

**JORDAN VALLEY WATER TREATMENT PLANT & JA-2 TERMINAL RESERVOIR,
JORDAN AQUEDUCT, AND 15000 SOUTH PIPELINE
MANAGEMENT COMMITTEES MEETING**
(Tentative and not yet approved)

March 29, 2022, at 1:30 p.m.

A meeting of the Jordan Valley Water Treatment Plant & JA-2 Terminal Reservoir, Jordan Aqueduct, and 15000 South Pipeline Management Committees was held Tuesday, March 29, 2022, at 1:30 p.m. in the JVVCD board room

Committee Members Present:

Alan Packard, Jordan Valley Water Conservancy District
Annalee Munsey, Metropolitan Water District of Salt Lake & Sandy
Shazelle Terry, Assistant General Manager, Jordan Valley Water Conservancy District
Devin McKrola, Central Utah Water Conservancy District
Wayne Winsor, Metropolitan Water District of Salt Lake & Sandy

Others Present:

Alicia Sekiller, Jordan Valley Water Conservancy District
Brian Callister, Jordan Valley Water Conservancy District
Gordon Batt, Jordan Valley Water Conservancy District
Matt Tietje, Metropolitan Water District of Salt Lake & Sandy
Michele Guy, Jordan Valley Conservancy District
Shane Swensen, Jordan Valley Water Conservancy District
Wade Tuft, Jordan Valley Water Conservancy District

Not Present

Daryl Devey, Central Utah Water Conservancy District
Jared Hansen, Central Utah Water Conservancy District
Paul Pierpont, Central Utah Water Conservancy District
Will Garner, Central Utah Water Conservancy District

Call to Order

Shazelle Terry called the meeting to order at 1:31 p.m. and introduced the five voting members of the three management committees represented in today's meeting. All other attendees were introduced.

The Jordan Aqueduct Management Committee (JAMC) has five voting members: Shazelle Terry and Alan Packard of Jordan Valley Water Conservancy District (JVVCD), Annalee Munsey and Wayne Winsor of Metropolitan Water District of Salt Lake & Sandy (MWDSL), and Devin McKrola.

The Jordan Valley Water Treatment Plant (JVVTP) and Jordan Aqueduct Reach 2 (JA-2) Terminal Reservoir (TR) Management Committee has the same five voting members.

The 15000 South Pipeline Management Committee is owned half (50%) by JVVCD and half (50%) by MWDSL. The voting members of this committee include Shazelle Terry and Alan Packard of JVVCD, and Annalee Munsey and Wayne Winsor of MWDSL.

Approval of the minutes of the Jordan Valley Water Treatment Plant & JA-2 Terminal Reservoir, Jordan Aqueduct, and 15000 South Pipeline Management Committees meeting held March 31, 2020

Ms. Terry identified minor clerical changes that were made to the minutes from the Jordan Valley Water Treatment Plant & JA-2 Terminal Reservoir, Jordan Aqueduct, and 15000 South Pipeline Management Committees meeting held March 31, 2020. Mr. Alan Packard suggested we change the wording on page four of the minutes to be changed to insurance brokers are evaluated every 3 to 5 years, while policies are repriced every year., Ms. Terry asked for a motion to approve the March 31, 2021, minutes. Mr. Packard moved to approve the minutes. Mr. McKrola seconded the motion. The motion was approved as follows:

- | | |
|----------------------|--------------------|
| Shazelle Terry – aye | Alan Packard – aye |
| Annalee Munsey – aye | Wayne Winsor – aye |
| Devin McKrola – aye | |

Ms. Terry reviewed the calculation used for personnel costs for all the proposed budgets which consists of the actual personnel costs billed to MWDSLS for FY 2019/2020, with the 4.0% budget increase for FY 2020/2021 added and last, adding a 7.2% proposed budget increase for FY 2022/2023. to adjust the inflation rates of this past year. however, there was a decrease in the JAMC budget of an overall 1%

Consider Approval of the 2022-2023 Annual Operation & Maintenance Budget for the Jordan Aqueduct (JA)

- The Jordan Aqueduct (JA) Operation budget was reviewed. Items of note are as follows:
- The proposed 4.0% personnel budget increase for FY 21/22 falls within the budgeted 4.0% increase. 22/23 budget has been raised to 7.2% due to inflation the past year.
- The personnel budget had a 3% decrease due to open positions and retirements.
- Vehicles expenses are increased at 167%. This is calculated by the individual driving each vehicle and applying their percentage. Last year the car was 34k and this year it is 41k, due to inflation and this year we needed two vehicles in comparison to the one the previous year.
- Uniform expenses had a slight increase, giving all O&M employees a \$50 added to their uniform allowance since their budget hasn't been updated since 2009.

Ms. Terry reviewed the JA Maintenance Budget. Items to note are as follows:

- The proposed 4.0% personnel budget increase for FY 21/22 falls within the budgeted 4.1% increase.
- Scheduled maintenance is on a large decrease at 54% primarily due to \$25,000 in *Audit perfection* the work was completed and will not be needed in the upcoming budgets.
- Buildings and grounds expenses have increased 31%. Most of this increase is in the Natural Terrain Landscaping contracts. The District has had to contract out more of the work due to the loss of personnel. Inflation rates have also increased the cost of the

outsourced work.

- The repair and replace budget have decreased 6%, this varies year to year.
- General equipment has decreased by 48%
- Data processing decreased due to the decrease in maintenance personnel percentage. Also varies based on who is getting new equipment.
- New vehicles, last year only one truck this year we have three pickups and one utility vehicle which cost \$187,000.
- Insurance premium increased for liability and property, 12.5% P, L 21% number of claims and significance of the claims.

Mr. Alan Packard requested a quote for the new fiscal year. Requesting a price in of our current deductible to see what kind of savings could be had with an increase in the deductible.

Ms. Terry asked for a motion to approve the 2022/2023 Operation and Maintenance Budget for the Jordan Aqueduct. Mr. Wayne Windsor moved to approve the 2022/2023 Jordan Aqueduct Annual Operation & Maintenance Budget. Mr. Packard seconded the motion. The motion was unanimously approved:

Shazelle Terry – aye
 Annalee Munsey – aye
 Devin McKrola– aye

Alan Packard – aye
 Wayne Winsor – aye

Ms. Terry introduced that the water we are treating has been reduced by 2500-acre feet due to drought.

The proposed 2022/2023 Annual Operation & Maintenance Budget for the Jordan Valley Water Treatment Plant (JVWTP) was reviewed. Items of note in the Operations budget are as follows:

- The personnel budget has decreased by 9% because of recent retirements and open positions.
- The previous FY 21/22 chemicals budget had increased 40% due to an increased cost for our chemicals due to inflation. The cost per chemical has increased as the following states: 15% Fluoride. 10%PAC 40% Chlorine
- Fuel prices continue to rise, prices are budget at the current price, with increased pricing forecasted.
- The data processing budget has decreased 34% security systems purchased the year before.
- Laboratory costs decreased 64% due to machinery purchased the past year. This percentage includes the money left over from the water testing finances.

Mr. McKrola inquired about employee use of company fuel over state fuel stations. Mr. Brian Callister replied that using the company fuel for company cars is the expectation.

Mr. Callister added the cost of gasoline at the District is significantly lower

than other gas stations however, there are exceptions; Mr. Callister explained if employees are out on a job and need fuel, they have a gas card and a list of state-run vendors to help keep the fuel prices more affordable, even with the cost of inflation.

The 2022/2023 JWTP Maintenance budgeted amounts are comparable. Items of note in the Maintenance budget are as follows:

- There is a decrease in the personnel budget of 2%
- Buildings and grounds expenses have decreased by 39%, part of this is due to the moving of funds into the Scheduled maintenance budget which has increased by 84% due to the extra fund allocations.
- The repair and replace budget have increased 23% due to boiler repairs and unanticipated repairs.
- General equipment has decreased by 63%
- Telemetry has increased 72% because of a new breaker replacement.
- Total increase is approximately 7%

There being no more discussion Mr. McKrola made a motion to approve the 2022/2023 Operations and Maintenance Budget for the Jordan Valley Water Treatment Plant. Ms. Terry seconded the motion. The motion was unanimously approved:

Shazelle Terry – aye
Annalee Munsey – aye
Devin McKrola – aye

Alan Packard – aye
Wayne Winsor – aye

The proposed 2022/2023 JA-2 Terminal Reservoir Operation and Maintenance Budget was reviewed. Items of note are as follows:

- The operations personnel budget decreased slightly because of fewer projects and work needed at the Terminal Reservoir
- Chemicals had a large increase with the price of gas chlorine increasing 60% with an over all chemical increase of 170%.
- Tools saw a 217% (\$2,242.48) increase with battery replacement and four light replacements in the terminals.

Ms. Terry asked for a motion to approve the 2022/2023 Operations and Maintenance Budget for the JA-2 Terminal Reservoir. Mr. Packard made a motion to approve the 2022/2023 Operations and Maintenance Budget for the JA-2 Terminal Reservoir. Ms. Munsey seconded the motion. The motion was unanimously approved:

Shazelle Terry – aye
Annalee Munsey – aye
Devin McKrola – aye

Alan Packard – aye
Wayne Winsor – aye

Consider Approval of the 2022/2023 Annual Operation & Maintenance Budget for the 15000 South Pipeline

The proposed 2022/2023 Operation & Maintenance Budget for 15000 South Pipeline was reviewed. Items of note are as follows:

- Both the operations and maintenance proposed personnel budget increase amounts are 7%
- The blue stakes amount in the maintenance budget has decreased 16%
- Scheduled maintenance has increased 16%

There being no questions or discussion, Ms. Terry asked for a motion to approve the 2022/2023 Operation and Maintenance Budget for the 15000 South Pipeline. Ms. Munsey moved to approve the 2022/2023 Operation and Maintenance Budget for the 15000 South Pipeline. Mr. Packard seconded the motion. The motion was unanimously approved:

Shazelle Terry – aye	Alan Packard – aye
Annalee Munsey – aye	
Devin McKrola – aye	Wayne Winsor – aye

Report on progress of budgeted capital improvement and extraordinary maintenance projects

Mr. Shane Swensen provided updates on projects budgeted in the previous 2021/2022 fiscal year. He also reviewed the tentative budget for fiscal year 2022/2023 and the amount spent to date. Last year’s progress of the capital improvement and extraordinary maintenance projects was also reviewed. Project details are included in the packet on pages 65 – 81.

Completed Projects

- JWTP Chlorine room Crane Improvements #4137 was completed. Originally crane supplier suggested reconstructing the crane, after several delays they decided to replace the crane with a new one.
- Terminal Reservoir Basins 1&2 all the joint sealants were replaced.
- Hazard mitigation plan #4219, is not a cost share. Allows us to identify hazards within our facilities and to help qualify for FEMA grants. -
- Transmission/ Distribution Stabilization study #4060- also not a cost share. Completed a multiyear study characterizing the chemical and physical processes that occur when different water sources blend.

Current Projects

- The JA-4 Blowoff & Turnouts Improvements, #4232, This project will re-establish and improve blowoff connections for JA Reach 4. 50% of

drawings are completed with bids for the upcoming year expected for June 2022

- The JA-\$ Vault Vending Improvements #4187. Project is much less than originally anticipated total cost expected is about \$30,000. Materials have been acquired project completion estimated to be June 2022.
- The JA-1 condition assessment- Project is ongoing on a separate non-cost sharing pipe. No large area of concern with small areas to monitor.
- Point of the mountain Actuator replacements, #4221. Parts unavailable until Fall 2022.
- The JA-3 cathodic Protection System Repairs # 4223 further evaluation required as rectifier to create the desired impressed cathodic protection on this sector. Completion expected Spring 2022.
- The JA-4 System repairs #4229 Infinity Corrosion Group conducted testing for areas of insufficient Cathodic protection on the pipeline. A list of actions items is currently being created.
- The JA-3 Sodium Hypochlorite booster tank repair #4256. New day tank ordered to be replaced.
- The JWTP Culinary Reservoir Repairs #4193, closed the reservoir for the first time and filled all the cracks. Soil was removed from the top and replaced with gravel. Should be completed in April 2022.
- The JWTP Sedimentation Basin Solids Removal Equipment #4138- Installation date of October 2022, New design will include increased bracing and the addition of plate settlers. Awarded Bids are currently expected in April. It is anticipated that structural supports to be installed in the current design with plate packs expected install in 2023/2024 fiscal year.
- The JWTP pH Chemical Feed Facility, Work will be planned with JWTP expansion.
- The JWTP Floc/sed basins 1&2 Seismic Upgrade. Pre-design work currently be completed. District has requested FEMA funding to assist. Project is expected to be completed in Summer 2026
- The JWTP Blower Room Improvements #4070. Engineering bidding out in April 2022.

- High Rise Leak Repairs, #4192, currently procuring services for 8 windows.
- The JWTP/ Terminal Reservoir Security Improvements #4224, 4265, 4267. New communications tower was installed to improve communications across the valley.
- The JWTP Utility Water and Backwash Redundancy, #4072. Blowoff that recycles water was installed and is used as a backup option. Backup to was wash-up tank is still needed.
- The JWTP Filter Pilot Study #4212. Evaluating the various available medias. Results will be presented to the Utah Division of Drinking Water.
- The JWTP Landscape Improvements #4234 removal of sod for more waterwise landscaping. The Expected completion date is summer 2022.
- The 1500 South pump Station Evaluation #4107. Project anticipated to begin Summer 2022.

Consider Approval of 2022/2023 Annual Capital Improvement & Extraordinary Maintenance Budget for the Jordan Aqueduct

Mr. Swensen reviewed the Jordan Aqueduct System proposed capital improvement and extraordinary maintenance projects for FY 2022/2023. Projects include the following:

- The New Water Supply Equipment & Emergency Response Facility project is budgeted at \$0.00 due to the need to move the project to a future date.
- JA-4 Normal Capital Improvements at \$955,996 the District will be responsible for \$682,854 After remaining reimbursements.
- JA-4 Vault Venting Improvements.
- JA-4 Blow offs are currently out for bid.
- JA-4 Elevator Modernization
- JA-4- Filter Gallery Painting
- JA-4 High Rise Leaking Repairs
- JA-4- Terminal Reservoir Chlorine Booster and Site Improvement
- Contingency for other misc. projects (routine budgeted amount).

Ms. Terry asked for a motion to approve the 2022/2023 Annual Capital Improvement & Extraordinary Maintenance Budget for the Jordan Aqueduct. Mr. Packard moved to approve the 2022/2023 Annual Capital Improvement & Extraordinary Maintenance Budget for the Jordan Aqueduct. Mr. Winsor seconded the motion. The motion was approved unanimously:

Shazelle Terry – aye	Alan Packard – aye
Annalee Munsey – aye	Wayne Winsor – aye
Devin McKrola – aye	

Consider Approval The JWTP and TR proposed capital improvement and extraordinary

**of 2022/2023
Annual Capital
Improvement and
Extraordinary
Maintenance
Budget for the
JWWTP and TR**

maintenance projects for FY 2022/2023 include the following:

- 15000 South Pipeline Normal Capital improvements for \$25,000

Mr. Packard moved to approve the 2022/2023 Annual Capital Improvement & Extraordinary Maintenance Budget for the JWWTP and JA-2 Terminal Reservoir. Mr. Windsor seconded the motion was unanimously approved:

Shazelle Terry – aye	Alan Packard – aye
Annalee Munsey – aye	Wayne Winsor – aye
Devin McKrola – aye	

**Consider approval
of 2022/2023
Annual Capital
Improvement and
Extraordinary
Maintenance
Budget for the
15000 South
Pipeline**

Mr. Swensen reviewed the proposed 2022/2023 Annual Capital Improvement and Extraordinary Maintenance Budget for the 15000 South Pipeline. The only planned project is the 15000 South Pump Station Evaluation and contingency for miscellaneous projects.

Ms. Terry asked for a motion to approve the 2022/2023 Annual Capital Improvement & Extraordinary Maintenance Budget for the 15000 South Pipeline. Mr. Winsor moved to approve the 2022/2023 Annual Capital Improvement & Extraordinary Maintenance Budget for 15000 South Pipeline. Mr. Packard seconded the motion. The motion was unanimously approved:

Shazelle Terry – aye	Alan Packard – aye
Annalee Munsey – aye	Wayne Winsor – aye
Devin McKrola – aye	

Discussion Items:

**Review Updated
Ten-Year Plan for
Capital
Improvement and
Extraordinary
Maintenance
Projects**

Mr. Swensen reviewed the Ten-Year Plan for Capital Improvement and Extraordinary Maintenance budgeted amounts for projects. The large projects anticipated during the next 5 years include:

- Upgrades to the sedimentation and flocculation basins at the JWWTP is budgeted for over the next few years with the consulting costs budgeted for in the next fiscal year, construction is planned to begin in fiscal year 22/23 with the highest cost falling into the following two fiscal years.
- The expansion of the JWWTP to a capacity of 220 MGD is now a separate project from the sedimentation and flocculation basin and is spread out over the next 5 years.
- JWTP pH Control Chemical Feed Facility
- JWWTP flocculation basins 1&2 seismic upgrade and capacity increase
- JWWTP Utility Water and backwash tank back up facilities
- JWWTP Basins 1&2 Flocculator equipment replacement
- JWWTP reclaim water and solids handling improvement.

- JWTP floosed basins 3-6 seismic upgrade and capacity increase

Mr. McKrola inquired if these were being paid for with year to year savings or if there was a reserve. Mr. Swenson responded that the District tries to set water rates with regular maintenance in mind.

Ms. Terry included the revenues are kept in budget by water rates and are kept as a revenue stabilization fund to support needed maintenance.

**Report on
Jordan/Alpine
Aqueduct
Encroachment
Management
Project**

Ms. Michelle Guy reviewed the status of the JA encroachment management program that was started in 2011. As with the previous year's report in 2021, COVID-19 has impacted the program. The Program is expected to restart once there is the employees needed All encroachment removal projects for the Jordan Aqueduct are detailed in the packet on page 85-90.

**Report on
Jordan/Alpine
Aqueduct
Encroachment
and Subdivision
Agreements**

A detailed list of agreements is provided in the packet on page 91-93. Ms. Guy noted the number of agreements waiting signature have increased, this is attributed to the Bureau finally catching up from the hardships of COVID-19.

**Consider
Schedule for
Annual Facilities
Inspection Tour:**

The Committee agreed that a facilities tour of JWTP would be ideal and should be scheduled for some time in May. Possible dates will be provided to the Committee in an upcoming email to facilitate scheduling.

Ms. Munsey requested a tour of the JWTP Labs.

Adjournment:

There being no more business, Ms. Terry asked for a motion to adjourn the meeting. Ms. Terry made the motion to adjourn. The meeting was adjourned at 3:07p.m.