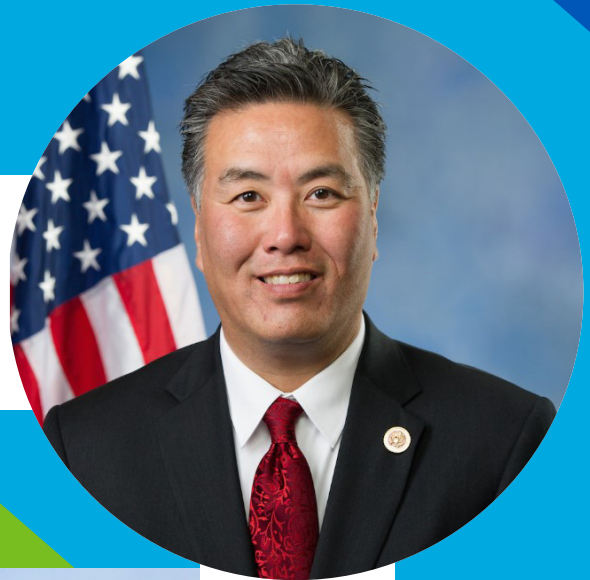


Capital Improvement Program FY 2022-23



Rep. Mark Takano (CA-41)

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 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 558 square mile service area. This extensive and robust infrastructure is developed with well-managed and cost-effective solutions at the forefront throughout the planning, design, and construction process.

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

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

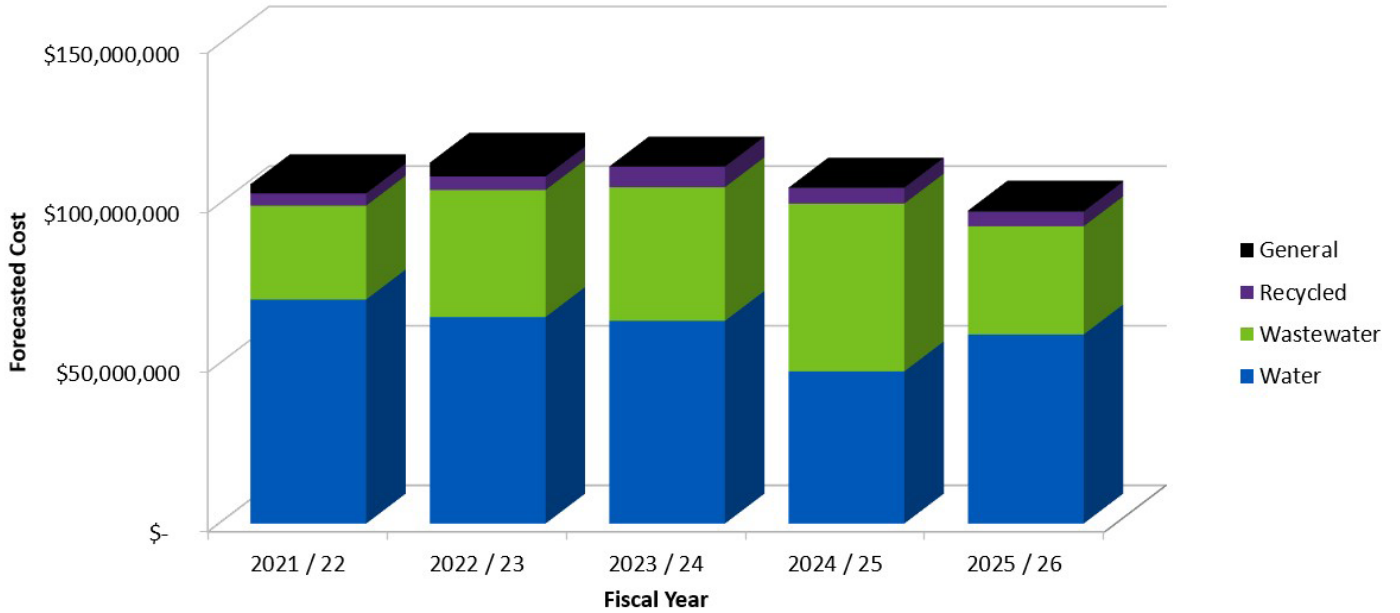
The projects in the CIP are tracked during the current year and the entire five year program is reviewed and revised on an annual basis. During the annual review, projects are added, deferred or deleted based on current growth projections and any newly identified requirements are prioritized into the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



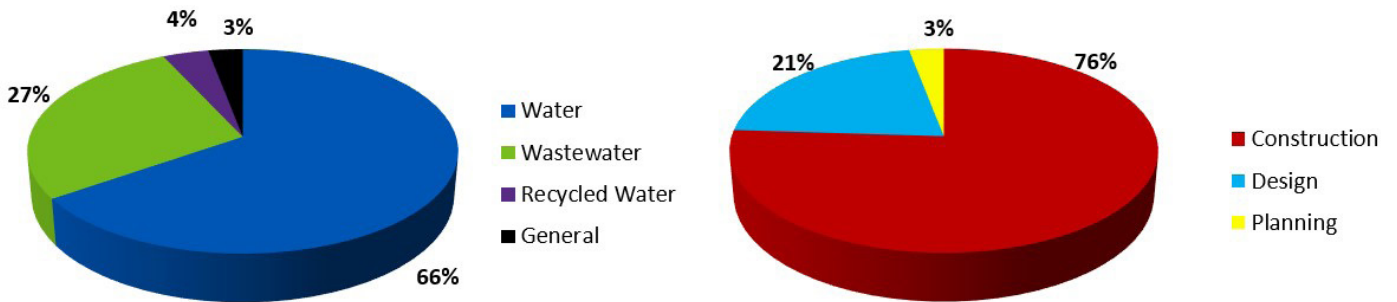
Mountain Avenue West Groundwater Replenishment Basins

Capital Improvement Program Summary

2021 – 2026 Overview

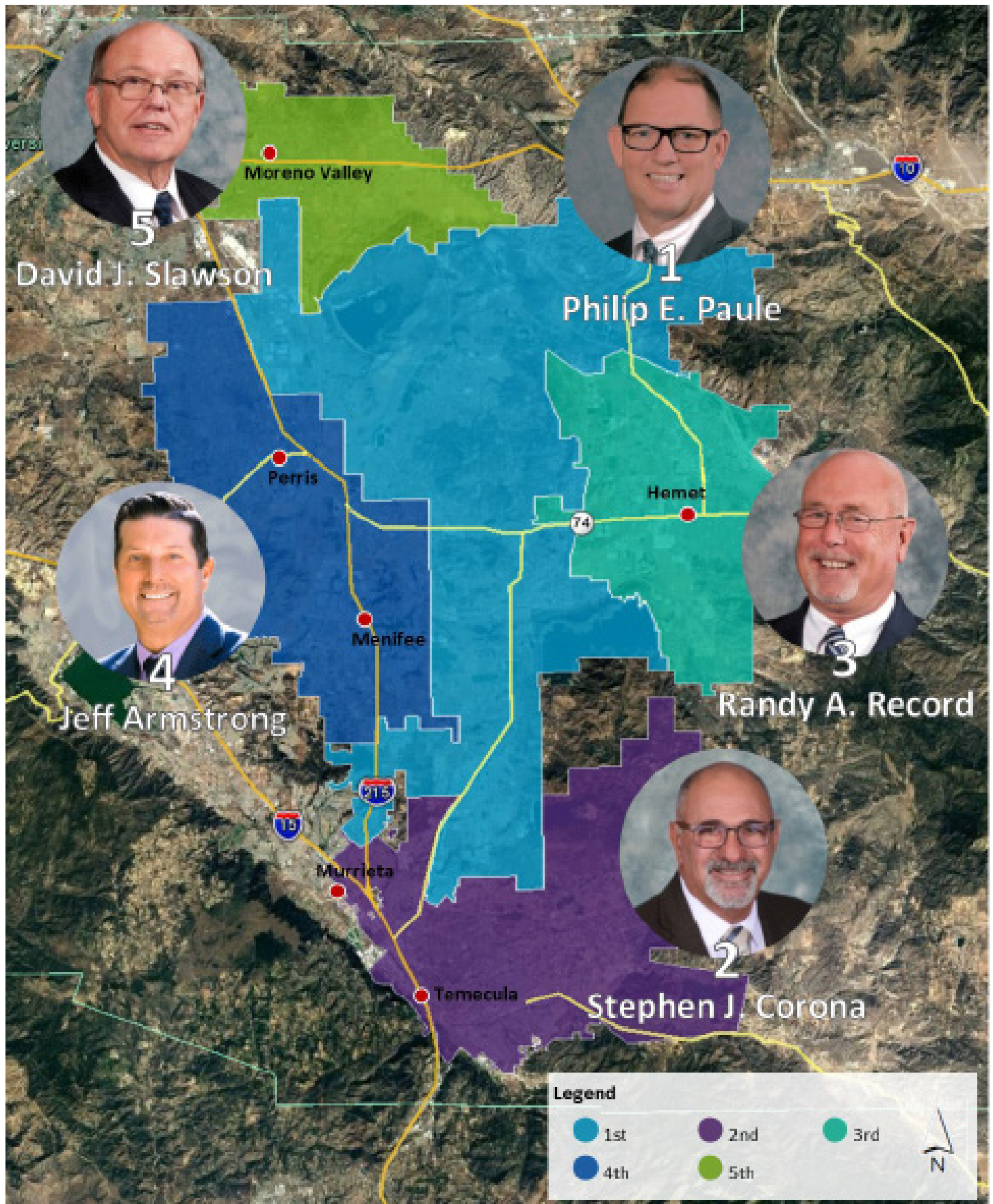


FY 2021 / 2022 Overview

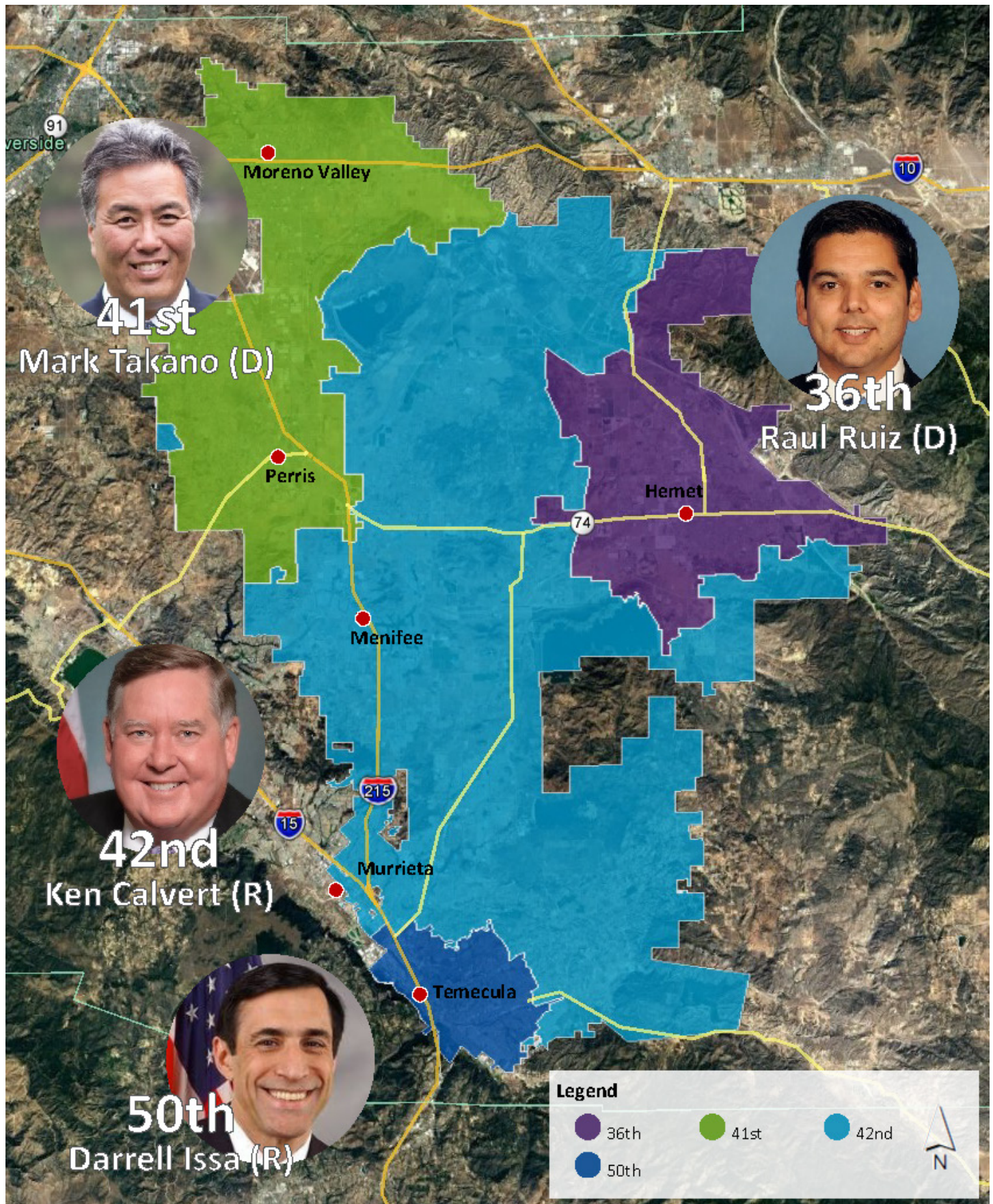


PROJECT TYPE	COUNT	2021 – 22 (\$ Million)
WATER	94	\$70.2 Mil
WASTEWATER	62	\$29.4 Mil
RECYCLED	17	\$3.8 Mil
GENERAL	8	\$2.9 Mil
TOTAL	181	\$106.3 Mil

Board Member Divisions



Congressional Districts



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Cactus II Feeder Phase I Pipeline

PROJECT SUMMARY

The Cactus II Feeder consists of approximately two (2) miles of 42-inch to 30-inch diameter pipe extending from the end of the Cactus I Feeder at Heacock Street and Cactus Avenue, east along Alessandro Boulevard, then south to the intersection of Cactus Avenue and Moreno Beach Drive in the City of Moreno Valley. Phase 1 consists of approximately 8,100 feet of 42-inch pipe along Cactus Avenue between Heacock Street and Indian Street, along Indian Street between Cactus Avenue and Alessandro Boulevard, along Alessandro Boulevard between Indian Street and Perris Boulevard, and along Perris Boulevard between Alessandro Boulevard and Saint Christopher Lane.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2021
- Finish: Spring 2023

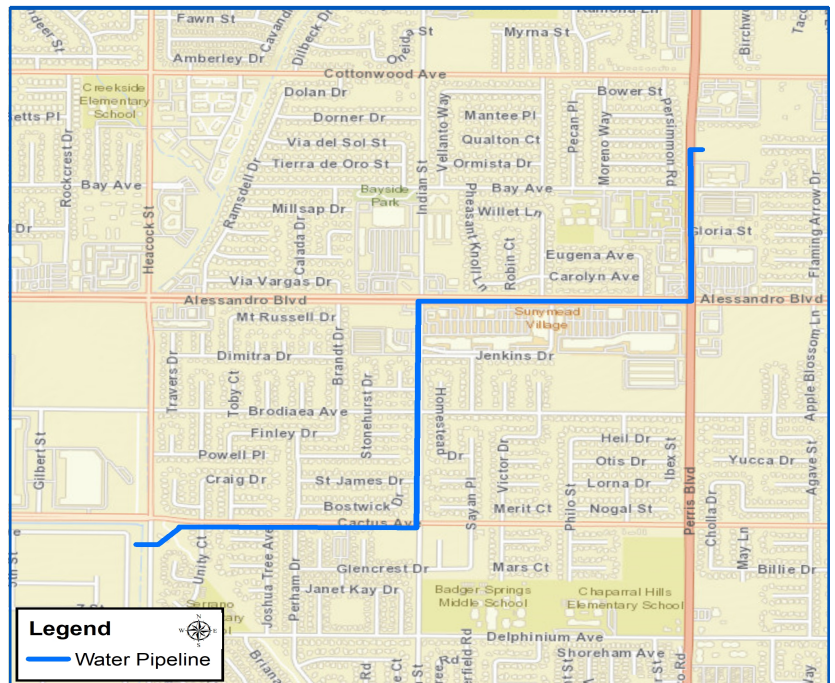
PROJECT BUDGET

- Estimated Total Project Budget: \$18,474,000
- Estimated Construction Budget: \$14,916,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

City of Perris Water Sewer System Consolidation

PROJECT SUMMARY

Due diligence to determine City of Perris Water and Sewer Systems acquisition feasibility by Eastern Municipal Water District. Consulting services with V&A Engineering for water and sewer system condition assessment, and Wagner & Bonsignore for analysis of available water rights. City of Perris to participate at 50% cost share.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

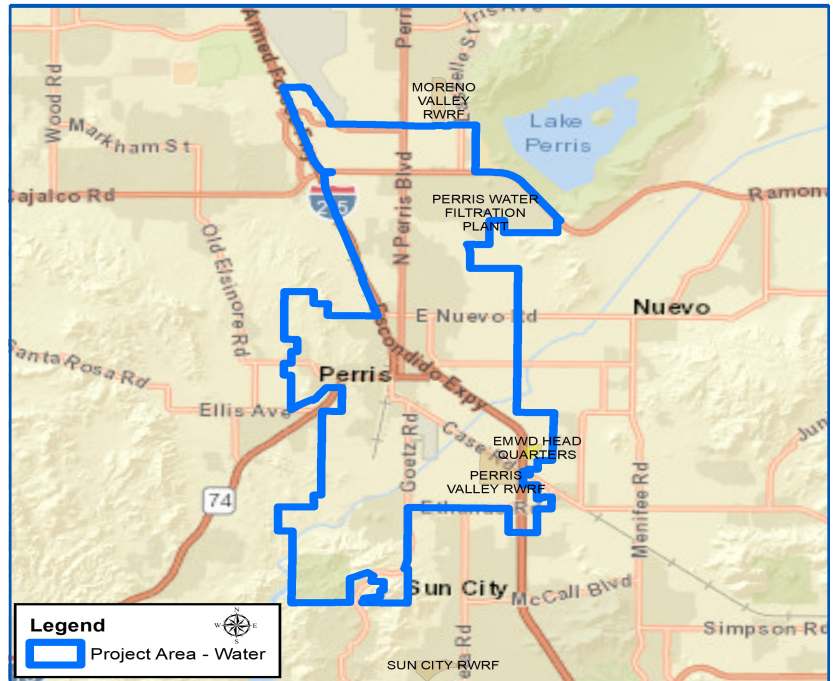
PROJECT BUDGET

- Estimated Total Project Budget: \$299,000
- 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: Amanda Fine
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4206
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- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Dale Pipeline Project

PROJECT SUMMARY

Along Alta Vista Drive (currently a paper street) within a dormant, undeveloped tract (TR 20185) in the City of Moreno Valley. This project consists of the construction of 1,700 LF of 18-inch pipeline connecting the existing 12-inch diameter pipeline at Kitching Street to the existing 18-inch diameter pipeline at Alta Vista Drive.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2025
- Finish: Winter 2026/2027

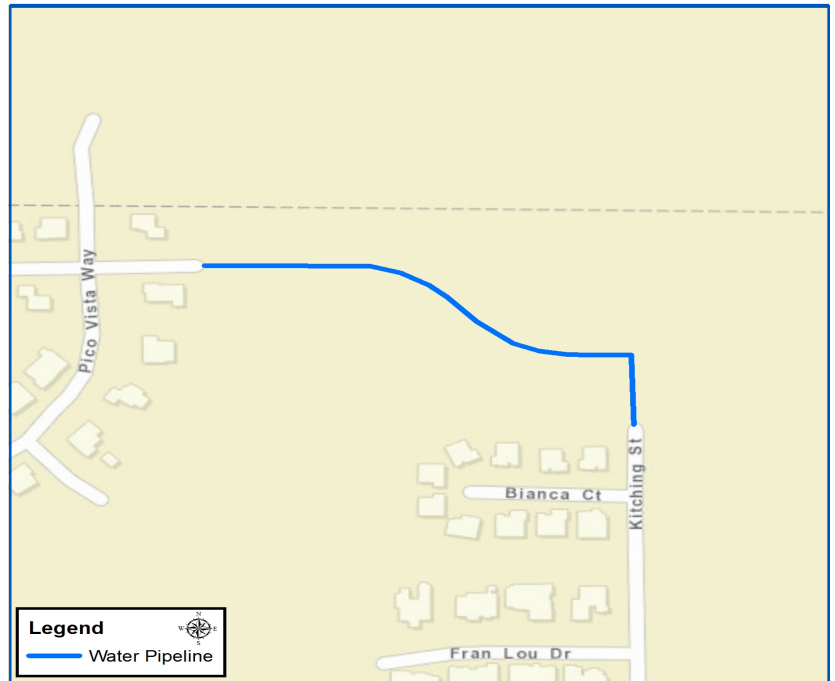
PROJECT BUDGET

- Estimated Total Project Budget: \$1,853,000
- Estimated Construction Budget: \$1,482,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
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- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Eucalyptus Booster Station Project

PROJECT SUMMARY

The Eucalyptus Booster Pump Station (BPS) will be constructed on Eucalyptus Avenue, east of Nason Street, to replace the Elder Booster Pump Station. Both sites are located in the city of Moreno Valley and serve the 1967 Kalmia Pressure Zone. The Eucalyptus Booster Pump Station will have three (3) electric (1750 GPM) pumps and a 400kW standby diesel generator. The facility is located at 27521 Eucalyptus Avenue in Moreno Valley, California.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2020
- Finish: Fall 2022

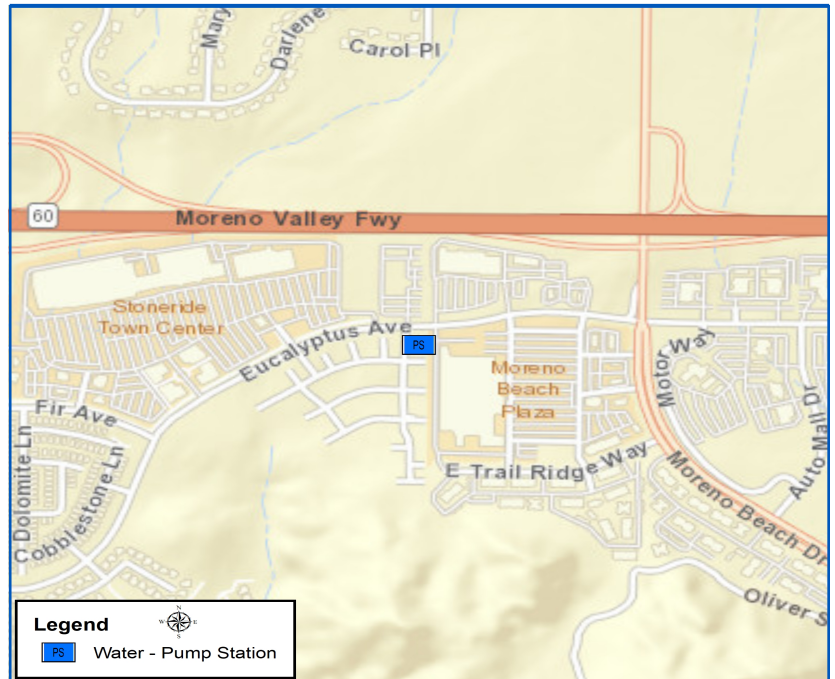
PROJECT BUDGET

- Estimated Total Project Budget: \$6,059,000
- Estimated Construction Budget: \$4,825,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Goetz Road Tank

PROJECT SUMMARY

The Goetz Road Storage Tank will be located on an acquired parcel on the northeast corner of Goetz Road and Sotelo Road in Perris, California. The project involves the construction of an eight million gallon concrete tank, associated disinfection system and on-site pipelines. This facility will address regional storage deficiencies in the southwest region of the District's 1627 Pressure Zone. Project Location: Northwest corner of Sotelo Road and Goetz Road, Perris, California.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2023
- Finish: Spring 2025

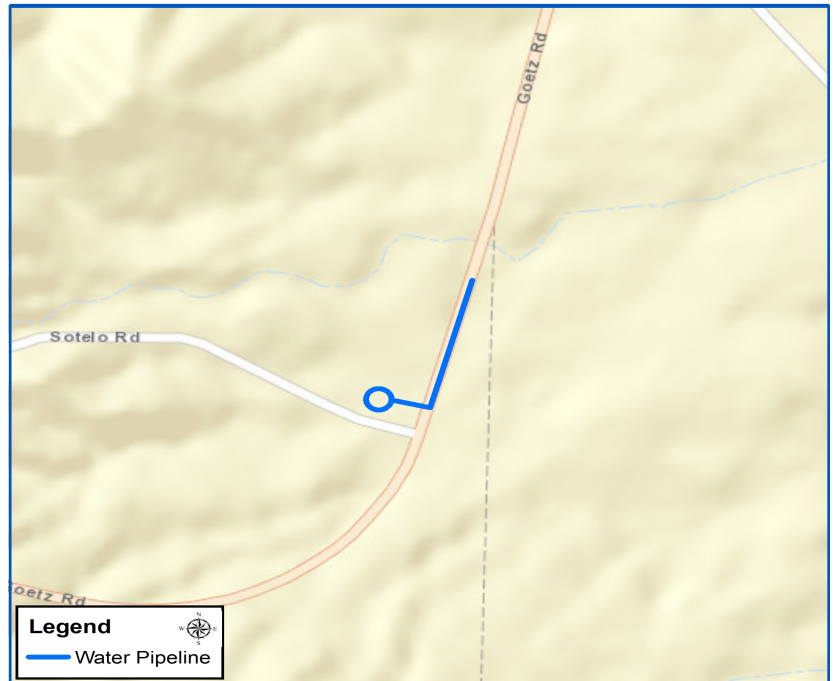
PROJECT BUDGET

- Estimated Total Project Budget: \$12,585,000
- Estimated Construction Budget: \$9,928,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Goetz Road Tank Transmission Pipeline

PROJECT SUMMARY

The Goetz Road Tank Transmission Pipeline is a 30-inch diameter, 9,000 linear foot pipeline connecting the Goetz Road Storage Tank to the local pressure zone. The proposed pipeline will connect at the Goetz Road Storage Tank at Sotelo Road and extend east to Murrieta Road in Menifee, California.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

PROJECT BUDGET

- Estimated Total Project Budget: \$8,530,000
- Estimated Construction Budget: \$7,421,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Good Hope Water Project

PROJECT SUMMARY

This project is located along numerous, mostly unpaved streets in the Good Hope Area bounded approximately between Club Drive and Sharp Road from North to South, and will consist of the installation of approximately 7,600 feet of 8-inch diameter water pipelines, including replacement of segments of existing 4-inch pipeline in certain areas, and retrofitting numerous existing remote water services. The project is planned to be advertised together with the Mead Valley Robinson Street project under separate bid schedules.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

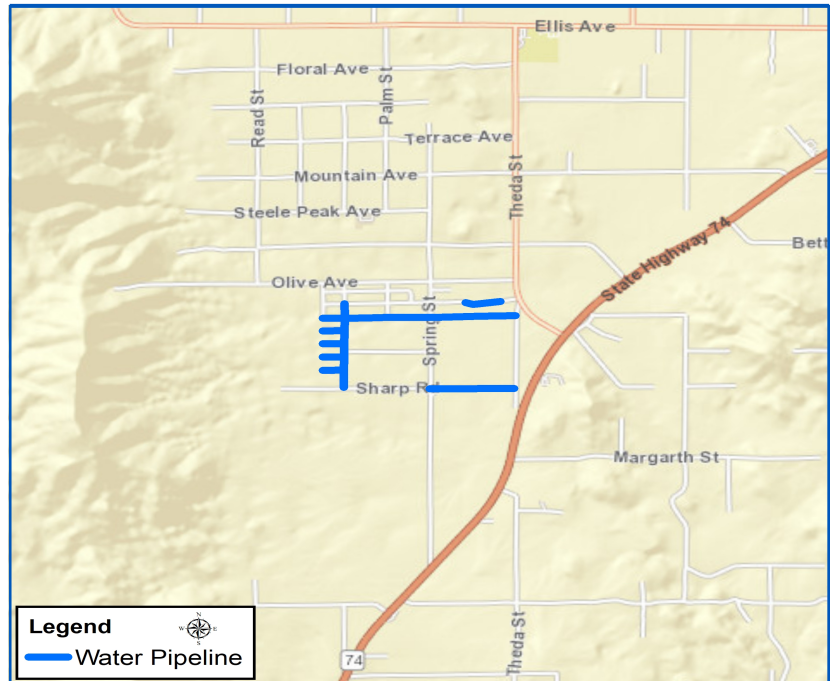
PROJECT BUDGET

- Estimated Total Project Budget: \$3,600,000
- Estimated Construction Budget: \$2,952,000
- Estimated Grant Percentage: 43%

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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Indian Street Pipeline Project

PROJECT SUMMARY

The Indian Street Water Pipeline Replacement project is located on Indian Street between Ironwood Avenue and Hemlock Street in Moreno Valley, California. The scope of work replaces the existing 4-inch diameter asbestos cement pipeline constructed in 1975 with approximately 1,600 linear feet of 12-inch diameter pipeline. These improvements will increase water system pressures and reliability.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2022
- Finish: Spring 2023

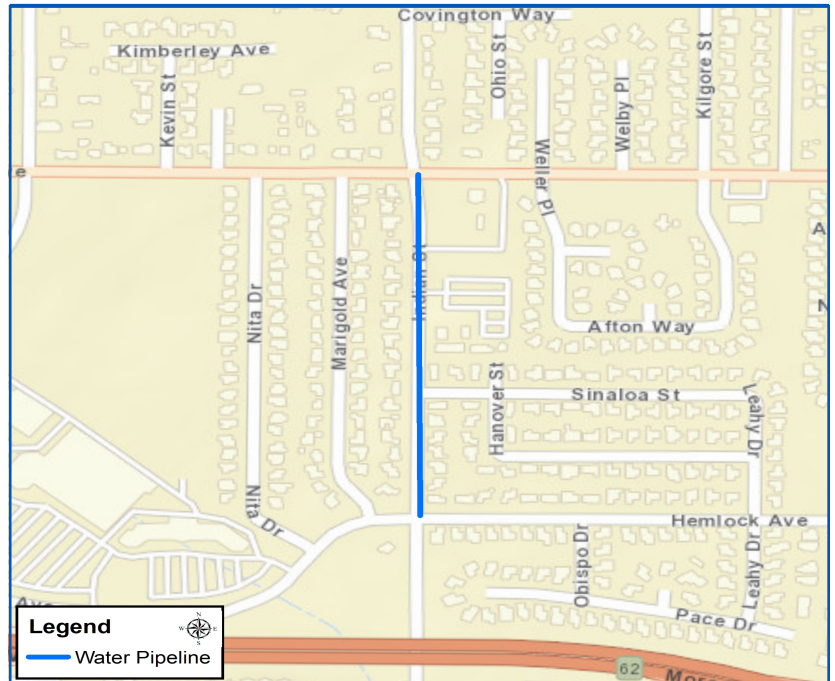
PROJECT BUDGET

- Estimated Total Project Budget: \$1,523,000
- Estimated Construction Budget: \$1,299,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Judson - Final Tank Project

PROJECT SUMMARY

Located on EMWD Property at the northerly end of Old Perris Blvd (historically referred to as Judson St) in the City of Moreno Valley. This project consists of the final construction of a 2.2-million-gallon tank (Judson Tank), and remaining pipeline, drainage, mechanical/electrical, and paving work to complete the project. This project is dependent on completion of both the Judson Grading & Civil Work Project and the Perris Blvd Transmission Main before the tank can be operational.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2024
- Finish: Summer 2025

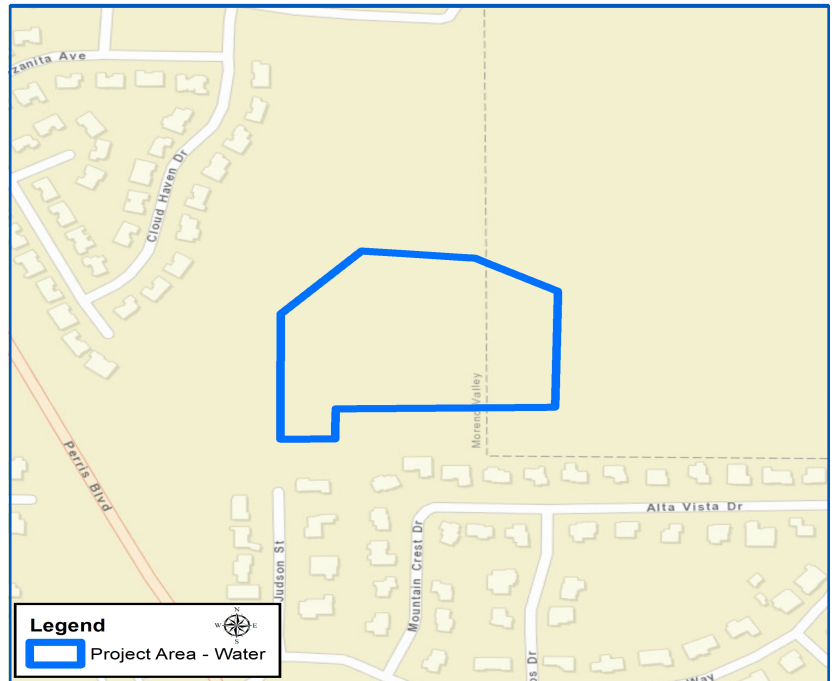
PROJECT BUDGET

- Estimated Total Project Budget: \$2,790,000
- Estimated Construction Budget: \$2,169,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Judson Tank - Grading Project

PROJECT SUMMARY

On EMWD Property and easements at the northerly end of Old Perris Blvd (historically referred to as Judson St), and within Old Perris Blvd and Pico Vista Way, in the City of Moreno Valley. This project consists of the major, initial site preparation for a future 2.2-million-gallon tank (Judson Tank) to be constructed on EMWD property at the northerly end of Old Perris Blvd including grading of the entire site, drainage improvements, detention basin, SCE service work, and spare electrical conduits. Also includes construction of a portion of the 18-inch supply line to the tank, replacement of an existing 12-inch distribution line, and street improvements within Old Perris Blvd and Pico Vista Way, which will serve as the primary access to the tank site.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Fall 2024

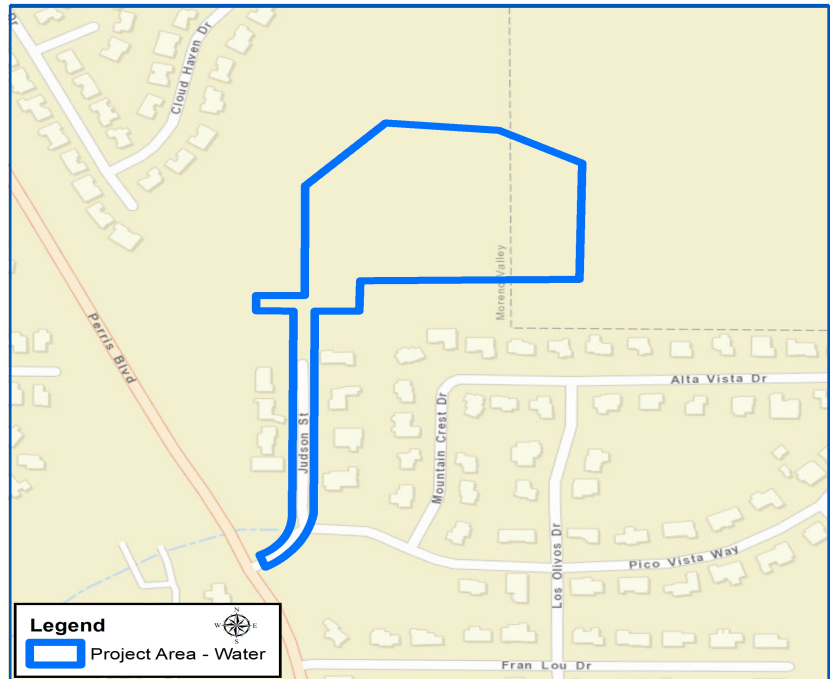
PROJECT BUDGET

- Estimated Total Project Budget: \$4,300,000
- Estimated Construction Budget: \$3,727,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Kalmia Tank Interior Recoating

PROJECT SUMMARY

The Kalmia Tank is located at 25545 Kalmia Avenue in Moreno Valley, California. The scope of the project is to conduct preventative maintenance to this existing facility by recoating the interior and exterior of the 2.73 MG tank, replace the beam stabilizer bars, remove the interior ladder and replace it with the installation of perimeter safety railing and roof air vents.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2021
- Finish: Fall 2022

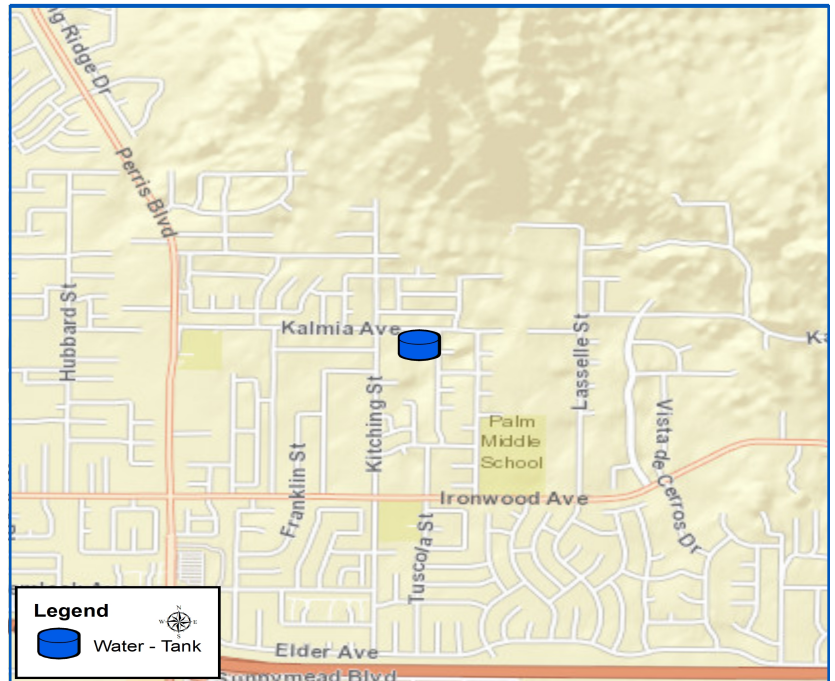
PROJECT BUDGET

- Estimated Total Project Budget: \$1,758,000
- Estimated Construction Budget: \$1,722,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Mead Valley I Booster Pump Station Replacement

PROJECT SUMMARY

The Mead Valley I Booster Pump Station is currently located on Cajalco Road between Day Street and Decker Road in Perris, California. The Booster Pump Station conveys water supply from the Cajalco Pressure Zone to the Mead Valley Pressure Zone. This facility was constructed in 1964 and is near the end of its useful life. The project scope of work is to replace this pump station with a newly constructed booster pump station at new location to increase capacity in accordance with the Water Facilities Master Plan and bring the pump station to current District standards.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Summer 2025

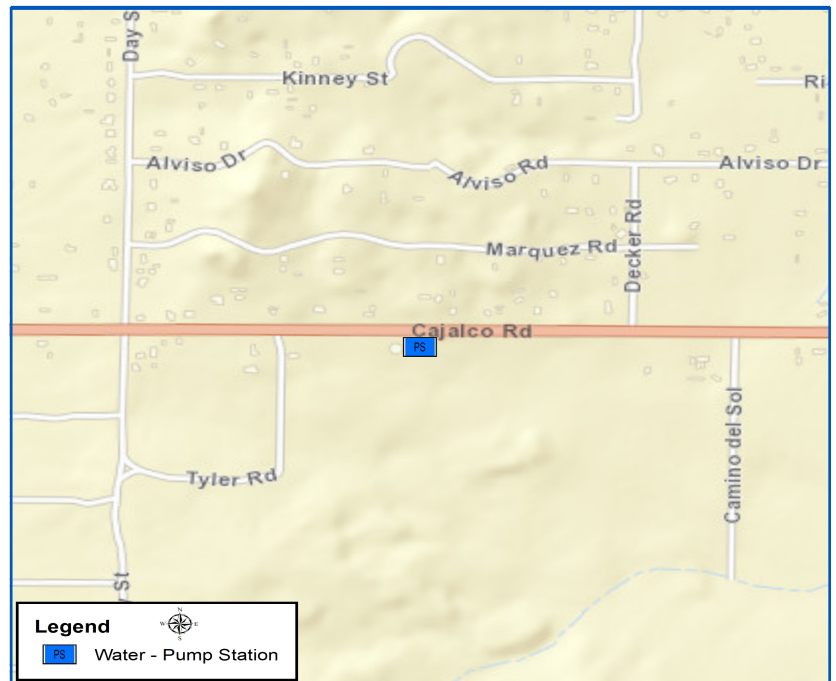
PROJECT BUDGET

- Estimated Total Project Budget: \$6,642,000
- Estimated Construction Budget: \$5,446,000
- Estimated Grant Percentage: 60%

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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Moreno Beach Tank Rehabilitation

PROJECT SUMMARY

Removal of existing interior coating and recoating of the tank interior; replacement of existing stairs; and installation of perimeter safety railing. Project Location: Moreno Beach Drive, Moreno Valley

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

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

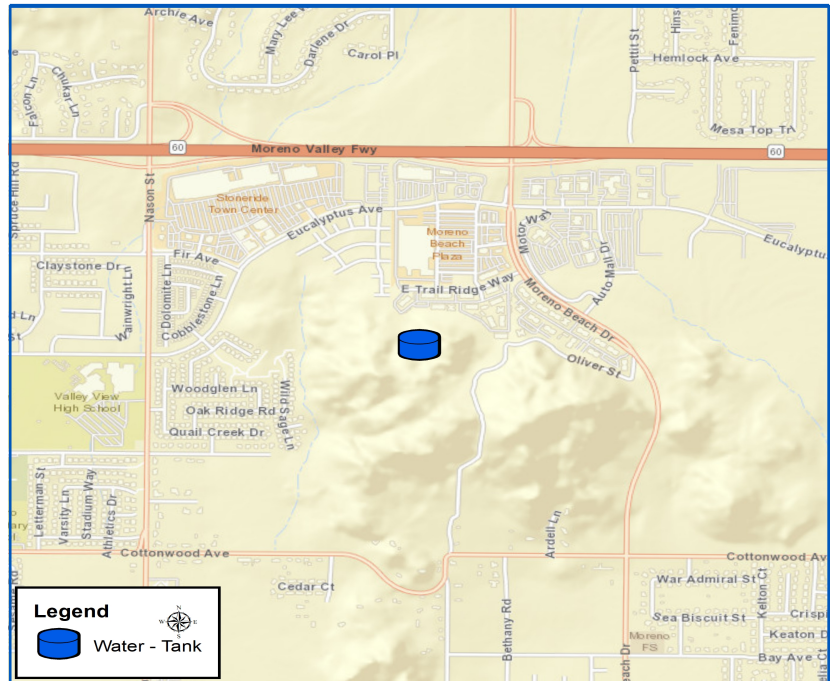
PROJECT BUDGET

- Estimated Total Project Budget: \$775,000
- Estimated Construction Budget: \$693,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Pavement Restoration Program

PROJECT SUMMARY

Eastern Municipal Water District (EMWD) and the City of Moreno Valley recognized the need for an interagency agreement to support cooperation on final pavement overlay design and construction for the Perris North Program Raw Water Conveyance Pipeline and other concurrent capital projects within the City. The pavement overlay applies to three District projects (Perris North Program, Cactus II Feeder Phase 1 Pipeline, and Pettit Reduced Pressure Zone Pipeline), which include approximately six miles of combined pipeline. The City agrees to reimburse Eastern Municipal Water District for all costs, fees and expenses incurred by the District associated with the agreed upon improvements that are over and above the District's road remediation obligation resulting from its construction of the projects.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

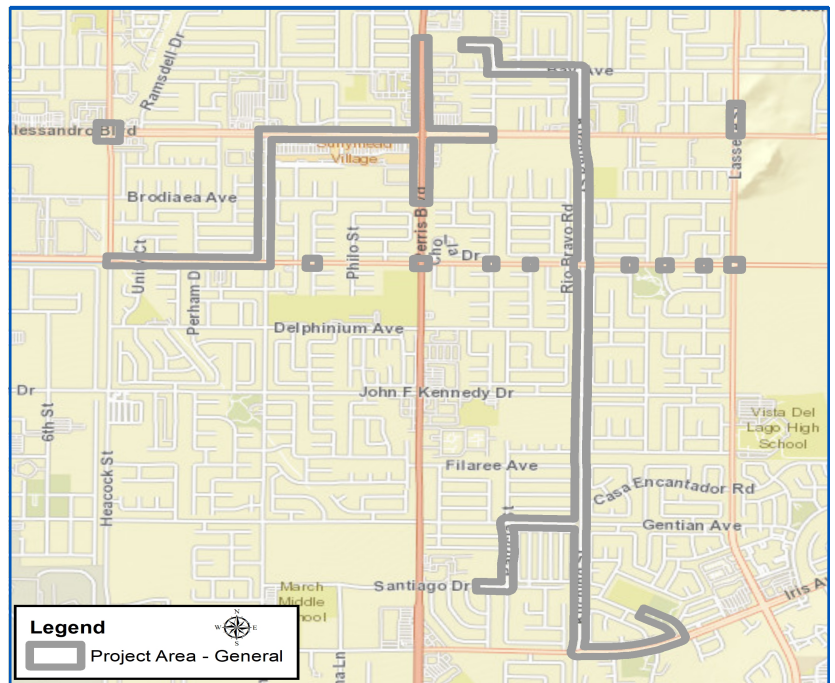
PROJECT BUDGET

- Estimated Total Project Budget: \$3,231,000
- Estimated Construction Budget: \$3,000,000
- 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: Alma Ramirez
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- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Murrieta Road Booster Station

PROJECT SUMMARY

The Murrieta Road Booster Station is located just north of Ethanac Road on Murrieta Road in Perris, California. The Booster Station was constructed in 1965 and near the end of its useful life. The scope of the project is to replace the Booster Station and include modern, more efficient equipment. This replacement provides the opportunity to meet current and future hydraulic performance criteria.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

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

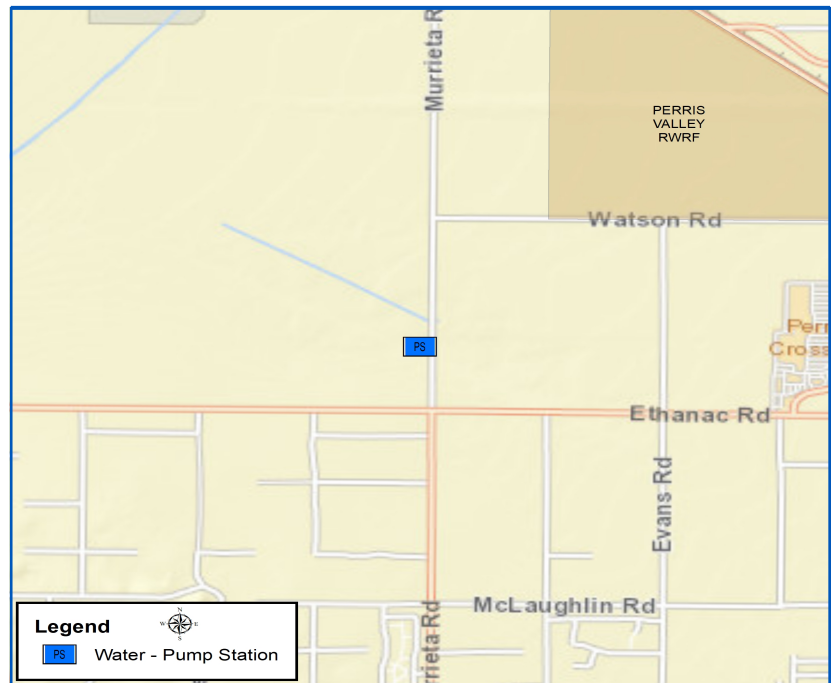
PROJECT BUDGET

- Estimated Total Project Budget: \$19,030,000
- Estimated Construction Budget: \$16,142,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
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- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Perris Boulevard Pipeline Project

PROJECT SUMMARY

The Perris Boulevard Pipeline Project consists of 6,700 LF of 18-inch transmission main in Perris Boulevard from Robin Lane to the Casey Court Tank access road that includes off-site piping to connect the proposed Judson Tank to the distribution system. The proposed off-site alignment is approximately 1,300 LF of 18-inch diameter pipeline, 700 LF along Judson Street to the centerline of Pico Vista Way to Robin Lane near the Covey Booster Station.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Spring 2024

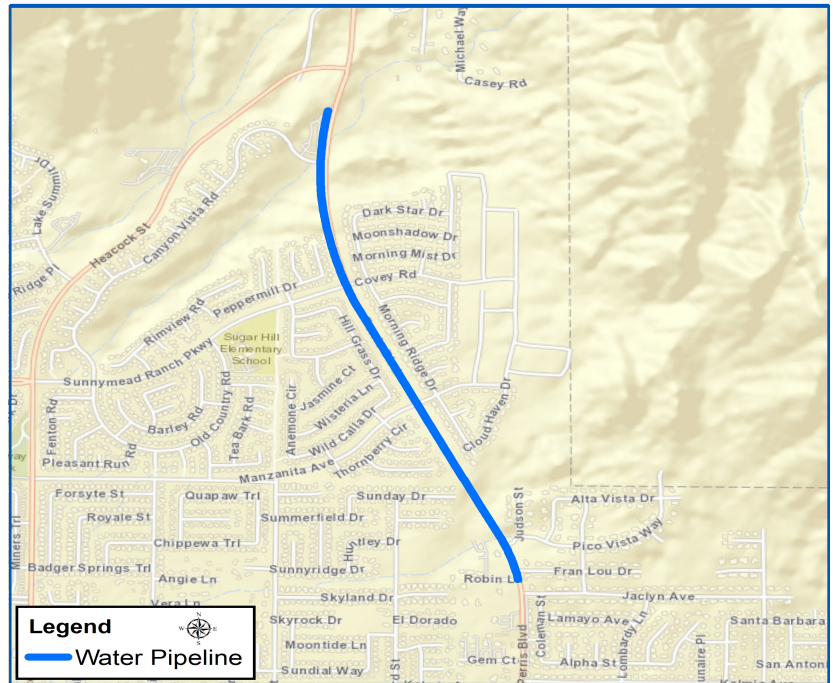
PROJECT BUDGET

- Estimated Total Project Budget: \$6,872,000
- Estimated Construction Budget: \$5,773,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris North Groundwater Program

PROJECT SUMMARY

This project involves the administration of the Program, including providing all technical and administrative services as needed for Program completion; monitoring, supervising, and reviewing all work performed; and coordinating budgeting and scheduling to ensure the Program is completed within budget, on schedule, and in accordance with approved procedures, applicable laws, and regulations; preparation and submittal of all required invoices and progress reports, coordination with the Grant Manager, and site visits with the Grant Manager and other State Water Resources Control Board staff.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

PROJECT BUDGET

- Estimated Total Project Budget: \$3,601,000
- 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
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris North Basin Monitoring and Reporting Plan

PROJECT SUMMARY

Consulting services needed to develop the Monitoring and Reporting Plan (MRP) for the Perris North Basin Groundwater Contamination Prevention and Remediation Program.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

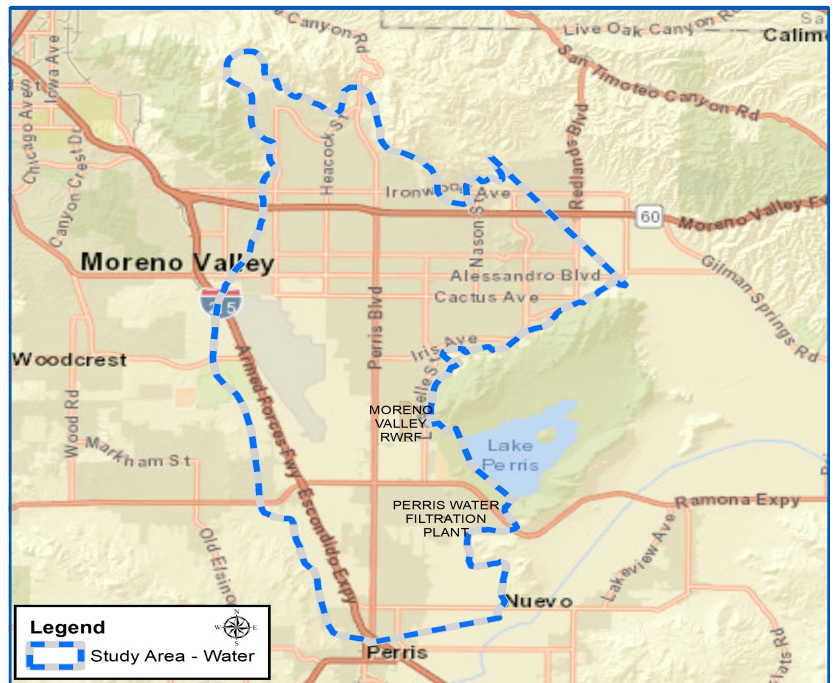
PROJECT BUDGET

- Estimated Total Project Budget: \$308,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: 43%

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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
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- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris North Cactus Corridor Transmission Pipeline Phase II

PROJECT SUMMARY

This project includes the design and construction of the Cactus Corridor transmission pipeline, the off-site raw groundwater pipelines and include blend water and treated water pipelines needed for the Cactus Avenue Corridor (North and East Area wells) portion of the Perris North Program. Facilities include approximately 30,000 LF of pipelines in the city of Moreno Valley to be constructed to convey raw groundwater from the extraction wells to the proposed centralized treatment and blending facility. Pipelines include conveyance of blend water to the centralized treatment and blending facility and treated water from the centralized treatment and blended facility to Eastern Municipal Water District's distribution system. These pipelines would be located primarily within roadway rights of way. The pipelines may be constructed either along Kitching Street or along Perris Boulevard.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2022
- Finish: Spring 2024

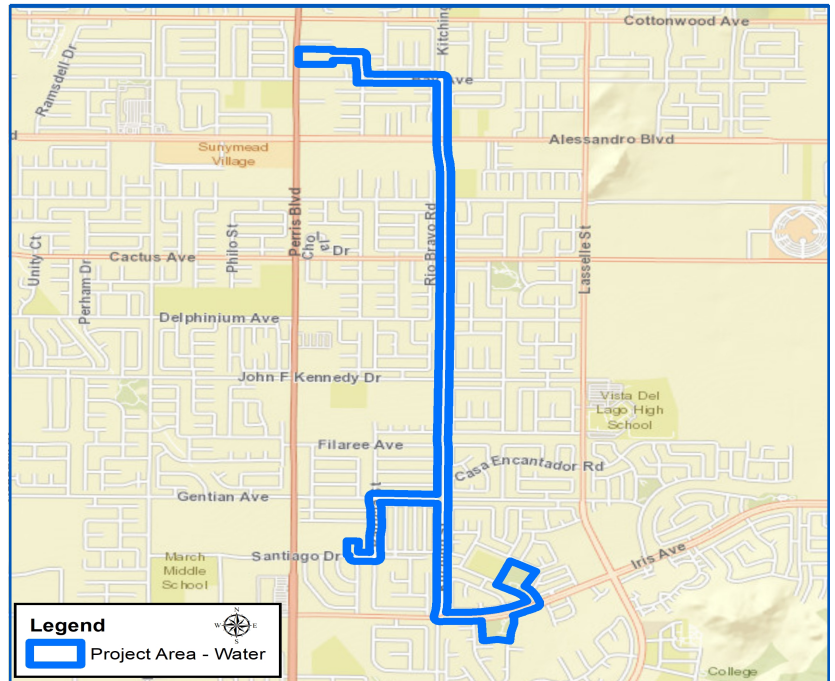
PROJECT BUDGET

- Estimated Total Project Budget: \$8,742,000
- Estimated Construction Budget: \$7,749,000
- Estimated Grant Percentage: 43%

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: Alma Ramirez
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- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris North Cactus Corridor Transmission Pipeline Phase III

PROJECT SUMMARY

Design services related to the Raw Water Conveyance Pipeline Phase III. The additional services include a new 18-inch PVC pipeline from the Well 66 site to the Wells 206-207 site. Includes project management, data gathering, investigations, preparation of contract documents, permit support, and bidding services by Kennedy Jenks. Location: City of Moreno Valley.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

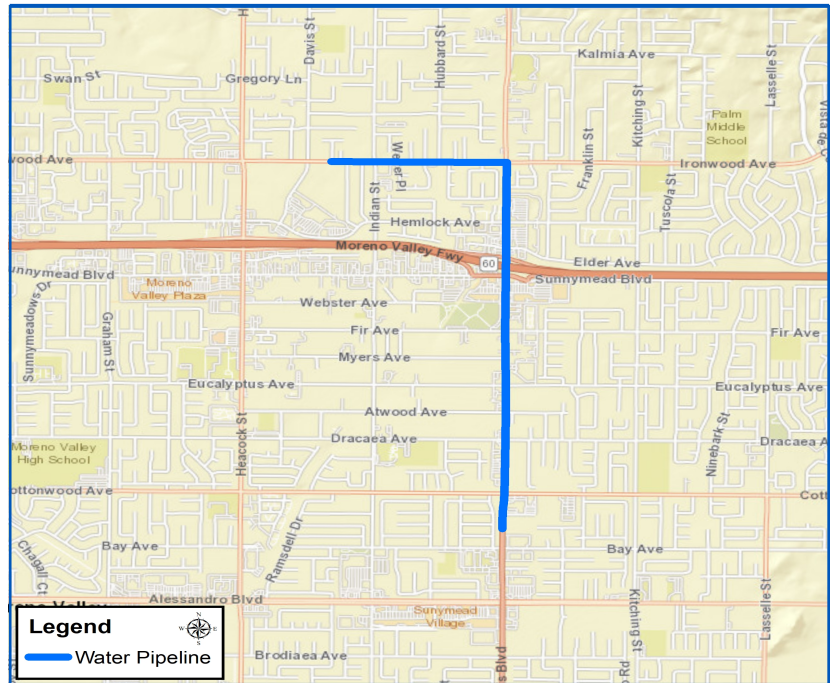
PROJECT BUDGET

- Estimated Total Project Budget: \$6,000,000
- Estimated Construction Budget: \$5,220,000
- Estimated Grant Percentage: 43%

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: Alma Ramirez
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Director David J. Slawson
Division No. 5

Perris North Cactus Corridor Well Equipping and Treatment

PROJECT SUMMARY

Cactus Corridor area and the facilities consist of equipping up to four extraction wells (Wells 1-4 in the north) rated at approximately 250 GPM each (total of 1,000 GPM) and are located on Perris Boulevard and near East Alessandro Boulevard in the city of Moreno Valley. In addition, two extraction wells will be equipped in South Moreno Valley near Iris Avenue and Kitching Street. These wells will be situated on Santiago Drive and near Iris Avenue and Los Cabos Drive. The project will include centralized treatment facility consisting of granular activated carbon (GAC) for Tetrachloroethylene, also known as perchloroethylene (PCE), removal and a subsequent blending facility using approximately 4,000 GPM of Metropolitan Water District water from the Cactus II Feeder for compliance for nitrate and fluoride above MCLs/SMCLs and manganese above District operational goals. The facility includes a finished water pumping station, a clearwell, and approximately related raw and potable pipelines.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Spring 2025

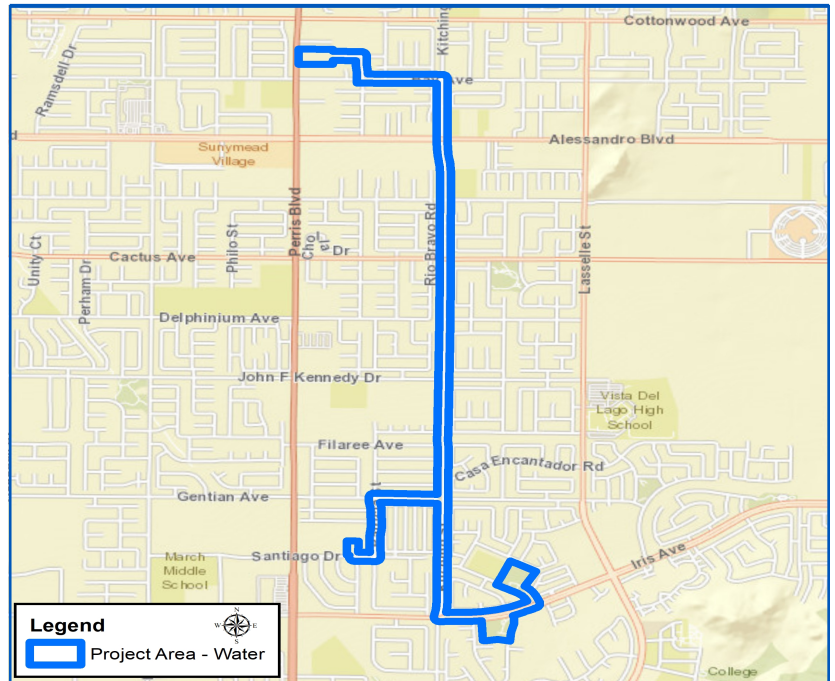
PROJECT BUDGET

- Estimated Total Project Budget: \$67,826,000
- Estimated Construction Budget: \$59,009,000
- Estimated Grant Percentage: 43%

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: Alma Ramirez
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- PHONE: 951-928-3777 ext. 4370
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- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris North Monitoring Wells Phase I

PROJECT SUMMARY

The project would involve construction of up to 10 monitoring wells (each up to 6-inch diameter and a combination of single-port and multi-point wells) to establish baseline groundwater monitoring data. The data would include information concerning groundwater levels; groundwater movement; and type, concentrations and extent of existing Contaminants of Concern. The project would ultimately assist Eastern Municipal Water District in establishing informed management decisions related to the Perris North Sub-Basin. Nine of the wells would be located within three sub-areas of the project area: Moreno Valley, North/East, and South Sub-Areas. The North/East and South Sub-Areas are located relative to March Air Reserve Base. A tenth well (Sentinel Well) would be located south of the sub-areas.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Spring 2024

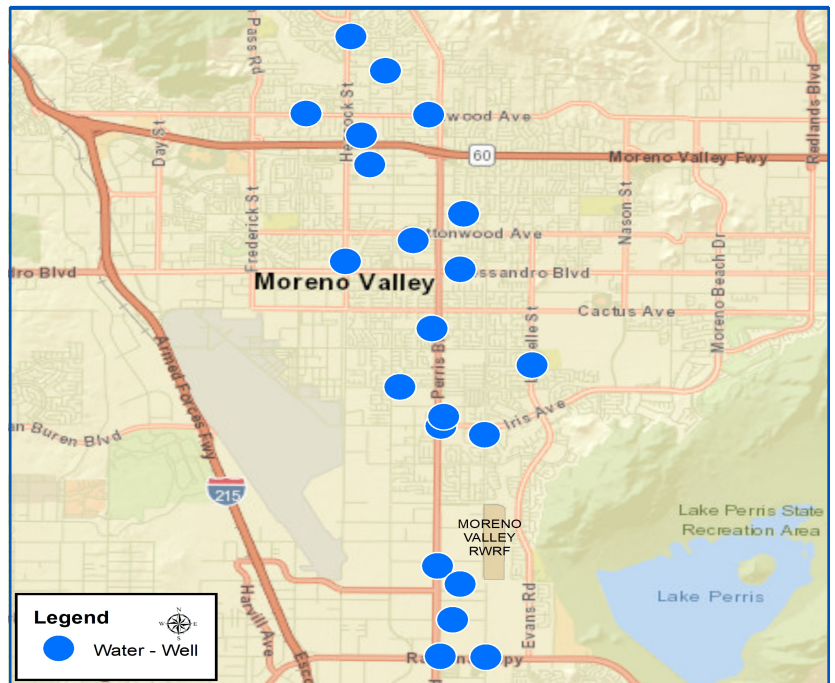
PROJECT BUDGET

- Estimated Total Project Budget: \$2,494,000
- Estimated Construction Budget: \$1,870,000
- Estimated Grant Percentage: 43%

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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
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Director David J. Slawson
Division No. 5

Perris North Well 206-208 Construction Project

PROJECT SUMMARY

This project includes the preliminary design, final design, and construction of the well equipping for the Moreno Valley Area extraction wells. Facilities in this area include two groundwater extraction wells (Wells 65 and 66) with an approximate combined flow rate of 2,000 AFY (approximately 620 GPM per well). Each well is to be situated on District-owned property south of Ironwood Avenue between Heacock Street and Nita Drive in the city of Moreno Valley, California. Approximately 800 feet of 8-inch pipeline will be required to connect the existing raw water conveyance pipeline from the wells to the treatment facility. Finished water will be conveyed via 12-inch and 18-inch pipelines to the District's local potable water system on Ironwood Avenue. In addition, a wellhead treatment facility consisting of GAC treatment is needed to remove PCE. Approximately 1,300 feet of 8-inch pipeline will be required to convey finished water into the District's potable water system.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

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

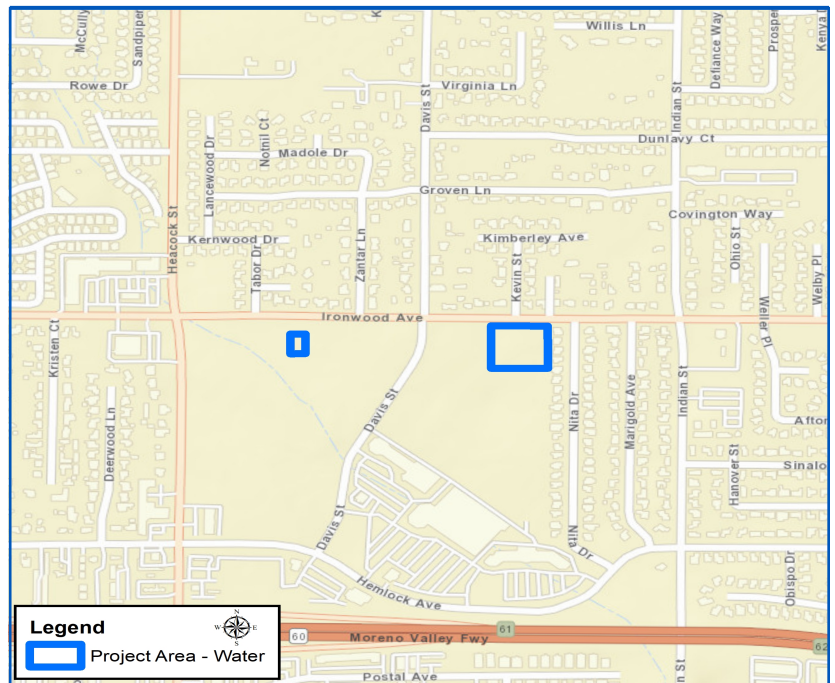
PROJECT BUDGET

- Estimated Total Project Budget: \$14,478,000
- Estimated Construction Budget: \$11,715,000
- Estimated Grant Percentage: 43%

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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
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- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris North Groundwater Model and Preliminary Design Report

PROJECT SUMMARY

The project would involve construction of up to an additional 10 monitoring wells beyond the 10 monitoring wells constructed in Phase 1 (each up to 6-inch diameter and a combination of single-port and multi-point wells) to establish baseline groundwater monitoring data. The data would include information concerning groundwater levels; groundwater movement; and type, concentrations and extent of existing Contaminants of Concern. The project would ultimately assist Eastern Municipal Water District in establishing informed management decisions related to the Perris North Sub-Basin. The locations of these additional wells are yet to be determined but will be within the three identified areas within the Program.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

PROJECT BUDGET

- Estimated Total Project Budget: \$3,402,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: 43%

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: Alma Ramirez
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- PHONE: 951-928-3777 ext. 4370
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- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Pettit Regulated Pressure Zone

PROJECT SUMMARY

The targeted area is generally confined between north of Cactus Avenue and south of Cottonwood Avenue, between Heacock Avenue and Lasselle Street in the City of Moreno Valley. New 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 feet which will result in higher pressures for the customers.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2021
- Finish: Spring 2023

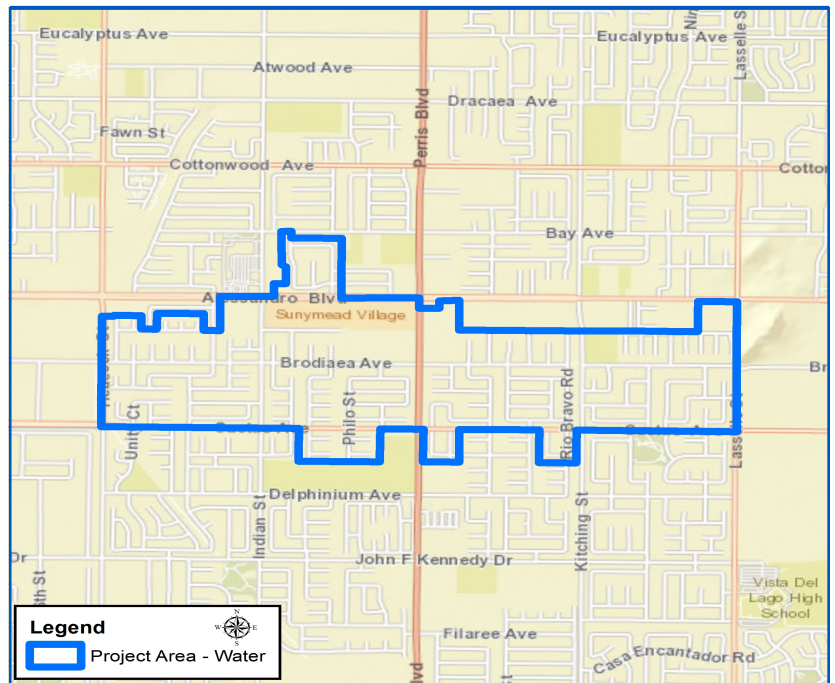
PROJECT BUDGET

- Estimated Total Project Budget: \$3,982,000
- Estimated Construction Budget: \$3,336,000
- 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: Alma Ramirez
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- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Perris Water Filtration Plant Air Compressor Replacement

PROJECT SUMMARY

The air compressors support the plant's membrane filtration system by providing compressed air for membrane integrity testing and pneumatic operation of instruments and valves. Maintenance staff has reported the compressor system, installed during the original plant construction, is exhibiting increased run times, excessive noise, and frequent failures. This project will replace the existing compressed air system. The new compressors will be an oilless style and include a larger receiver tank, air dryers, and air filters assemblies that will provide redundancy, reduced run times, and increased reliability. Installation of the new system is also expected to mitigate the excessive noise.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

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

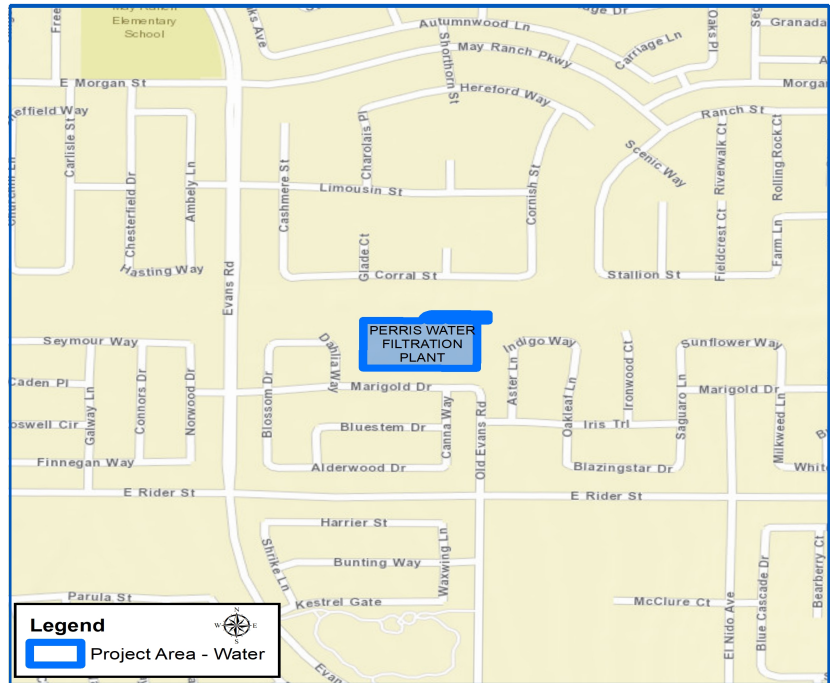
PROJECT BUDGET

- Estimated Total Project Budget: \$581,000
- Estimated Construction Budget: \$524,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Perris Water Filtration Plant Maintenance

PROJECT SUMMARY

The Perris Water Filtration Plant (PWFP) treats Colorado River Water and the State Water project supplies using ultrafiltration membrane technology to produce up to 24 million gallons per day of potable water. Influent water entering the plant from the Colorado River is not pressurized and requires lifting into the plant facilities via the raw water pump station. The raw water pump station located at the Perris Water Filtration Plant has four pump cans that are showing signs of corrosion. Both the internal and external surfaces have several areas of complete coating failure and subsequent metal loss due to corrosion. Due to the level of corrosion the pump cans need to be replaced.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Spring 2024

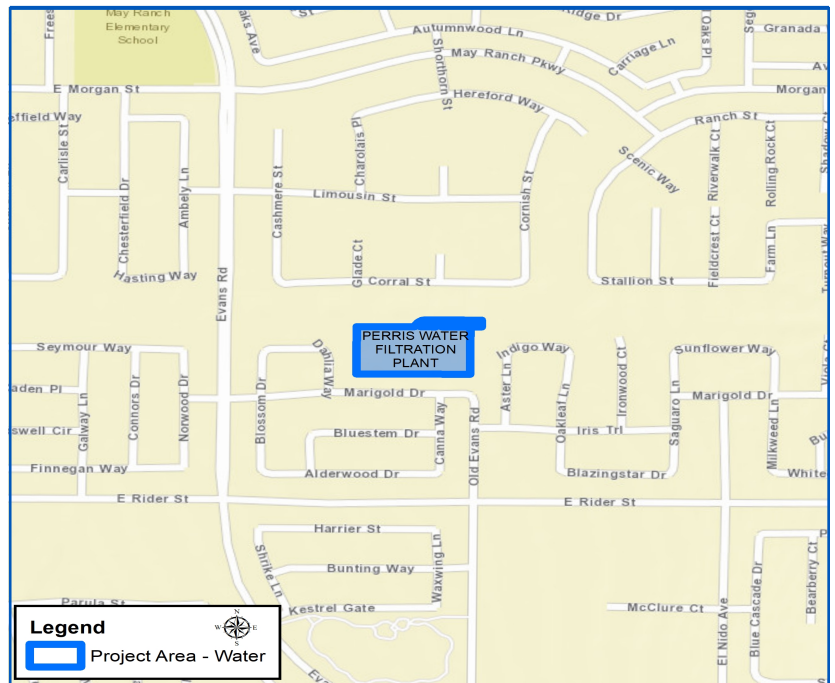
PROJECT BUDGET

- Estimated Total Project Budget: \$4,000,000
- Estimated Construction Budget: \$3,280,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Redlands and Cottonwood Booster Maintenance

PROJECT SUMMARY

The Redlands and Cottonwood Booster Station is located at 13400 Redlands Boulevard just north of Cottonwood Avenue in Moreno Valley, California. The Booster Station was constructed in 1993 and utilizes three (3) electric motor-driven pumps and one engine-driven pump to supply potable water to the surrounding pressure zone. The project scope of work consists of replacing the electrical equipment to the pumps; replace the engine and install a new motor for pump #4; and include an emergency on-site generator for the facility.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

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

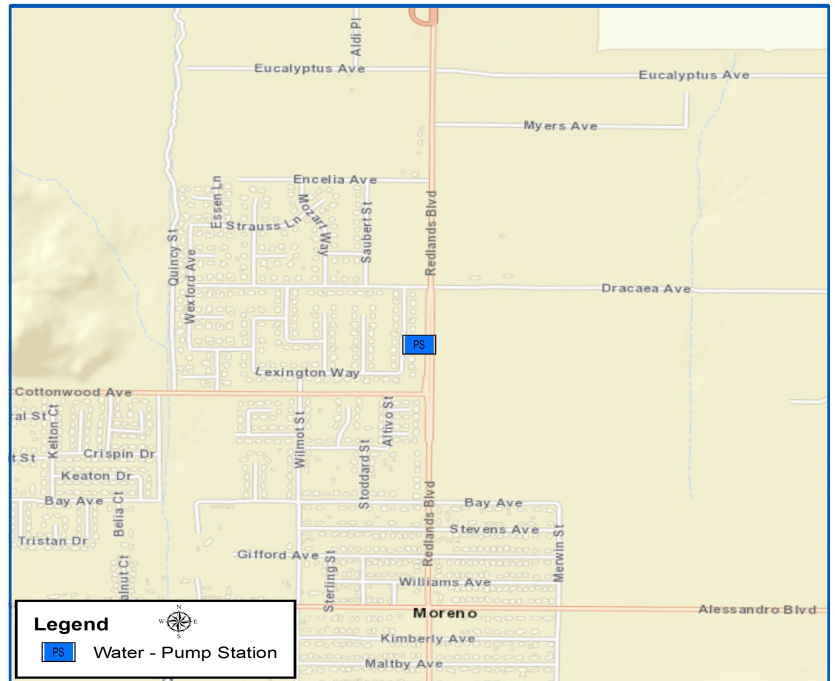
PROJECT BUDGET

- Estimated Total Project Budget: \$2,253,000
- Estimated Construction Budget: \$2,045,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Steeplechase and Kalmia Booster Replacement

PROJECT SUMMARY

The Steeplechase and Kalmia Booster Pump Station (BPS) serves the 2194 Dale Pressure Zone in northern Moreno Valley. During the July 2019 earthquake, the structure was severely damaged which necessitated short-term modifications to preserve the integrity of the structure. This modification is a temporary solution, and a new replacement booster station is required. The project is located in Moreno Valley with the address to be determined.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

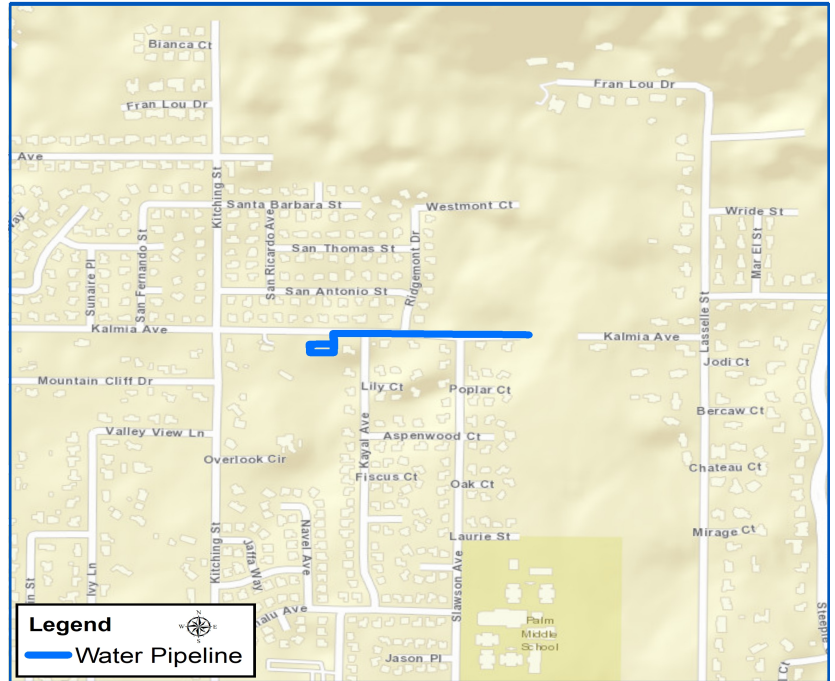
PROJECT BUDGET

- Estimated Total Project Budget: \$3,986,000
- Estimated Construction Budget: \$2,978,000
- 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: Alma Ramirez
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- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris North South Area Wells Equipping and Treatment

PROJECT SUMMARY

The South Area extraction well project will include a centralized treatment facility supplied by Wells 65 and 66. The facility will also include a finished water pumping station and a clearwell. Approximately 800 feet of 8-inch pipeline will be required to connect the existing raw water conveyance pipeline from the wells to the treatment facility. Finished water will be conveyed via 12-inch and 18-inch pipelines to the District's local potable water system on Ironwood Avenue. Facilities in this area include one groundwater extraction well with an approximate flow rate of 1,000 AFY (approximately 650 GPM) that is situated on District-owned property (2.5 acres) located at 115 East Nance Street, Perris, California. In addition, a wellhead treatment facility consisting of GAC treatment is needed to remove PCE. Approximately 1,300 feet of 8-inch pipeline will be required to convey finished water into the District's potable water system.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Winter 2032/2033
- Finish: Spring 2034

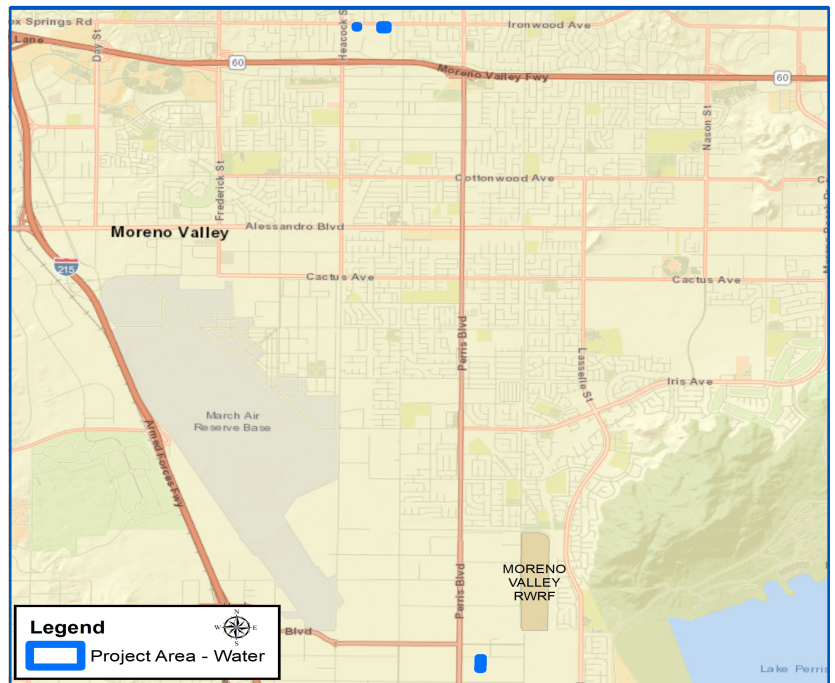
PROJECT BUDGET

- Estimated Total Project Budget: \$14,437,000
- Estimated Construction Budget: \$12,560,000
- Estimated Grant Percentage: 54%

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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Well 56 Wellhead Treatment

PROJECT SUMMARY

Well 56 is located at the intersection of Perry Street and Indian Avenue in the City of Perris. The well was constructed in 1994 and had an original design capacity of 1,200 GPM. The well was taken out of service in February of 2019 due to elevated levels of per- and polyfluoroalkyl substances (PFAS). It is suspected that PFAS entered the groundwater from the historic use of aqueous film forming foam at a firefighting training area on the east side of March Air Reserve Base. The District has proactively taken the well offline while perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic (PFOS) acid concentrations continue to be monitored and treatment options are evaluated.

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Fall 2025

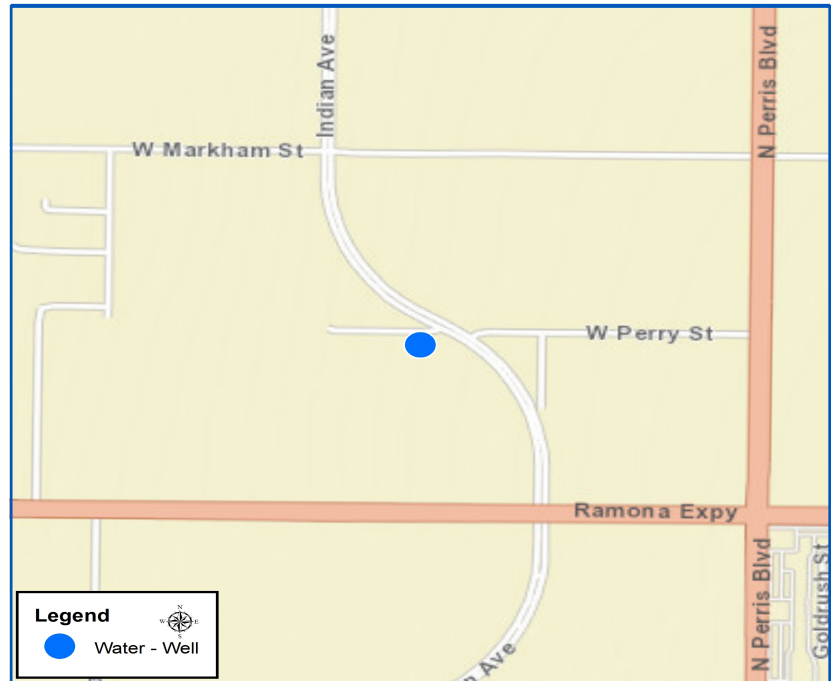
PROJECT BUDGET

- Estimated Total Project Budget: \$4,684,000
- Estimated Construction Budget: \$3,547,000
- 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: Amanda Fine
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1

Day Street Lift Station Maintenance Project

PROJECT SUMMARY

The Day Street Lift Station is located at 13434 Day Street in a residential area of Moreno Valley, California. The project scope of work includes replacement of corroded existing discharge pipeline and installation of one (1) submersible recirculating chopper pump and other appurtenances, including SS 316L pump guide rails, pump base/discharge elbow, and four (4) aboveground pump motor cable junction boxes for the three (3) existing submersible pumps and one (1) for the proposed submersible recirculating chopper pump. In addition to the replacement of equipment, scope also includes construction of three (3) new circular wetwells and one (1) six-foot diameter bypass manhole with miscellaneous instruments for bypass operation.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

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

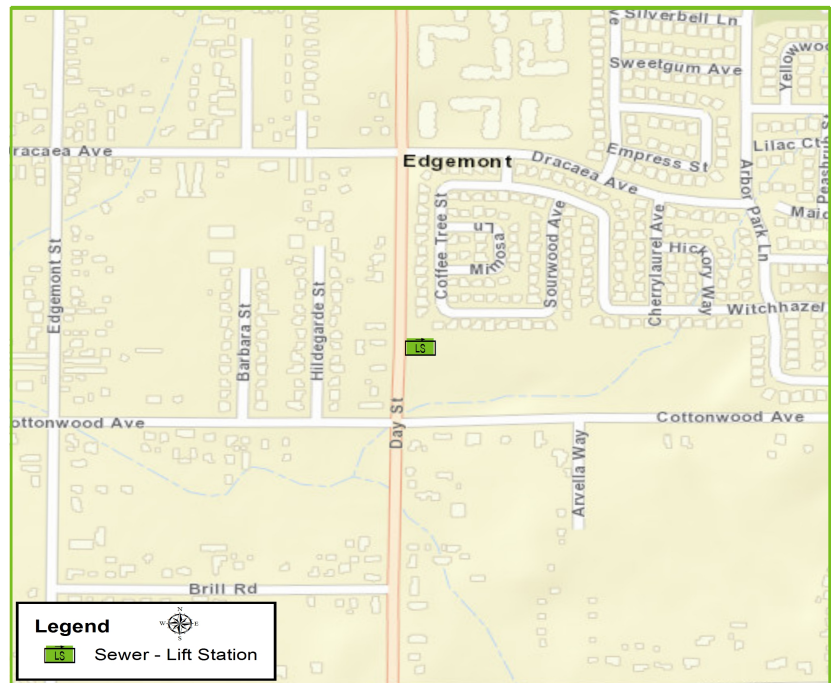
PROJECT BUDGET

- Estimated Total Project Budget: \$2,152,000
- Estimated Construction Budget: \$1,827,000
- 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: Alma Ramirez
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- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Indian Street Sewer

PROJECT SUMMARY

The Indian Street and Highway 60 Sewer Pipeline project will replace the 10-inch sewer from Sunnymead Boulevard to Hemlock Avenue with a 15-inch sewer crossing the 60 Freeway at Indian Street. The crossing of the freeway will require trenchless design and permitting.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

PROJECT BUDGET

- Estimated Total Project Budget: \$2,081,000
- Estimated Construction Budget: \$1,665,000
- Estimated Grant Percentage: 50%

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
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- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Kitching Street and Iris Avenue Sewer Project

PROJECT SUMMARY

This project is to replace existing 18-inch sewer along Kitching Street from Gentian Avenue to the Iris Avenue and existing 15-inch sewer along Iris Avenue from Kitching Street to La Fortuna Lane, in the City of Moreno Valley.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2023
- Finish: Summer 2024

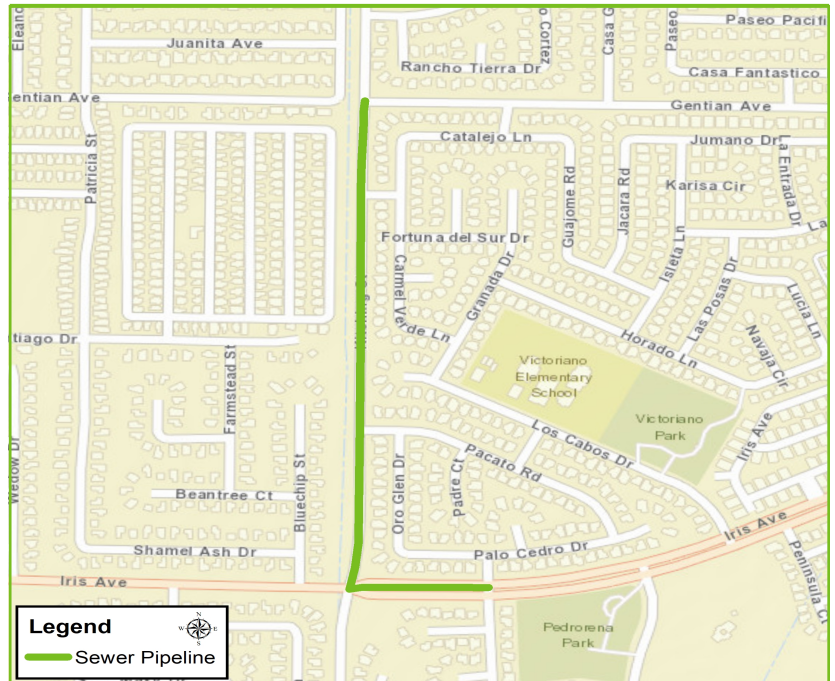
PROJECT BUDGET

- Estimated Total Project Budget: \$5,629,000
- Estimated Construction Budget: \$4,815,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director Philip E. Paule
Division No. 1



Mead Valley Cajalco Sewer

PROJECT SUMMARY

Construction of approximately 13,000 LF of new gravity sewer along Cajalco Road to provide sewerage service to the disadvantaged community, Mead Valley, through an interconnection with existing Western Municipal Water District (WMWD) infrastructure and an interconnection agreement. Project Location: Along Cajalco Road between Day Street and the WMWD Cajalco LS, west of I-215.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

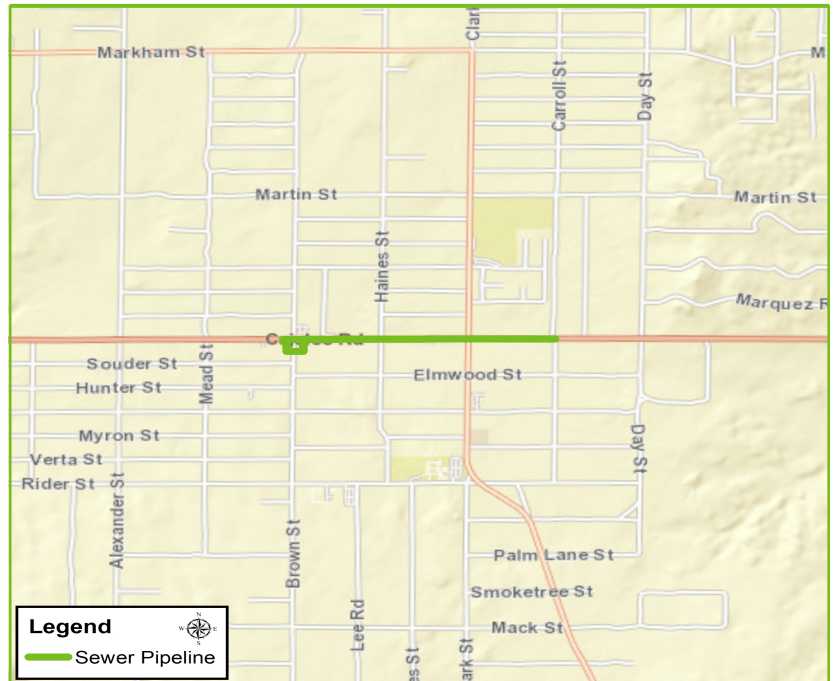
PROJECT BUDGET

- Estimated Total Project Budget: \$5,800,000
- Estimated Construction Budget: \$4,648,000
- 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: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Moreno Valley Regional Water Reclamation Facility APAD Condition Assessment Phase 1

PROJECT SUMMARY

Condition assessment of two of the four Moreno Valley Regional Water Reclamation Facility APAD cells to determine structural integrity of structure, remaining useful life, and recommended means of rehabilitation. Project Location: 17140 Kitching Street, Moreno Valley, California 92551.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

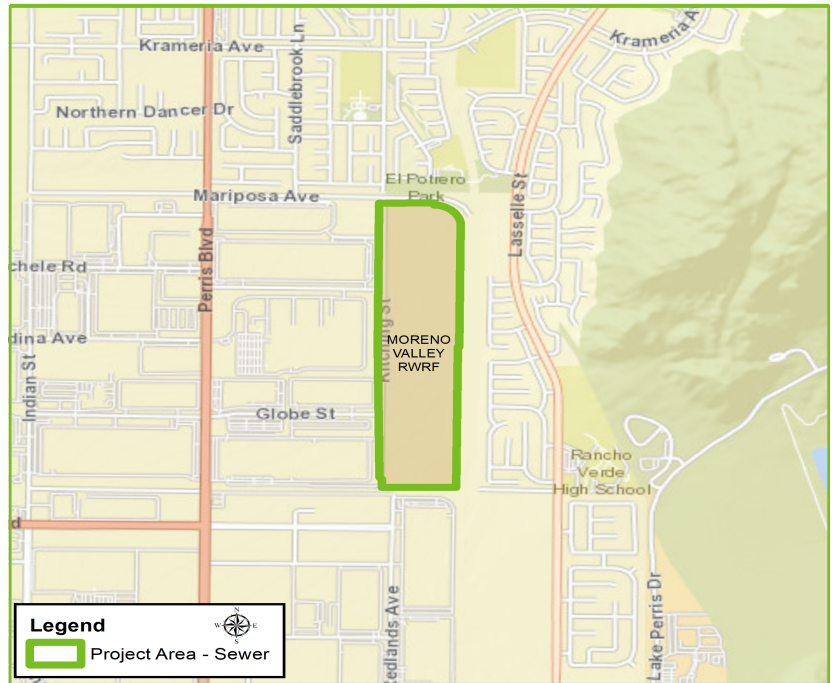
PROJECT BUDGET

- Estimated Total Project Budget: \$191,000
- Estimated Construction Budget: N/A
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Regional Water Reclamation Facility Rehabilitation Project I

PROJECT SUMMARY

This project will provide preliminary and final design for the Moreno Valley Regional Water Reclamation Facility Plant 2A Rehabilitation. In 2019, an operational and condition assessment was performed on Plant 2A. The assessment noted structural, safety, mechanical, and electrical improvements needed to continue with the reliable operation of the Plant. The project location is 17140 Kitching Street, Moreno Valley, California 92551.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2025
- Finish: Spring 2026

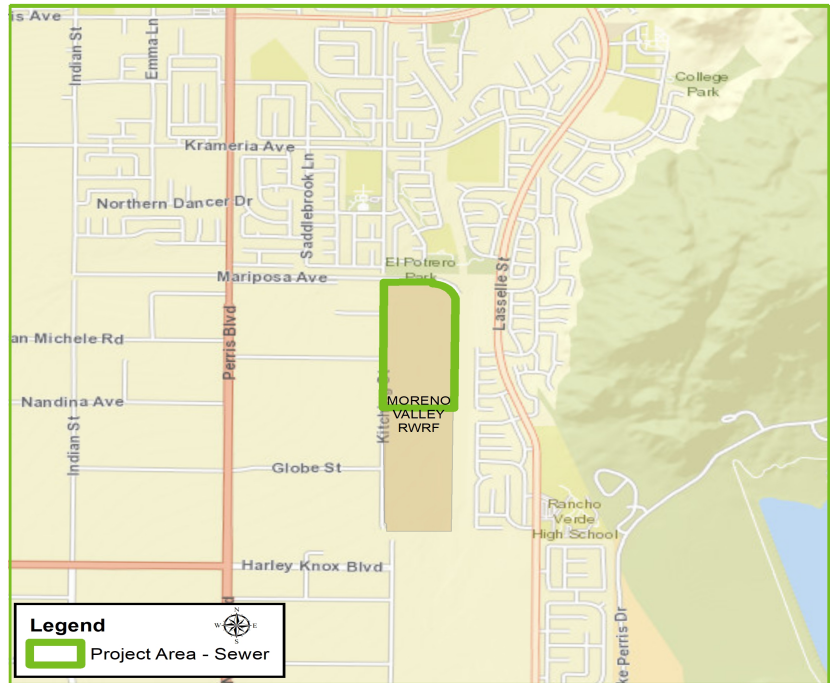
PROJECT BUDGET

- Estimated Total Project Budget: \$9,600,000
- Estimated Construction Budget: \$7,872,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Moreno Valley Regional Water Reclamation Facility Rehabilitation Project II

PROJECT SUMMARY

Moreno Valley Regional Water Reclamation Facility (MVRWRF) Plant 2B and Flow Diversion Project is necessary in order to be able to take Plant 1 off-line as it requires significant rehabilitation to continue to provide reliable treatment capacity. The project will allow operations to better manage nutrient loading to the MVRWRF secondary processes and to defer the need to further expand treatment capacity at the MVRWRF by diverting some flow to the Perris Valley Regional Water Reclamation Facility (PVRWRF).

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2022
- Finish: Spring 2025

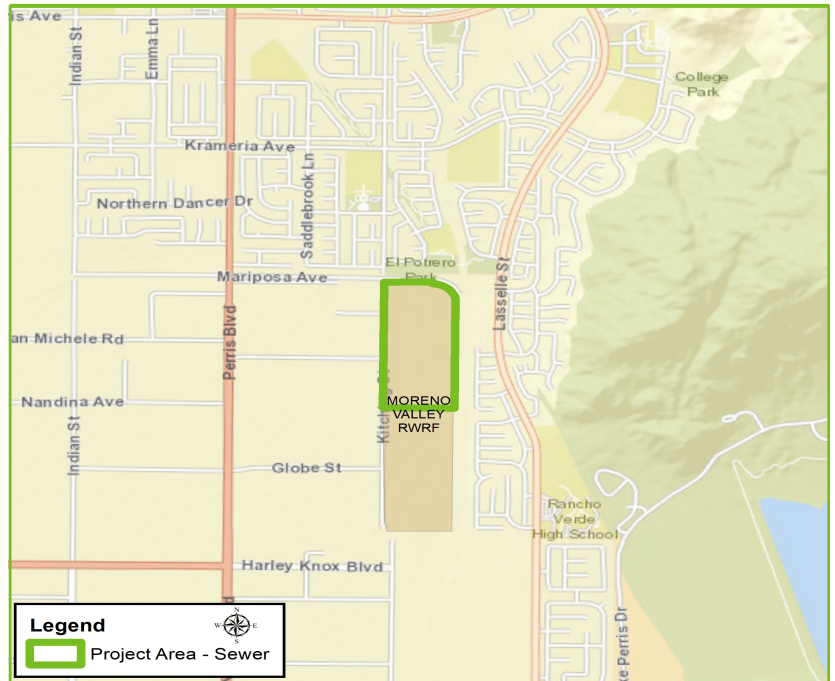
PROJECT BUDGET

- Estimated Total Project Budget: \$52,549,000
- Estimated Construction Budget: \$46,149,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Oliver Street Sewer

PROJECT SUMMARY

This project is a planned extension as part of the Eastern Municipal Water District Sewer Masterplan that will provide a gravity sewer connection north of SR-60, which is currently not served by existing infrastructure. Project location: Crossing SR-60, between Nason Street and Moreno Beach Drive, connecting to existing sewer in Eucalyptus Avenue and travelling north passing under SR-60.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Summer 2024

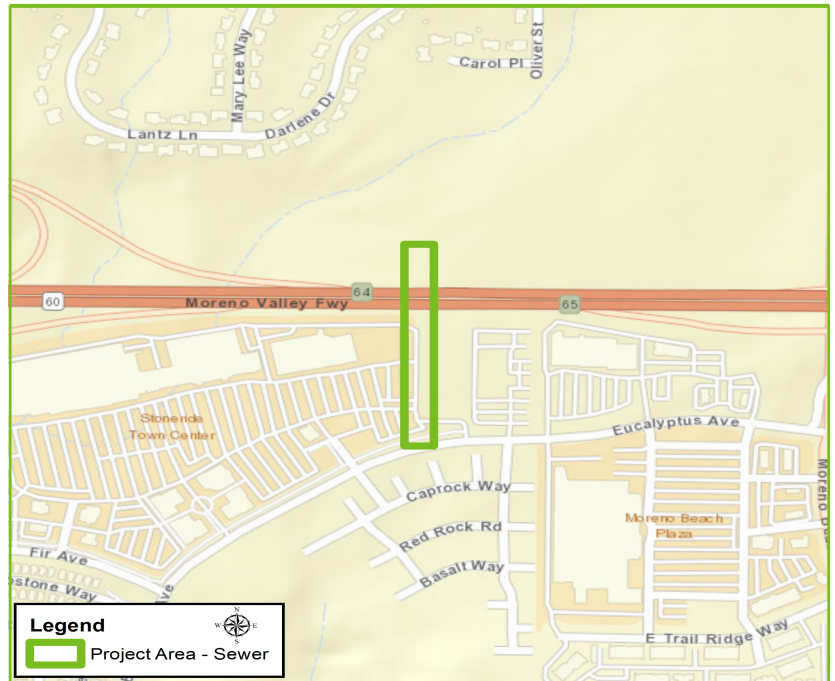
PROJECT BUDGET

- Estimated Total Project Budget: \$2,454,000
- Estimated Construction Budget: \$1,963,000
- Estimated Grant Percentage: 80%

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Perris Valley Regional Water Reclamation Facility Biosolids Load Facility Improvement

PROJECT SUMMARY

Improve existing biosolids loadout facility by replacing deteriorated existing hopper with a new hopper designed to suit the existing support frame, installing a weighbridge beneath the hopper, and replacing electrical components and controls associated with the operation of the new hopper at Perris Valley Regional Water Reclamation Facility. Project location: 1301 Case Road, Perris, CA 92570

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Fall 2024

PROJECT BUDGET

- Estimated Total Project Budget: \$4,321,000
- Estimated Construction Budget: \$3,710,000
- 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: Amanda Fine
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Perris Valley Regional Water Reclamation Facility Control Building Addition

PROJECT SUMMARY

Construct room addition adjacent to main office in order to store uniforms. Project Location: Perris Valley Regional Water Reclamation Facility, 1301 Case Road, Perris, California.

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

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

PROJECT BUDGET

- Estimated Total Project Budget: \$77,000
- Estimated Construction Budget: \$77,000
- 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: Amanda Fine
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Perris Valley Regional Water Reclamation Facility Main Entrance Gate Modification

PROJECT SUMMARY

The Perris Valley Regional Water Reclamation Facility (PVRWRF) is located at 1301 Case Road in Perris, California. The existing chain-link gate at the main entrance to the Facility was constructed in 1995. The existing entrance currently consists of a 12-foot opening and a 12-foot wide exit divided by a centered raised median containing lighting. The scope of the project is expand this entrance to allow larger delivery trucks to safely maneuver in and out of the Facility.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2023
- Finish: Spring 2024

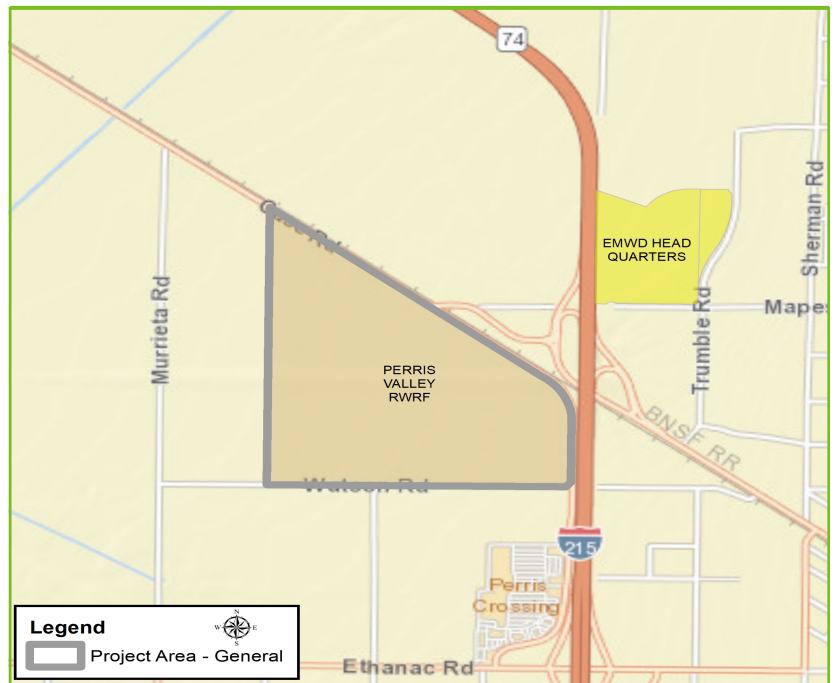
PROJECT BUDGET

- Estimated Total Project Budget: \$316,000
- Estimated Construction Budget: \$226,000
- Estimated Grant Percentage: 75%

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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Perris Valley Regional Water Reclamation Facility Septage Handling Equipment Replacement

PROJECT SUMMARY

Project is to replace existing septage handling equipment (the lakeside raptor equipment). Alternative equipment to replace the existing include simple process equipment not combined into a single unit including rag washer compactor, grit classifier, and static screens. Location: 1301 Case Road, Perris, California.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

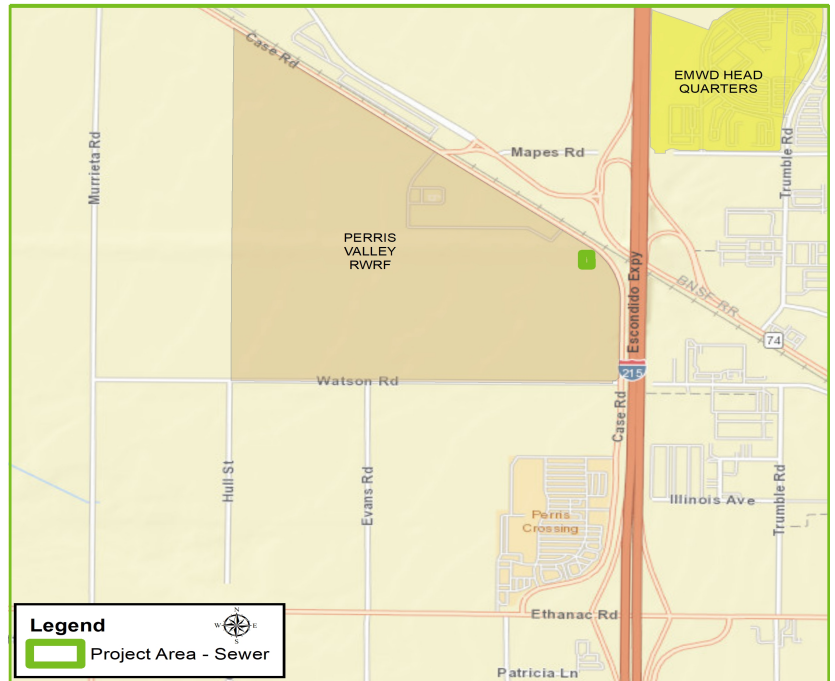
PROJECT BUDGET

- Estimated Total Project Budget: \$1,696,000
- Estimated Construction Budget: \$1,299,000
- 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: Amanda Fine
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Perris Valley Regional Water Reclamation Facility Vector Truck Dump Station

PROJECT SUMMARY

The Perris Valley Regional Water Reclamation Facility (PVRWRF) is located at 1301 Case Road in Perris, California. Due to concerns of odor, vector control, and potential impacts to groundwater, the current practice of using unlined sludge drying beds to deposit debris for drying is unsustainable for vector waste disposal. The proposed engineered vector waste disposal method will utilize a paved and sealed ground surface for dumping and, thus, provide a solution for these concerns.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2023
- Finish: Spring 2024

PROJECT BUDGET

- Estimated Total Project Budget: \$2,822,000
- Estimated Construction Budget: \$2,314,000
- 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: Amanda Fine
Public Affairs Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Woodspring Suites Hotel Sewer Improvement

PROJECT SUMMARY

Design and install a 15-inch diameter gravity sewer with the Woodspring Hotel site to accommodate the growth within the service area in the City of Moreno Valley. Project Location: West of Indian Street, South of Hemlock Avenue and North of freeway 60, in the City of Moreno Valley.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

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

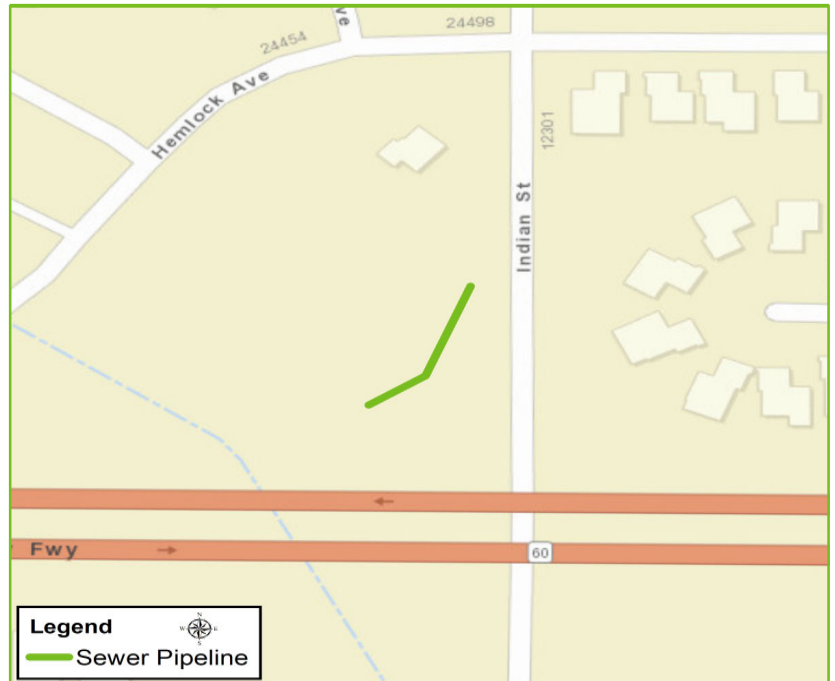
PROJECT BUDGET

- Estimated Total Project Budget: \$579,000
- Estimated Construction Budget: \$553,000
- Estimated Grant Percentage: N/A

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

- CONTACT: Alma Ramirez
Public Affairs Officer II
- PHONE: 951-928-3777 ext. 4370
- EMAIL: ramireal@emwd.org
- EMWD BOARD MEMBER:
Director David J. Slawson
Division No. 5

Eastern Municipal Water District Headquarters Security and Access Control

PROJECT SUMMARY

This project involves analysis of site access, security, and circulation improvements for Gate One and Gate Five at Eastern Municipal Water District's headquarters property located at 2270 Trumble Road, Perris, California.

CURRENT STATUS:

Design

ESTIMATED CONSTRUCTION SCHEDULE

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

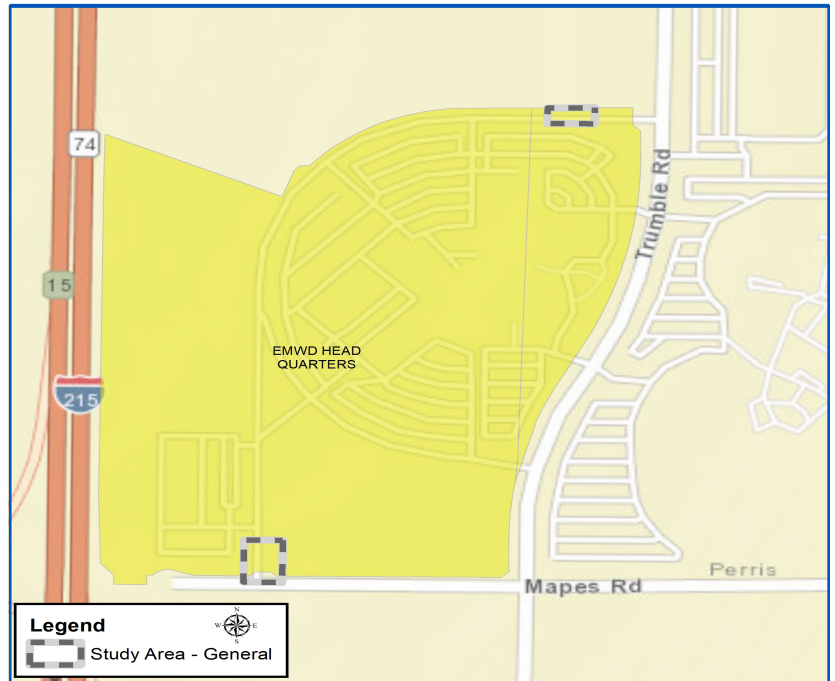
PROJECT BUDGET

- Estimated Total Project Budget: \$845,000
- Estimated Construction Budget: \$662,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Eastern Municipal Water District Headquarters Fire Alarm System Replacement

PROJECT SUMMARY

The District's Headquarter Campus consists of six buildings located at 2270 Trumble Road in Perris, California. The existing fire alarm system is not uniform throughout the Campus nor does it meet current code. The proposed project will include installation of a single fire alarm system, adjustment of sound levels, synchronization of strobing lights, replacement of sensors, and ensuring code compliance.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

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

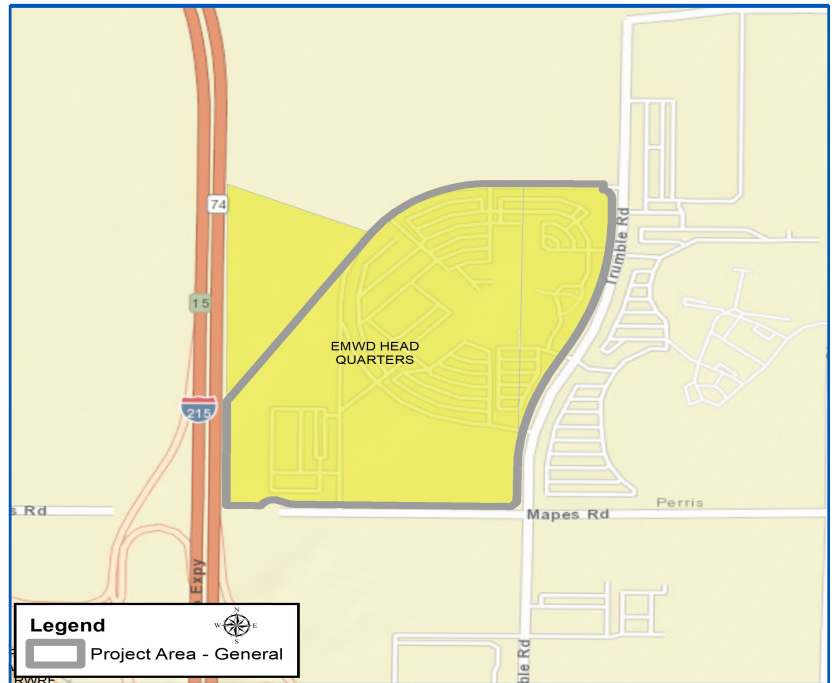
PROJECT BUDGET

- Estimated Total Project Budget: \$718,000
- Estimated Construction Budget: \$540,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

EMWD Main Office Fuel Station Upgrade

PROJECT SUMMARY

The fuel station at the EMWD HQ Campus, 2270 Trumble Road, Perris, CA 92570. This project will upgrade the existing fueling station to meet current environmental and fire regulations. Scope will include replacing nozzles, dispensing units, and constructing shade structures above the tanks and dispensing units.

CURRENT STATUS: Design

ESTIMATED CONSTRUCTION SCHEDULE

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

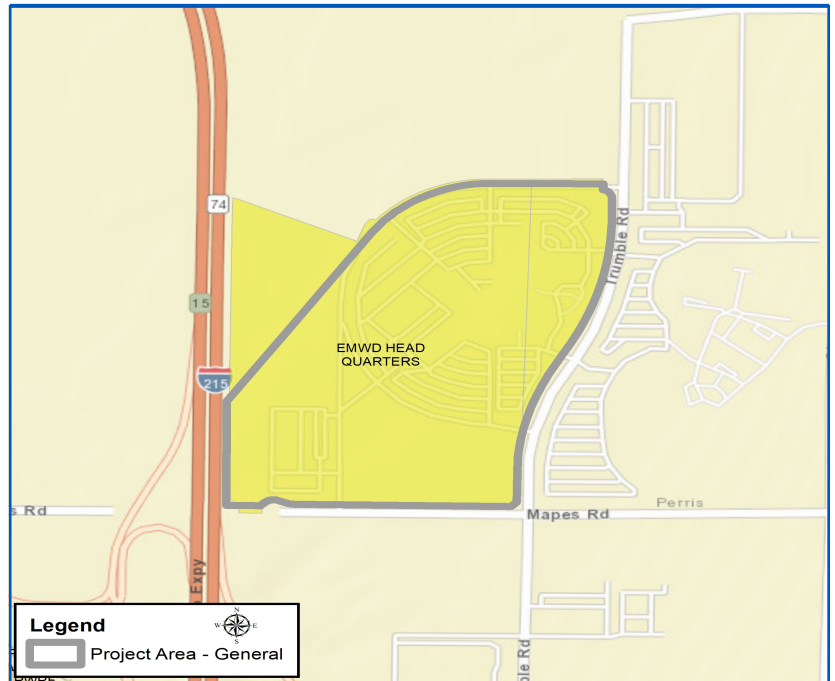
PROJECT BUDGET

- Estimated Total Project Budget: \$2,200,000
- Estimated Construction Budget: \$1,970,000
- 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 Manager
- PHONE: 951-928-3777 ext. 4206
- EMAIL: finea@emwd.org
- EMWD BOARD MEMBER:
Director Jeff Armstrong
Division No. 4

Microwave Backbone Tower Sky Mesa, Hunter and Broderson Tanks

PROJECT SUMMARY

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

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Fall 2020
- Finish: Fall 2022

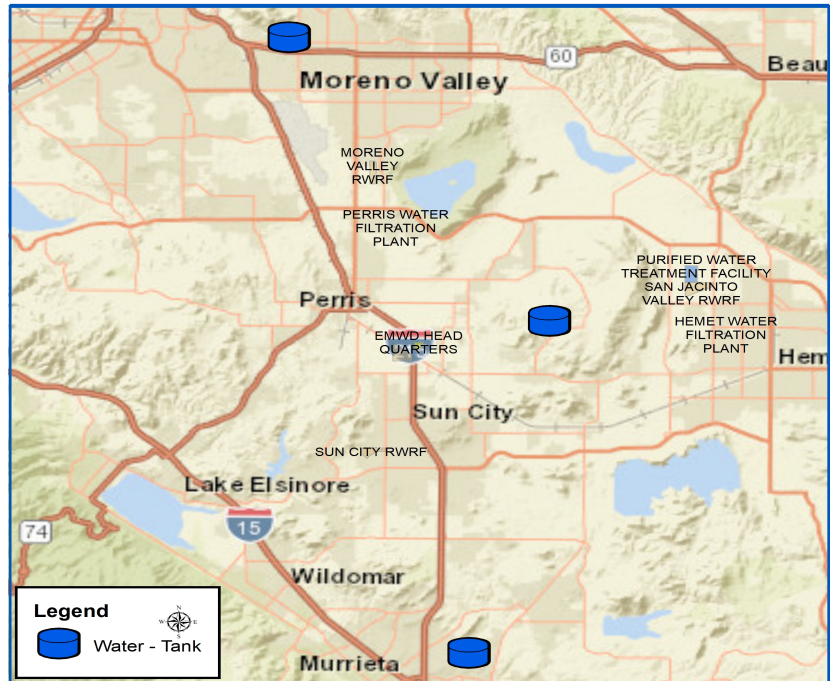
PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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

2021 Moreno Valley Flow Monitoring and Model Calibration

PROJECT SUMMARY

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

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

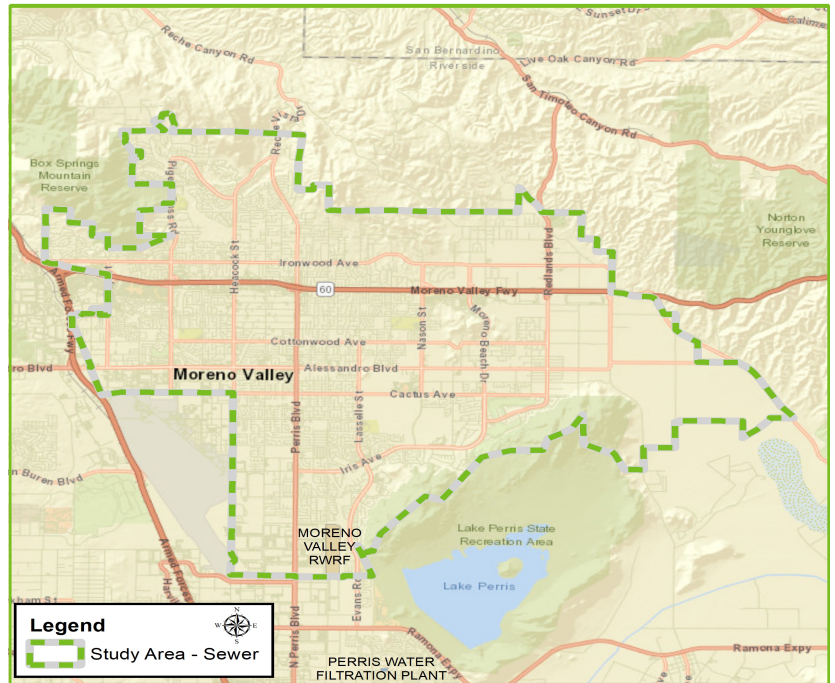
PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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

Regional Water Reclamation Facility Digester Gas Utilization Solicitation

PROJECT SUMMARY

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

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

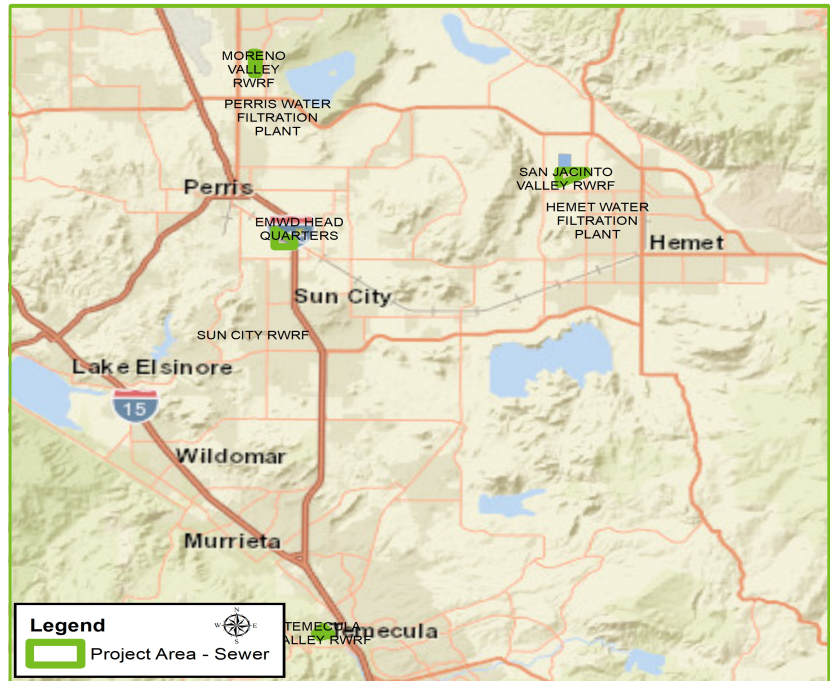
PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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

Regional Water Reclamation Facility Nutrient Loading and Treatment Evaluation

PROJECT SUMMARY

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

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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

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

PROJECT SUMMARY

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

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Summer 2024
- Finish: Fall 2025

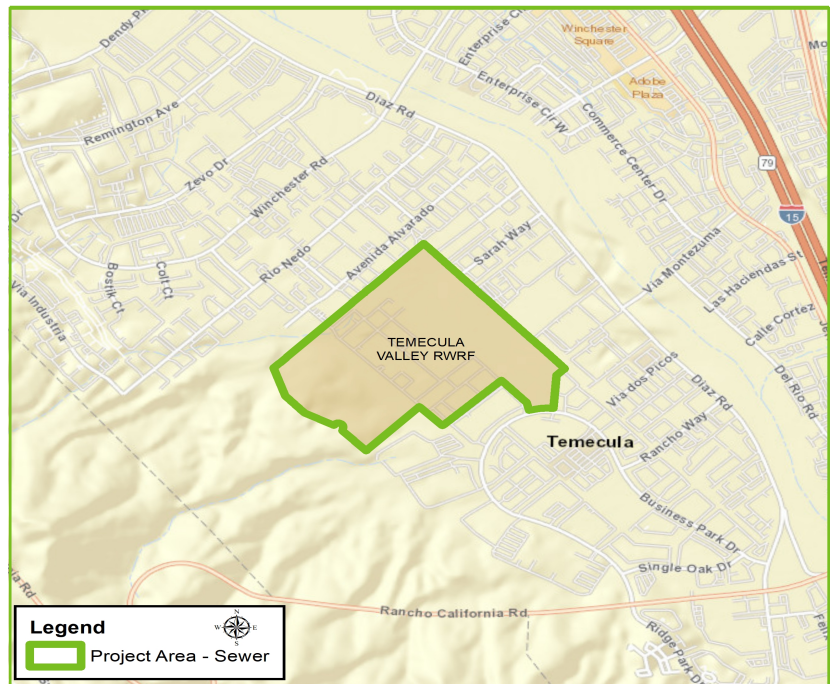
PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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

Recycled Water Distribution Study

PROJECT SUMMARY

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

CURRENT STATUS:

Planning

ESTIMATED CONSTRUCTION SCHEDULE

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

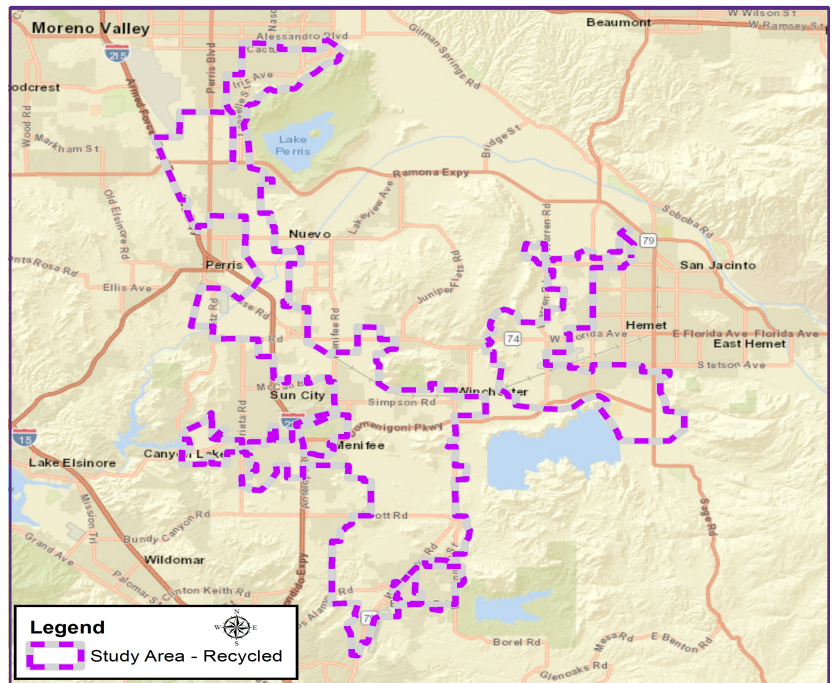
PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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

Emergency Fuel Storage Facilities

PROJECT SUMMARY

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

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

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

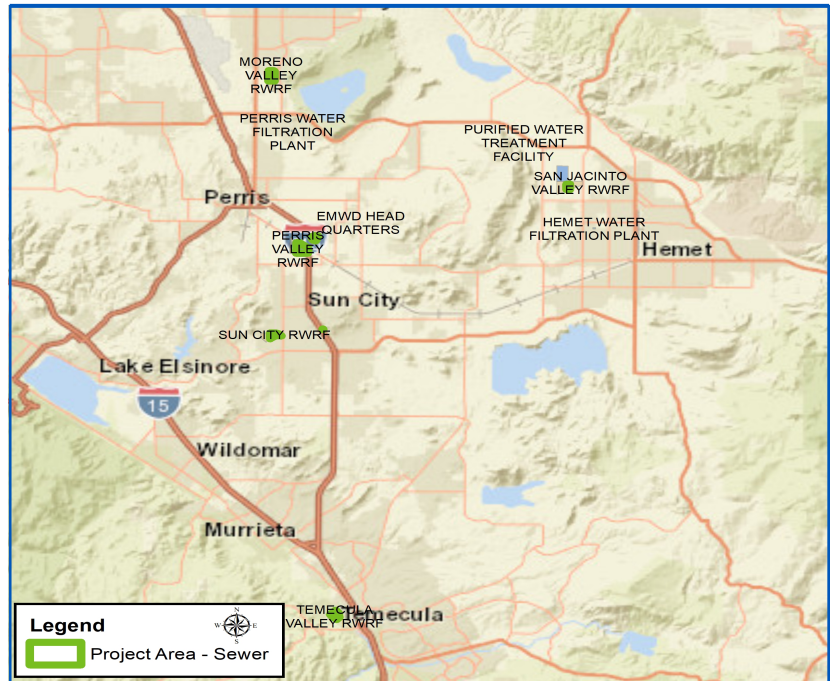
PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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

Solar Renewable Energy Initiative Phase III

PROJECT SUMMARY

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

CURRENT STATUS:

Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE

- Start: Spring 2019
- Finish: Fall 2022

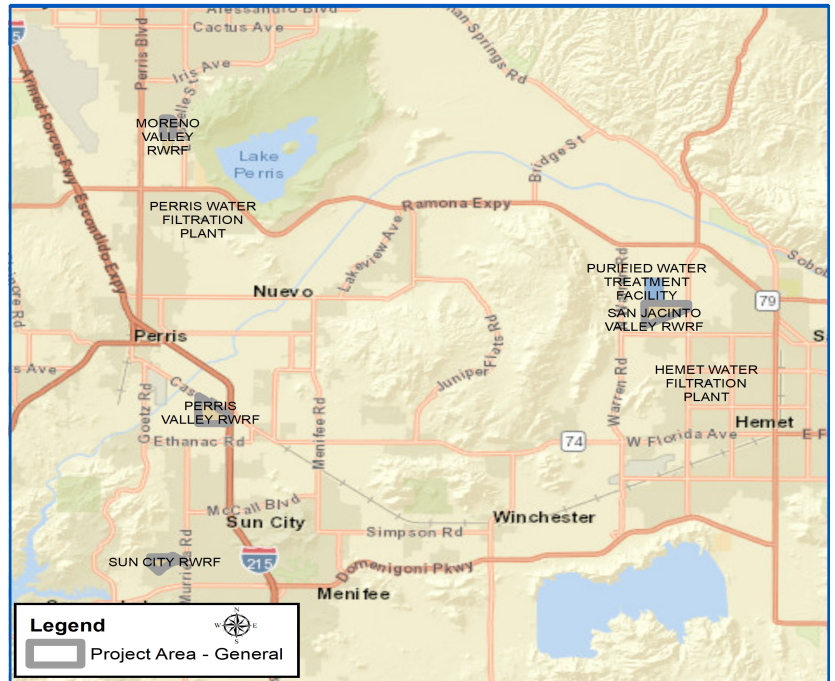
PROJECT BUDGET

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

PROJECT BENEFIT

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

PROJECT LOCATION



MORE INFORMATION

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