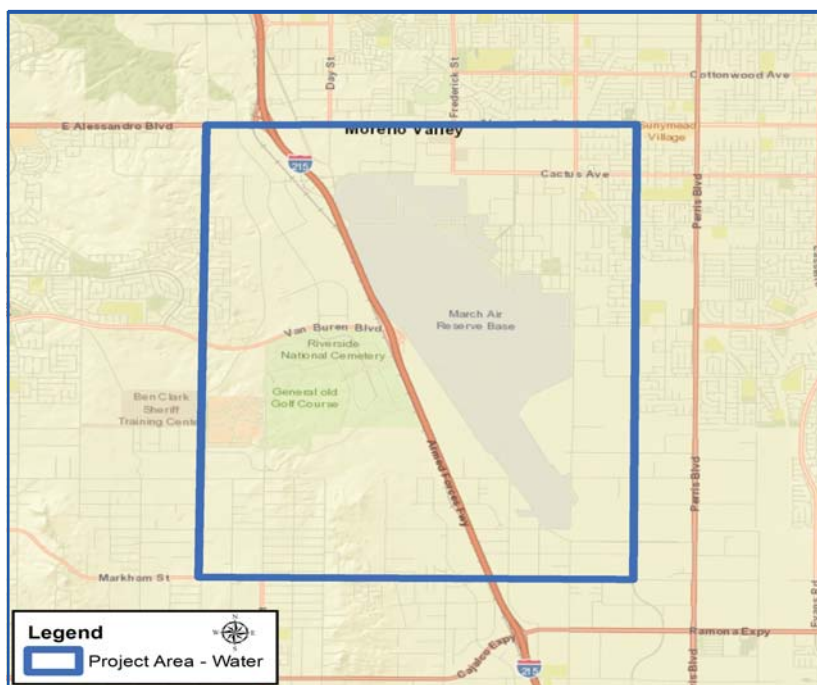
PROJECT BUDGET

- Estimated Total Project Budget: \$170,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: John Daverin
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Pettit Regulated Pressure Zone

PROJECT SUMMARY

The targeted area is generally confined between north of Cactus Ave., and south of Cottonwood Ave., between Heacock Ave. and Lasselle St. in the City of Moreno Valley. Pipelines, Valves and Controllers will be installed to create a new pressure zone by converting a portion of the Moreno PZ (1680 PZ) to be regulated from the Pettit PZ (1764 PZ). The new Hydraulic Grade Line will be approximately 1723 ft.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2019/2020
- Finish: Winter 2021/2022

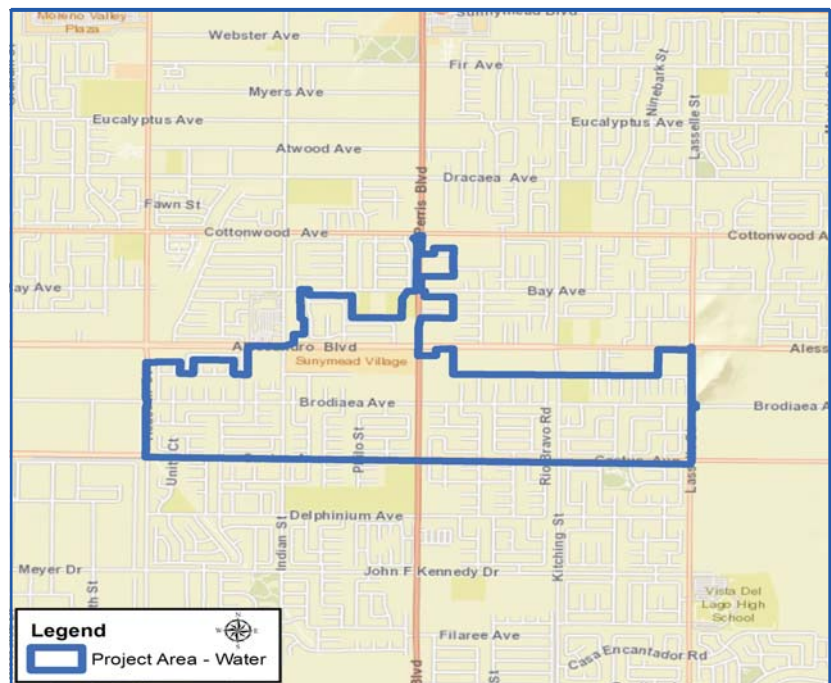
PROJECT BUDGET

- Estimated Total Project Budget: \$2,790,000
- Estimated Construction Budget: \$2,347,000
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Pump Electrification Project - Phase I

PROJECT SUMMARY

This Design/Build project will convert the existing natural gas engine pump drives to electric motors at the Heacock/Pettit (4) and Oleander (1) Booster Pump Stations. Both sites are located in the City of Moreno Valley. The engines will be replaced with premium-efficient electric motors.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2017
- Finish: Fall 2019

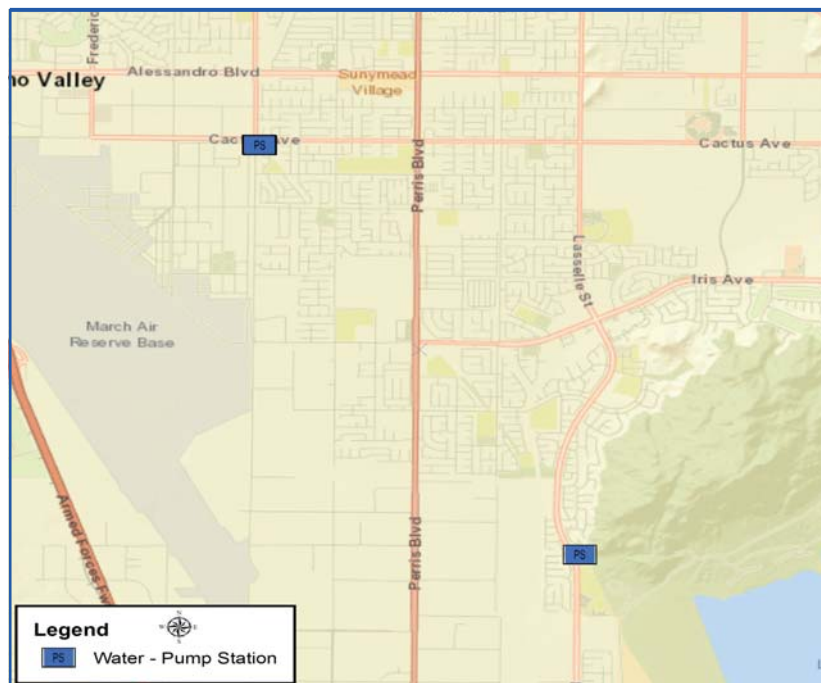
PROJECT BUDGET

- Estimated Total Project Budget: \$5,123,000
- Estimated Construction Budget: \$4,076,000
- 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

- CONTACT: Amanda Fine
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Water System Reliability Analysis

PROJECT SUMMARY

The study will evaluate potential capital projects to improve the water distribution system reliability to meet customer demands during major supply outages over the next 20 years.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

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

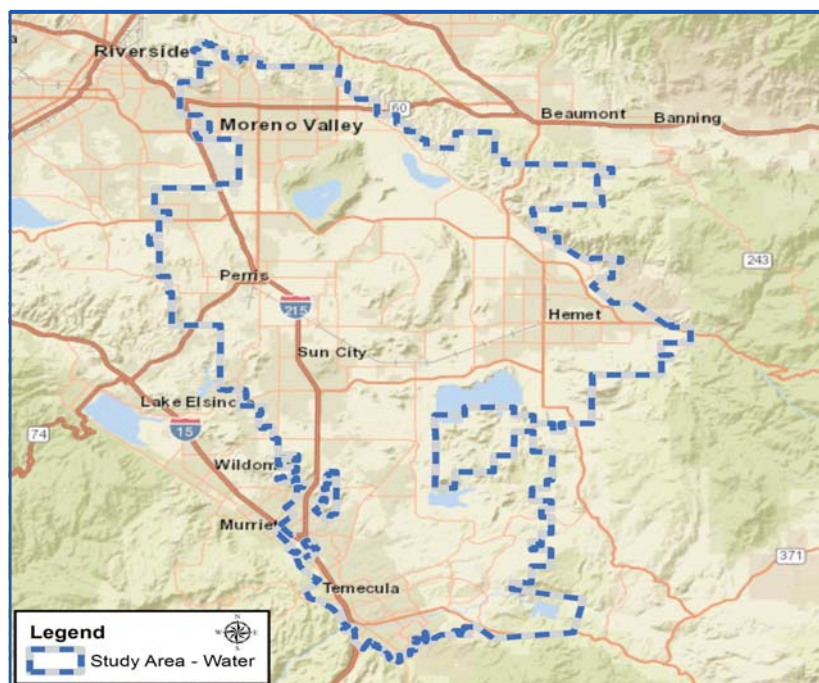
PROJECT BUDGET

- Estimated Total Project Budget: \$335,000
- Estimated Construction Budget: N/A
- 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

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Laura Barraza
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Lake Perris Sewer Siphon Abandonment

PROJECT SUMMARY

This project will divert sewer flows into an adjacent downstream sewer system and abandon-in-place the sewer siphon. Sewer lines run from the Lake Perris State Recreation Area to the Moreno Valley RWRf.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2019
- Finish: Fall 2019

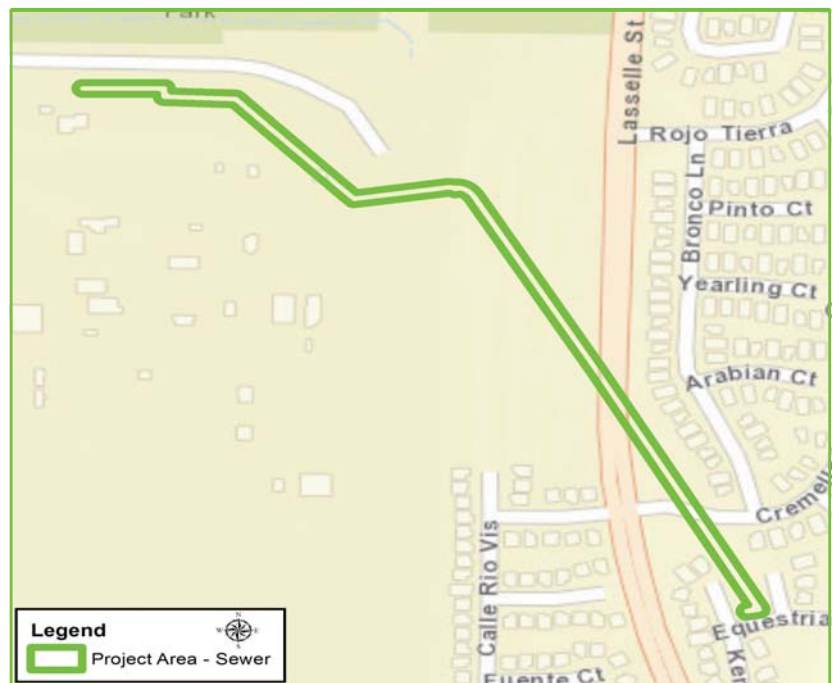
PROJECT BUDGET

- Estimated Total Project Budget: \$247,000
- Estimated Construction Budget: \$161,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Edward Serna Jr
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Regional Water Reclamation Facilities Disinfection System Conversion

PROJECT SUMMARY

This project will convert the disinfection chemical at MV, PV, and SJV RWRf's from chlorine gas to sodium hypochlorite to address potential inherent safety concerns associated with storage and delivery of chlorine gas

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2017
- Finish: Spring 2019

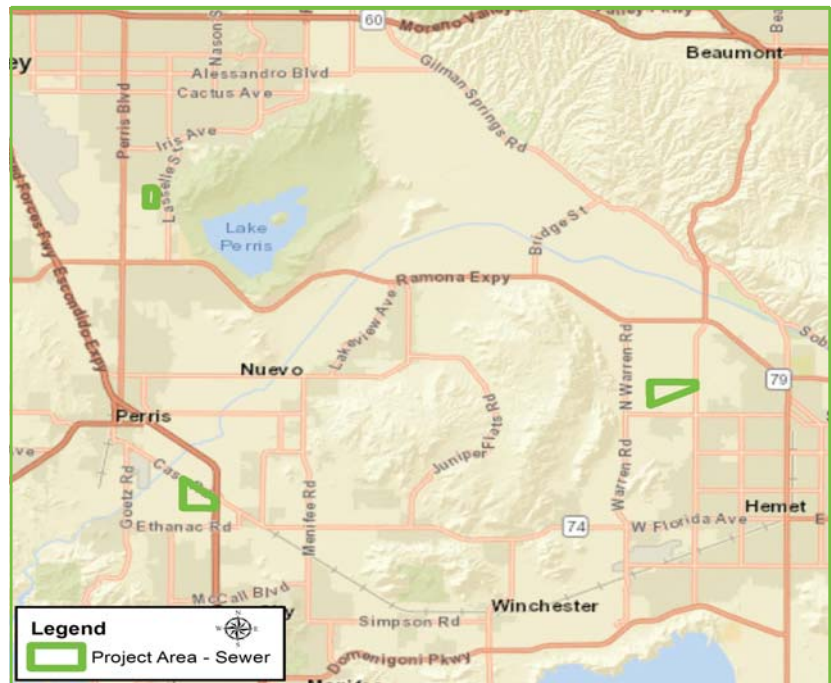
PROJECT BUDGET

- Estimated Total Project Budget: \$4,910,000
- Estimated Construction Budget: \$4,268,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

PROJECT SUMMARY

This project will replace approximately 2,400 existing light fixtures with energy efficient LED fixtures. Locations are PVRWRF - 1301 Case Rd, Perris, CA and MVRWRF - 17140 Kitching St., Moreno Valley, CA

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2018
- Finish: Spring 2019

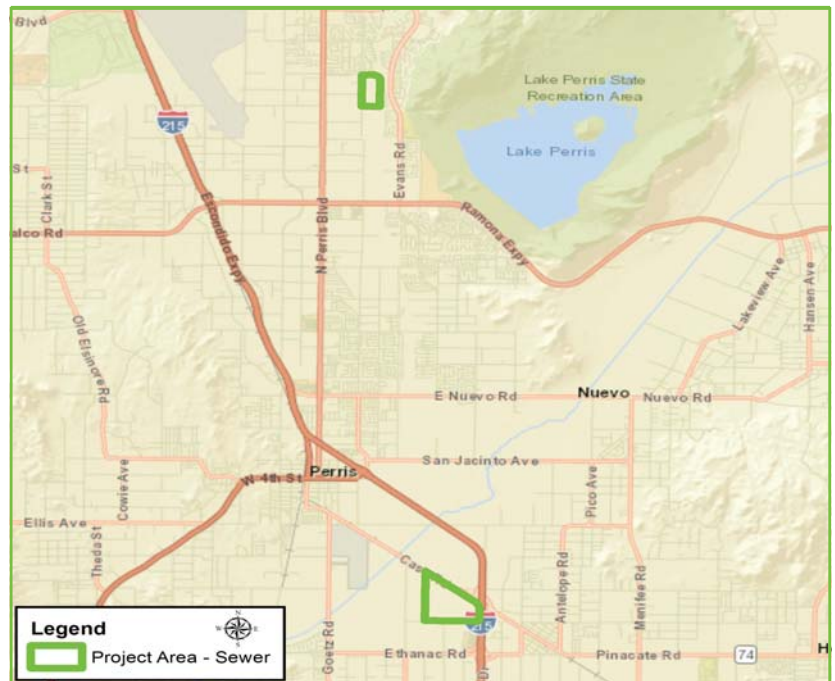
PROJECT BUDGET

- Estimated Total Project Budget: \$1,460,000
- Estimated Construction Budget: \$1,421,000
- Estimated Grant Percentage: 50%

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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Regional Water Reclamation Facility Blower Electrification

PROJECT SUMMARY

Convert existing engine-driven blowers at the MVRWRF, SJVRWRF and TVRWRF to electric motor-driven blowers to address South Coast Air Quality Management District's Rule 1110.2 emissions requirements that will be effective in 2019.

CURRENT STATUS: **Bid / Construction**

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2019
- Finish: Summer 2020

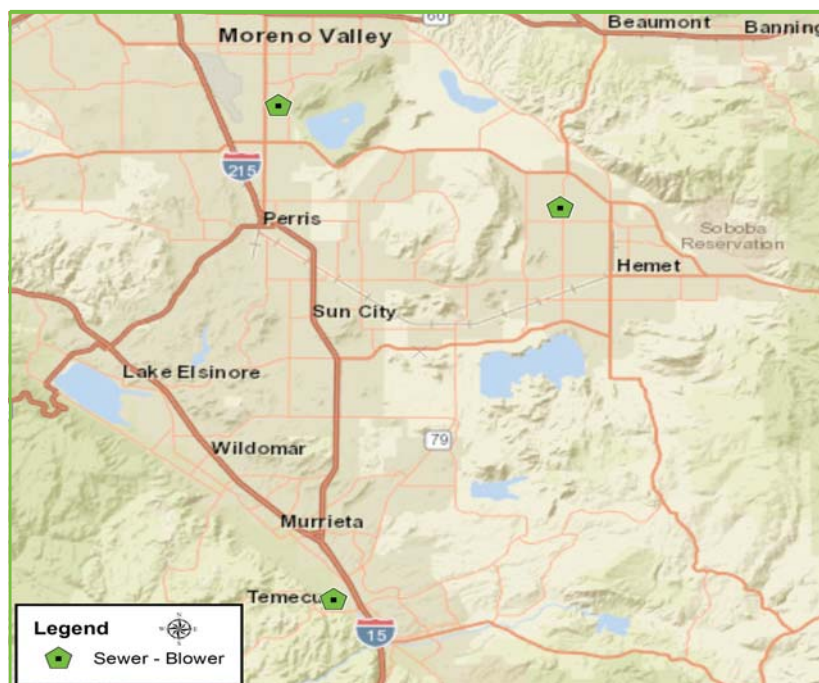
PROJECT BUDGET

- Estimated Total Project Budget: \$13,699,000
- Estimated Construction Budget: \$9,518,000
- 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
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Regional Water Reclamation Facility Nutrient Loading and Treatment Evaluation

PROJECT SUMMARY

2015 RWRF 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 BOD, TSS, and ammonia.

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

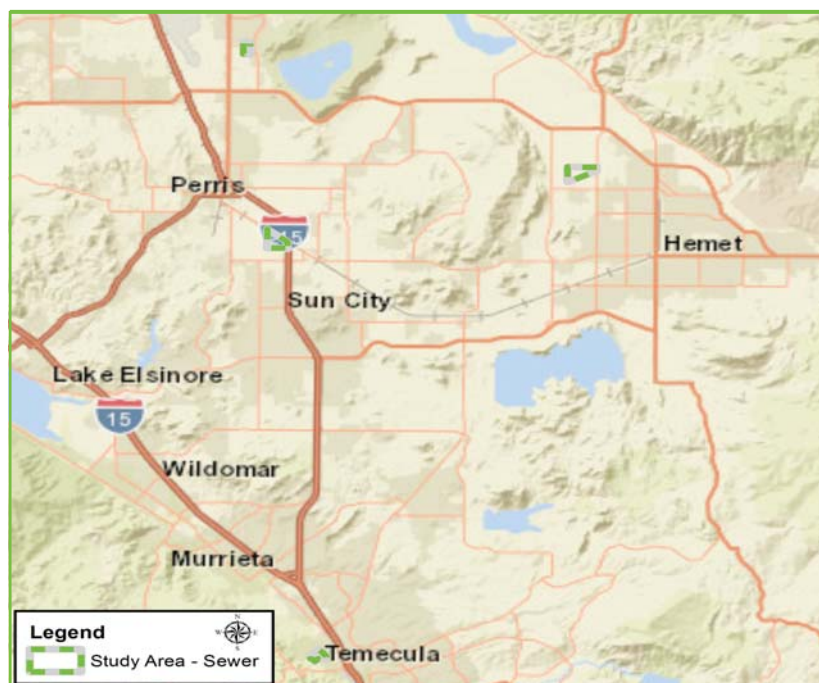
PROJECT BUDGET

- Estimated Total Project Budget: \$35,000
- 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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Regional Water Reclamation Facility Side Stream Treatment Planning

PROJECT SUMMARY

The intent of the project is that of developing an approach for nutrient removal using side stream treatment rather than a general and ambiguous title of "nutrient removal". The project focus will expand to include PVRWRF, TVRWRF, and SJVRWRF. Each of these sites have side stream treatment planned within the existing CIP but the project approach for each site has yet to be determined. The PVRWRF Side Stream Treatment Planning effort will determine the method for implementing nutrient removal using side stream treatment of centrate and/or filtrate at the PVRWRF, TVRWRF, and SJVRWRF. The effort will select the technology to be applied, estimate the cost of implementation, as well as, schedule for implementation considering the lead to deliver projects at each site and the current estimated need by date based on increasing loading rates.

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

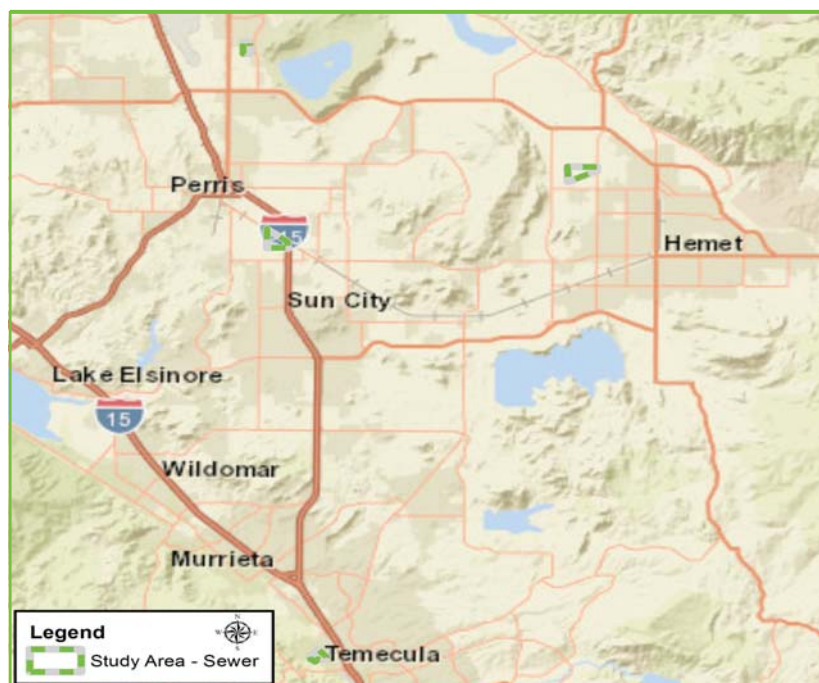
PROJECT BUDGET

- Estimated Total Project Budget: \$233,000
- 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: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: Erik Jorgensen
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Existing Non-Potable Wells Conversion Study

PROJECT SUMMARY

Study to evaluate existing non-potable wells that could be converted to provide a summer augmentation supply to the recycled water system. The area of study includes the Perris North and Perris South Groundwater Management Zones.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

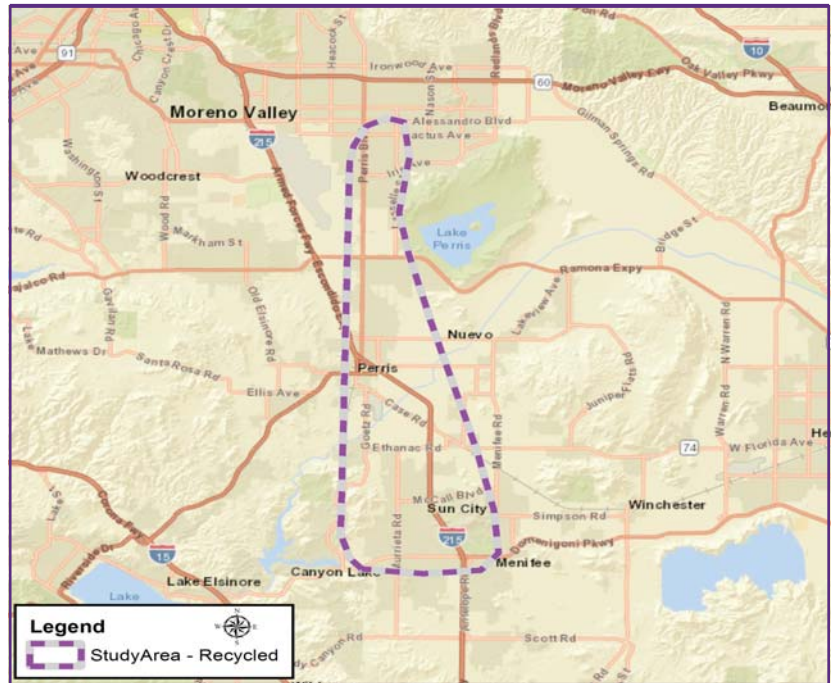
PROJECT BUDGET

- Estimated Total Project Budget: \$50,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

Recycled water storage plays a critical role in providing year-round reliability and reducing reliance on drinking water supplies by allowing recycled water to be stored in cooler months when demand is low and available for use during months where demand is greater than production.

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

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

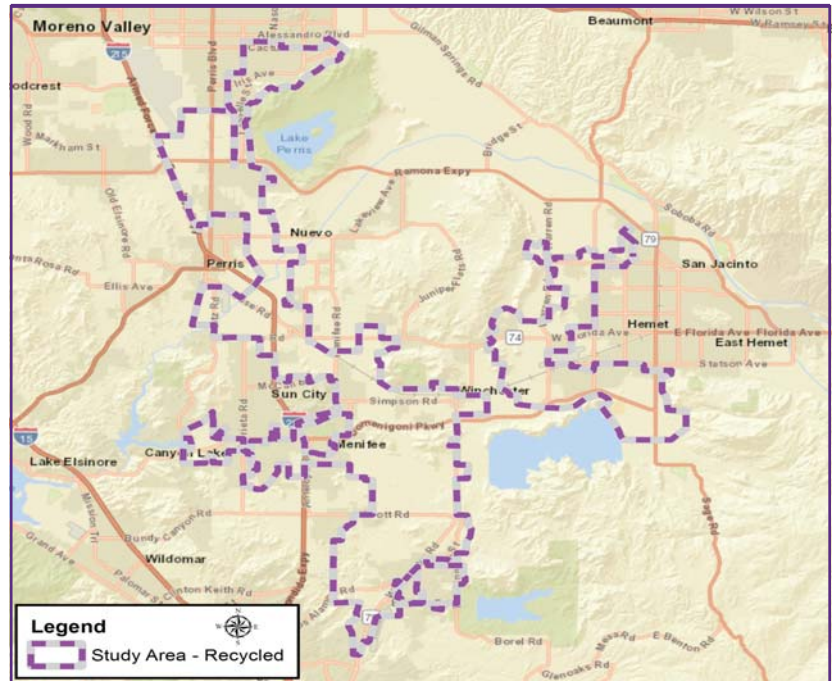
PROJECT BUDGET

- Estimated Total Project Budget: \$189,000
- 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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Winchester Recycled Water Pipeline Corrosion Protection

PROJECT SUMMARY

The Winchester Recycled Water Pipeline extends 15.6 miles along Winchester and Leon Road from Diaz Rd (Temecula) to Winchester Ponds in Menifee. The project will install corrosion protection controls to maintain the useful life of the pipeline.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Spring 2021

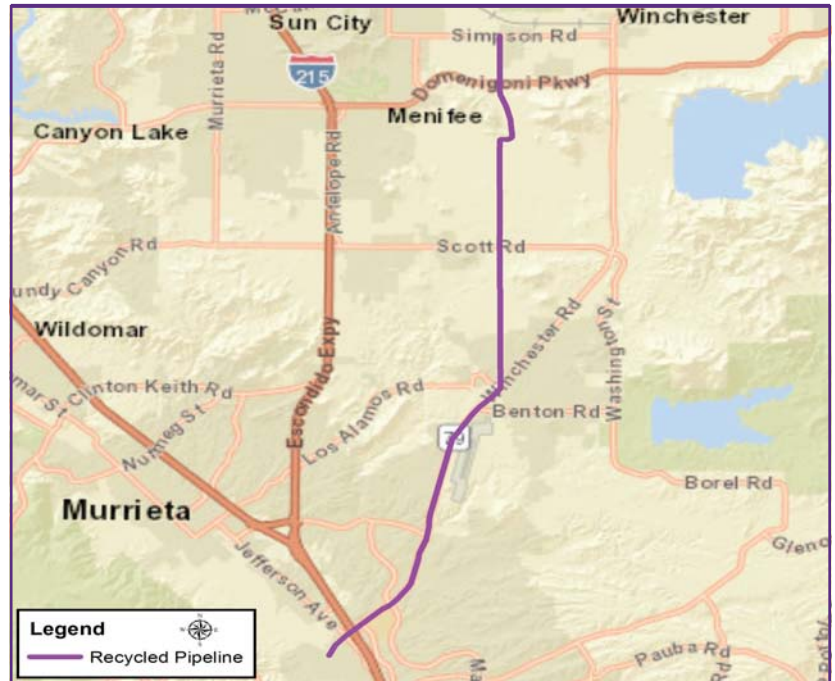
PROJECT BUDGET

- Estimated Total Project Budget: \$1,090,000
- Estimated Construction Budget: \$800,000
- 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: Kevin Pearson
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4219
- EMAIL: pearsonk@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Pipeline Corrosion Protection Program

PROJECT SUMMARY

A planning study to determine the steps to develop a Corrosion Protection Program.

CURRENT STATUS: **Planning**

ESTIMATED CONSTRUCTION SCHEDULE

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

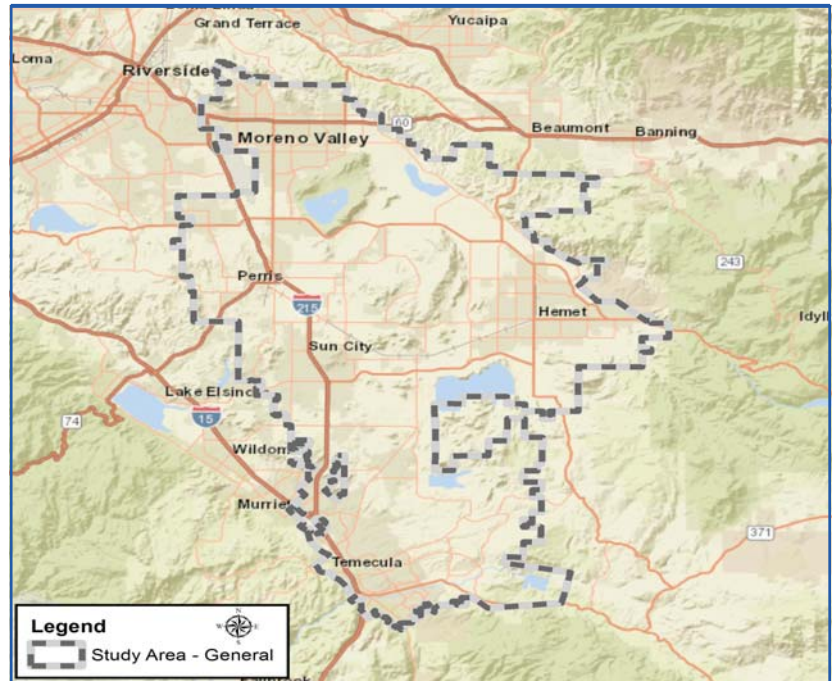
PROJECT BUDGET

- Estimated Total Project Budget: \$270,000
- Estimated Construction Budget: N/A
- 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
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

Solar Renewable Energy Initiative - Phase III

PROJECT SUMMARY

This project advances the next phase of solar power generation opportunities at the District through SCE'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 2020

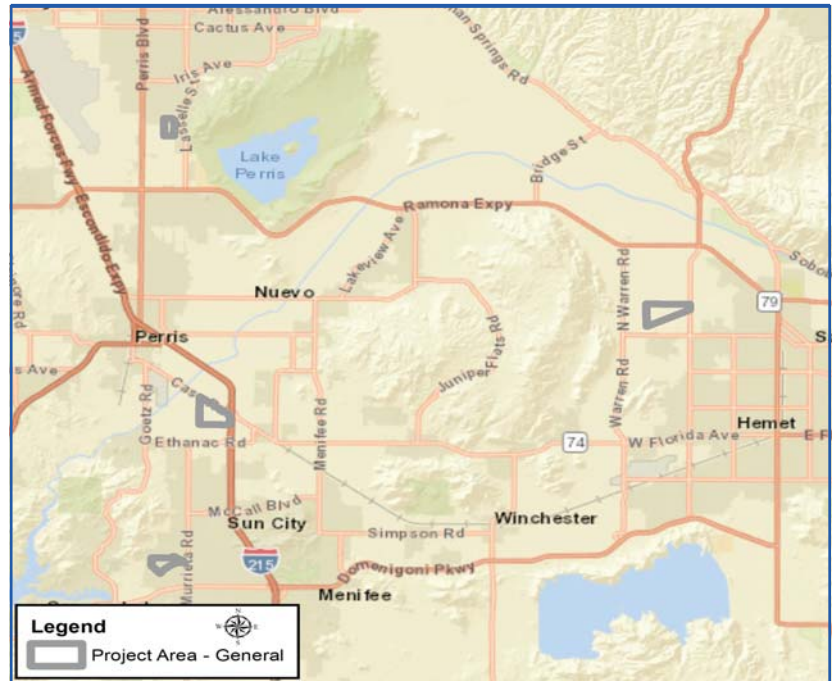
PROJECT BUDGET

- Estimated Total Project Budget: \$10,098,000
- Estimated Construction Budget: \$8,485,000
- Estimated Grant Percentage: 100%

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
Senior Public Affairs Officer
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountre@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER:
Director Multiple
Division No. M

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SERVING
OUR COMMUNITY
TODAY AND
TOMORROW