

Metropolitan Water District of Salt Lake & Sandy CAPITAL PROJECT REPORT

May 2019

Last updated: April 22, 2019

Routine Non-Capacity Improvement Projects Terminal Reservoir Replacement Project (TR003)

District Project Manager:	Wayne Winsor
Design Engineer:	Bowen, Collins & Associates
Engineering Design (Actual):	\$987,868.98
Final Completion Date (Design):	August 17, 2011
Contractor:	Alder Construction
Notice to Proceed (Const.):	November 17, 2011
Substantial Completion Date:	September 24, 2018
Final Completion Date:	December 14, 2018
Other Project Costs (to date):	\$913,205.50
Engineering Services During Construction (to date):	\$2,312,717.70
Construction Contract Amount:	\$36,684,000.00
Construction Costs (to date)	\$38,103,711.90
Construction Change Orders:	\$1,419,711.90
Percent Change Orders:	3.73%
Project Budget:	\$42,237,855.00
Project Expenses to date:	\$42,045,497.82

Other Project Costs include Owner-furnished equipment, programming, security control systems, materials testing, utility connections and electronic file management system (EADOC).

The project received final completion on December 14, 2018. Staff is working with the contractor to schedule temperature-dependent warranty work in spring 2019.

Staff continues to work with the engineer to complete project as-built drawings and operation and maintenance manuals.

Public tours will be held at Terminal Reservoir on June 5th.

LCWTP – Roof Replacement, Administration Building (LC053)

District Project Manager:	Gardner Olson
Design Engineer:	AE2S
Engineering Design (Actual):	\$14,700.00
Final Completion Date (Design):	October 30, 2017
Contractor:	Disaster Professionals, LLC
Notice to Proceed (Const.):	July 2, 2018
Substantial Completion Date:	December 31, 2018
Final Completion Date (contract):	November 30, 2018
Final Completion Date (estimated):	April 15, 2019
Other Project Costs (to date):	\$265.01
Engineering Services During Construction (to date):	\$12,124.00
Construction Contract Amount:	\$151,040.33
Construction Costs (to date)	\$139,166.19
Construction Change Orders:	\$0.00
Percent Change Orders:	0%
Project Budget:	\$225,000.00
Project Expenses to date:	\$166,255.20

The project is substantially complete. Final completion will occur in spring 2019 due to temperature-dependent work and inspection. A preconstruction meeting to complete the project was held April 2.

LCWTP – Electrical Power Monitoring Upgrade (LC055)

District Project Manager:	Ammon Allen
Design Engineer:	Carollo Engineers
Engineering Design (Actual):	\$156,546.90
Final Completion Date (Design):	September 6, 2018
Contractor:	Energy Management Corp.
Notice to Proceed (Const.):	November 19, 2018
Substantial Completion Date (Contract):	April 30, 2020
Final Completion Date (Contract):	June 14, 2020
Other Project Costs (to date):	\$223,252.08
Engineering Services During Construction (to date):	\$19,377.25
Construction Contract Amount:	\$459,710.00
Construction Costs (to date)	\$101,018.00
Construction Change Orders:	\$22,950.00
Percent Change Orders:	4.99%
Project Budget:	\$1,782,000.00
Project Expenses to date:	\$500,194.23

Other Project Costs include Owner-furnished equipment and programming.

The three areas of Phase 1 are complete. The first area (Ozone) of Phase 2 began April 15 and is expected to be complete May 9.

Change Order No. 1 addressing transformers, fuses, equipment cabinet, and labels was completed in April. A second change order is anticipated in May to resolve three MCC buckets that were missed in the project specifications.

Two remaining areas at POMWTP will be addressed in FY20.

Procurement for Phase 3 (LCWTP) is in progress. Staff are procuring power meters as approved by the Board in April.

LCWTP – Scrubber Replacement (LC059)

District Project Manager:	Ammon Allen
Design Engineer:	Hansen Allen & Luce
Engineering Design (Contract):	\$34,100.00
Final Completion Date (Design):	April 30, 2019
Programming Costs (to date):	\$0.00
Engineering Services During Construction (to date):	\$0.00
Construction Costs (to date)	\$0.00
Project Budget:	\$275,000.00
Project Expenses to date:	\$4,115.36

On February 25, 2019 the Board authorized a capital transfer to begin design and procurement of a dry scrubber to replace the failing liquid scrubber at LCWTP.

The project is in design. A procurement recommendation is anticipated at the June 3 Engineering Committee and June 17 Board Meeting.

Network Backbone (Media & Hardware) Replacements

District Project Manager:	Ryan Nicholes
Project Budget:	\$316,500.00
Project Expenses to date:	\$152,453.89

Staff is actively procuring and replacing equipment and dependent hardware.

Fleet Program Replacement

District Project Manager:	Wayne Winsor
Project Budget:	\$150,000.00
Project Expenses to date:	\$148,869.89

Truck #47 was replaced in August. Two utility trucks arrived in March. A forklift was ordered in February and staff expect delivery in June.

Little Dell Dam Improvements

District Project Manager:	Bernard Mo, SLCDPU
Project Budget:	\$100,000.00
Project Expenses to date:	\$0.00

This project includes general improvements identified by Salt Lake City Department of Public Utilities, with no specific projects identified at this time. No report of work having commenced.

Repair and Replace:

Administration Building Boiler Replacement

District Project Manager:	Steve Slack
Final Completion Date:	October 1, 2018
Project Budget:	\$44,000.00
Project Expenses to date:	\$25,454.00

Installation of the boilers was completed in September 2018. The system is currently being balanced and cleaned.

SLA Turnout Valve Replacement

District Project Manager:	Steve Slack
Final Completion Date:	March 31, 2019
Project Budget:	\$65,000.00
Project Expenses to date:	\$8,937.51

Staff ordered valves to be replaced during the finished water SLA shutdown in March 2020. Installation costs will be rolled forward into FY2020 O&M budget.

Flow Meter Replacement

District Project Manager:	Scot Collier
Final Completion Date:	June 30, 2019
Project Budget:	\$64,000.00
Project Expenses to date:	\$63,440.00

Three flow meters and eight transducers are expected to arrive May 15.

POMWTP Fluorosilicic Acid Storage Tank Repair

District Project Manager:	Gardner Olson
Final Completion Date:	December 15, 2018
Project Budget:	\$32,000.00
Project Expenses to date:	\$24,842.00

The project is complete.

Lab Equipment Replacement

District Project Manager:	Jeff Matheson
Final Completion Date:	June 30, 2019
Project Budget:	\$72,300.00
Project Expenses to date:	\$32,814.50

Staff purchased a new Gas Chromatograph. An inorganics dishwasher, fume hood, and muffle furnace are also being procured.

Annual Network Server Replacement

District Project Manager:	Darin Klemin
Final Completion Date:	Ongoing
Project Budget:	\$50,000.00
Project Expenses to date:	\$49,480.73

The servers were received and installed.

Miscellaneous

District Project Manager:	Wayne Winsor
Project Budget:	\$50,000.00
Project Expenses to date:	\$37,630.04

Electrical wiring for LCWTP site lighting was found to be unrepairable. \$3,200 will be spent on new wiring.

Other Capital Projects

Jordan Aqueduct System and 150th South Pipeline – Capital Projects

The District is responsible for 2/7 of Jordan Aqueduct (JA) system improvements which include JA Reaches 1 – 4, Jordan Valley Water Treatment Plant (JVWTP) and the JA Terminal Reservoir. The District is responsible for ½ of improvements associated with the 150th South pipeline. Projects identified for FY 2019 include:

- SCADA replacement for JVWTP, JA & 150th South \$ 58,165.00
- Microwave Communications System Replacement \$ 102,816.00
- JVWTP- 1 MG Backwash Reservoir Painting \$ 264,171.00
- JVWTP Washwater / Solids Handling Improvements \$ 281,829.00
- JA Extraordinary Maintenance and Replacement \$ 56,921.00
- JVWTP/TR Extraordinary Maintenance and Replacement \$ 268,857.00
- 150th South Extraordinary Maintenance and Replacement \$ 10,000.00
- JVWTP Project Management Expenses \$ 44,500.00

Total Request FY 2019: \$ 1,087,259.00
 Projected to be spent in FY 2019: \$ 445,814.00

The SCADA replacement looks to be finished in FY2020. The interior coating of the 1 MG backwash reservoir is complete and the reservoir operational; exterior work will proceed as weather allows and will be complete in FY19.

The Microwave Communications System Replacement and JWTP Washwater / Solids Handling Improvements are being reassessed. These projects are being pushed to FY20 and FY21, resulting in a lower spending projection for the current fiscal year.

Other Projects

No report at this time.