

Metropolitan Water District of Salt Lake & Sandy CAPITAL PROJECT REPORT

April 2019

Last updated: April 7, 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. 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.

Tours for “Water Week” will be held at Terminal Reservoir site the first week in May.

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):	\$213,810.70
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:	\$0.00
Percent Change Orders:	0.00%
Project Budget:	\$1,782,000.00
Project Expenses to date:	\$490,752.85

Other Project Costs include Owner-furnished equipment and programming.

Phase 1 is divided in three areas at POMWTP. Two areas are complete. The third area (floc/sed) is scheduled to be complete by April 15. A fourth area will be completed between April 15 and May 31.

The two remaining areas at POMWTP will be addressed in Phase 2 during FY20.

Procurement for Phase 3 (LCWTP) is in progress. Staff will seek authorization for power monitor procurement from 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 17 Board Meeting.

Network Backbone (Media & Hardware) Replacements

District Project Manager:	Ryan Nicholes
Project Budget:	\$316,500.00
Project Expenses to date:	\$142,218.41

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.

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:	\$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:	\$63,440.00

Three flow meters and eight transducers were ordered on January 29, 2019 and are expected to arrive in May.

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 and now seeks to procure an inorganics dishwasher, fume hood, and muffle furnace.

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 the 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 – The contractor has completed the coating on the interior of the reservoir and it is now operational. Exterior work will proceed as weather allows. \$ 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. 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 and FY21, resulting in a lower spending projection for the current fiscal year.

Other Projects

No report at this time.

CALENDAR 2019

April

- 2 Environmental Committee Meeting – 8:30 a.m.
- 2 Finance Committee Meeting – 10:00 a.m.
- 15 MWDSLS Work Session 3:30 p.m.
- 15 MWDSLS Board Meeting 4:30 p.m.
- 18 SCPUAB Meeting – 7:00 a.m.
- 25 SLCPUAC Meeting – 7:30 a.m.
- 25 PRWUA Board Meeting – 10:00 a.m.
- 30 Executive Committee Meeting – 9:00 a.m.
- 30 Engineering Committee Meeting – 10:00 a.m.

May

- 16 SCPUAB Meeting – 7:00 a.m.
- 20 MWDSLS Work Session - 3:30 p.m.
- 20 MWDSLS Board Meeting – 4:30 p.m.
- 20 MWDSLS Public Hearing – 6:00 p.m.
- 23 SLCPUAC Meeting – 7:30 a.m.
- 23 PRWUA Board Meeting – 10:00 a.m.

June

- 3 Engineering Committee Meeting (tentative) – 10:00 a.m.
- 4 Management Advisory Committee Meeting – 8:30 a.m.
- 4 Finance Committee Meeting – 10:00 a.m.
- 9-12 AWWA National – Denver
- 17 MWDSLS Work Session – 3:30 p.m.
- 17 MWDSLS Board Meeting – 4:30 p.m.
- 20 SCPUAB Meeting – 7:00 a.m.
- 27 SLCPUAC Meeting – 7:30 a.m.
- 27 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

January 2019						
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February 2019						
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March 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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MWDSL 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