Multi-Division Projects

The following projects involve construction that takes place within two or more divisions in EMWD’s service area.
PROJECT SUMMARY
Annual update for potable water hydraulic model. New facilities constructed through 2019 (including backlog of as-builts) will be added to the model. In addition, existing and projected demands will be updated using 2019 COINS data. Model updates will be summarized in a TM.

CURRENT STATUS: Planning

ESTIMATED CONSTRUCTION SCHEDULE
• Start: N/A
• Finish: N/A

PROJECT BUDGET
• Estimated Total Project Budget: $96,000
• 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
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: Spring 2021
- Finish: Winter 2022/2023

PROJECT BUDGET
- Estimated Total Project Budget: $2,790,000
- Estimated Construction Budget: $2,324,000
- 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: Summer 2020

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
  Senior Public Affairs Program Manager
- 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 Diversion

PROJECT SUMMARY
This project will divert sewer flows into an adjacent downstream sewer system away from the sewer siphon at the channel. Sewer lines run from the Lake Perris State Recreation Area to the Moreno Valley RWRF. The original pipelines will remain intact for future use.

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE
- Start: Spring 2020
- Finish: Fall 2020

PROJECT BUDGET
- Estimated Total Project Budget: $209,000
- Estimated Construction Budget: $117,000
- 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 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: Fall 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: $380,000
• 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.

MORE INFORMATION
• CONTACT: Roxanne Rountree
  Senior Public Affairs Program Manager
• PHONE: 951-928-3777 ext. 4391
• EMAIL: rountrer@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. The project focus will expand to include PVRWRF, TVWRWF, 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 PVRWRF, TVWRWF, 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

Project Type: WASTEWATER
Recycled Water Distribution Study

**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 Program Manager
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountrer@emwd.org
- PROJECT MANAGER: David Ahles
- EMWD BOARD MEMBER:
  Director Multiple Division No. M
Winchester Recycled Water Pipeline Corrosion Protection

PROJECT SUMMARY

CURRENT STATUS: Bid / Construction

ESTIMATED CONSTRUCTION SCHEDULE
• Start: Spring 2020
• Finish: Fall 2020

PROJECT BUDGET
• Estimated Total Project Budget: $1,010,000
• Estimated Construction Budget: $862,000
• 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

Project Type: GENERAL
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: Spring 2021

PROJECT BUDGET
- Estimated Total Project Budget: $12,442,000
- Estimated Construction Budget: $11,300,000
- 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
  Senior Public Affairs Program Manager
- PHONE: 951-928-3777 ext. 4391
- EMAIL: rountrer@emwd.org
- PROJECT MANAGER: Gregory Kowalski
- EMWD BOARD MEMBER: Director Multiple Division No. M