

Metropolitan Water District of Salt Lake & Sandy CAPITAL PROJECT REPORT

January 2019

Last updated: January 9, 2018

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):	\$904,784.92
Engineering Services During Construction (to date):	\$2,310,969.70
Construction Contract Amount:	\$36,684,000.00
Construction Costs (to date)	\$37,909,441.53
Construction Change Orders:	\$1,419,711.90
Percent Change Orders:	3.73%
Project Budget:	\$42,237,855.00
Project Expenses to date:	\$41,841,058.87

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. The contractor will be performing 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.

LCWTP – Roof Replacement, Administration Building (LC053)

District Project Manager:	Gardner Olson
Design Engineer:	AE2S
Engineering Design (Actual):	\$13,800.00
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):	\$0.00
Engineering Services During Construction (to date):	\$6,594.00
Construction Contract Amount:	\$151,040.33
Construction Costs (to date)	\$0.00
Construction Change Orders:	\$0.00
Percent Change Orders:	0%
Project Budget:	\$225,000.00
Project Expenses to date:	\$20,394.00

The contractor received substantial completion on December 31, 2018, after receiving a grace period from the District. A project walkthrough occurred on January 9, 2019.

A list of work needing correction or attention was compiled. Some of these require waiting until spring. The remaining items will be completed by the end of January 2019.

LCWTP – Electrical Power Monitoring Upgrade (LC055)

District Project Manager:	Ammon Allen
Design Engineer:	Carollo Engineers
Engineering Design (Actual):	\$126,652.09
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):	\$123,311.69
Engineering Services During Construction (to date):	\$0.00
Construction Contract Amount:	\$459,710.00
Construction Costs (to date)	\$0.00
Construction Change Orders:	\$0.00
Percent Change Orders:	0.00%
Project Budget:	\$1,782,000.00
Project Expenses to date:	\$274,817.10

Other Project Costs include Owner-furnished equipment and programming.

The contractor was delayed due to availability of parts. Phase 1 is anticipated to begin January 21.

Staff identified a major equipment compatibility issue during bench testing, and is evaluating alternatives to resolve the concern.

The current project schedule is to span over three (3) fiscal year budgets.

Network Backbone (Media & Hardware) Replacements

District Project Manager:	Ryan Nicholes
Project Budget:	\$316,500.00
Project Expenses to date:	\$137,734.12

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:	\$98,435.41

Truck #47 was replaced in August. Two utility trucks were ordered in October and are anticipated to arrive in March.

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

Work was completed in September 2018.

SLA Turnout Valve Replacement

District Project Manager:	Steve Slack
Final Completion Date:	March 31, 2019
Project Budget:	\$65,000.00
Project Expenses to date:	\$0.00

Staff is obtaining quotes for the valves. Valves will be replaced during the next finished water SLA shutdown.

Flow Meter Replacement

District Project Manager:	Scot Collier
Final Completion Date:	June 30, 2019
Project Budget:	\$64,000.00
Project Expenses to date:	\$0.00

Staff will make a procurement recommendation at the January Board meeting to acquire three flow meter consoles.

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:	\$0.00

Tank No. 2 was finished Nov 21. Tank No. 1 was finished Dec 10. The contractor is now fixing a leak at a flange on Tank No. 2.

Lab Equipment Replacement

District Project Manager:	Jeff Matheson
Final Completion Date:	June 30, 2019
Project Budget:	\$72,300.00
Project Expenses to date:	\$32,814.49

Staff purchased a new Gas Chromatograph (GC). Additional costs for a computer and disposal of older GC have yet to occur.

Purchase of an Ultraviolet Spectrometer and GC/Mass Spectrometer will not occur this year as planned. Staff implemented remediation steps on these devices such that improved their functionality and increased their useful life for an additional 4 to 6 years.

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 will be installed in the coming months.

Miscellaneous

District Project Manager:	Wayne Winsor
Project Budget:	\$50,000.00
Project Expenses to date:	\$19,870.62

Since the last report a chlorine injector board was procured for \$6,171.16.

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 Tank: Project was modified to include five more JVWTP facilities, with work anticipated during the JVWTP shutdown in fall/winter 2018. \$ 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: \$ 525,586.00

The SCADA replacement and 1MG backwash tank projects will be complete in FY19.

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

Other Projects

No report at this time.

CALENDAR 2019

January

- 15 Executive Committee Meeting – 9:00 a.m.
- 17 SCPUAB Meeting – 7:00 a.m.
- 24 SLCPUAC Meeting – 7:00 a.m.
- 24 PRWUA Board Meeting – 10:00 a.m.
- 28 MWDSLS Work Session - 3:30 p.m.
- 28 MWDSLS Board Meeting – 4:30 p.m.

February

- 5 Engineering Committee Meeting – 10:00 a.m.
- 21 SCPUAB Meeting – 7:00 a.m.
- 25 MWDSLS Work Session - 3:30 p.m.
- 25 MWDSLS Board Meeting – 4:30 p.m.
- 28 SLCPUAC Meeting – 7:00 a.m.
- 28 PRWUA Annual Shareholders Meeting and Board Meeting - 10:00 a.m.

March

- 5 Management Advisory Committee Meeting – 8:30 a.m.
- 18 Water Law & Policy Seminar – St. George
- 19-20 Utah Water Users Workshop – St. George
- 21 SCPUAB Meeting – 7:00 a.m.
- 25 MWDSLS Work Session - 3:30 p.m.
- 25 MWDSLS Board Meeting – 4:30 p.m.
- 28 SLCPUAC Meeting – 7:30 a.m.
- 28 PRWUA Board Meeting – 10:00 a.m.

MWDSLS – Metropolitan Water District of Salt Lake & Sandy
PRWUA – Provo River Water Users Association
SLCPUAC – Salt Lake City Public Utilities Advisory Committee
SCPUAB – Sandy City Public Utilities Advisory Board

Last 1/02/2019

January 2019						
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February 2019						
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April 2019						
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May 2019						
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June 2019						
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July 2019						
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August 2019						
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September 2019						
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October 2019						
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November 2019						
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December 2019						
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MWDSLS Board of Trustees	
EVENT	TIME/DATE
Work Session	3:30 PM
Board Meeting	4:30 PM
May Public Hearing	6:00 PM
Management Advisory Committee	8:30 AM
Executive Committee	9:00 AM
Engineering Committee *Tentative	10:00 AM
Finance Committee	10:00 AM
Environmental Committee	10:00 AM ^9:00 AM
Holidays	
Utah Water Users Association – St. George, UT	Mar 18-20
AWWA National – Denver, CO	June 9-12
Intermountain Section AWWA – Sun Valley, ID	Oct 9-11
Utah Association of Special Districts – Layton, UT	Nov 6-8
NWRA Convention – Houston, TX	Nov 6-8
CRWUA – Las Vegas, NV	Dec 11-13

2019