

COTTONWOODS CONNECTION –

Cottonwood Heights
City Council Presentation

WORK SESSION
NOVEMBER 7, 2023

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The intent of this presentation is to provide information regarding the Cottonwoods Connection project to promote informed public discussions.

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Outline of Presentation:

- MWDSLS Background
- Why the project?
- What is the Project?
- Coordination with City improvements (Storm Drain)
- Schedule of events
- Public coordination – approach, managing expectations

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MWDSLS Background

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MWDSLS:

- Established in 1935
- Wholesale water to Member Cities – Salt Lake City, Sandy City
- Our Board consists of seven trustees:
5 – SLC, 2 – Sandy (appointed by respective City Council)
- Local sponsor of the Provo River Project (PRP) – Aqueduct Division

SALT LAKE AQUEDUCT – 1951
Little Cottonwood Water Treatment Plant - 1960

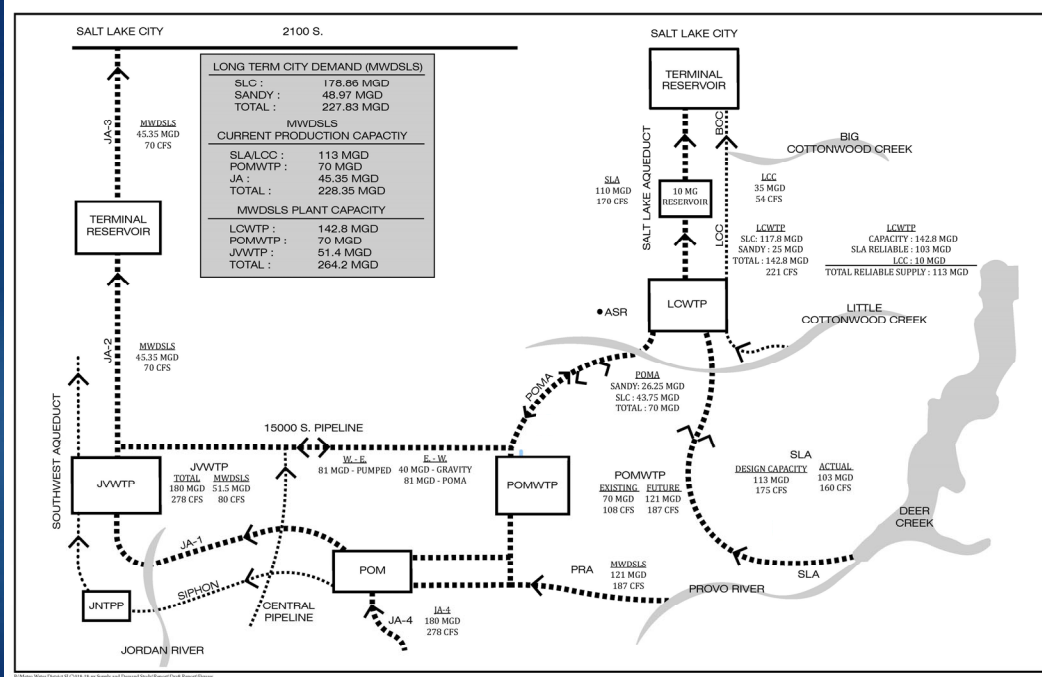
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Why the Project?

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SALT LAKE AQUEDUCT CAPACITY –

FINISHED WATER

- ▶ The 'understood' capacity of the FW SLA is 170 cfs (110 mgd).
- ▶ Actual capacity found to be between 135 cfs (87 mgd) with 10 MG Reservoir online or 169 cfs (109 mgd) using the 10 MG Reservoir bypass. (*SLA Hazard Assessment Project – Phase 2 & 3, 2022, pg. 3-10*)
 - ▶ 10 MG Reservoir placed into service 1994
- ▶ MWDSLS obligated to convey 224 cfs (145 mgd) from LCWTP to Terminal Reservoir via –

▶ SLA/FW	170 cfs (110 mgd) -	MWDSLS Facility
▶ LCC	54 cfs (35 mgd) -	SLCDPU Facility

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RESTORE 'UNDERSTOOD' CAPACITY:

TOP OPTIONS:

1. Slipline existing SLA; and 24/7 pumping = 175 cfs
2. Slipline existing SLA = 95 cfs gravity flow; Add parallel pipeline (60" - 70" diameter) = 80 cfs gravity flow. (95 cfs + 80 cfs = 175 cfs)

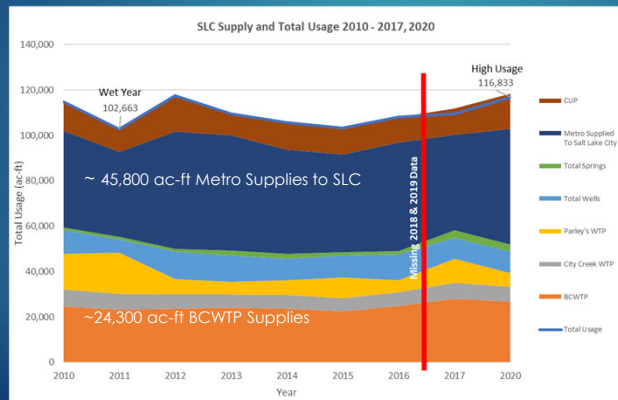
RECOMMENDATION:

- ▶ Option 2 recommended to restore existing ('understood') capacity:
 - Re-establishes capacity
 - Provides redundancy
 - Improves resiliency

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Salt Lake City Public Utilities –

- Required to replace the BCWTP
- Three year timeframe to rebuild
- What to do with the BCC Annual Supplies of 24,300 ac-ft?



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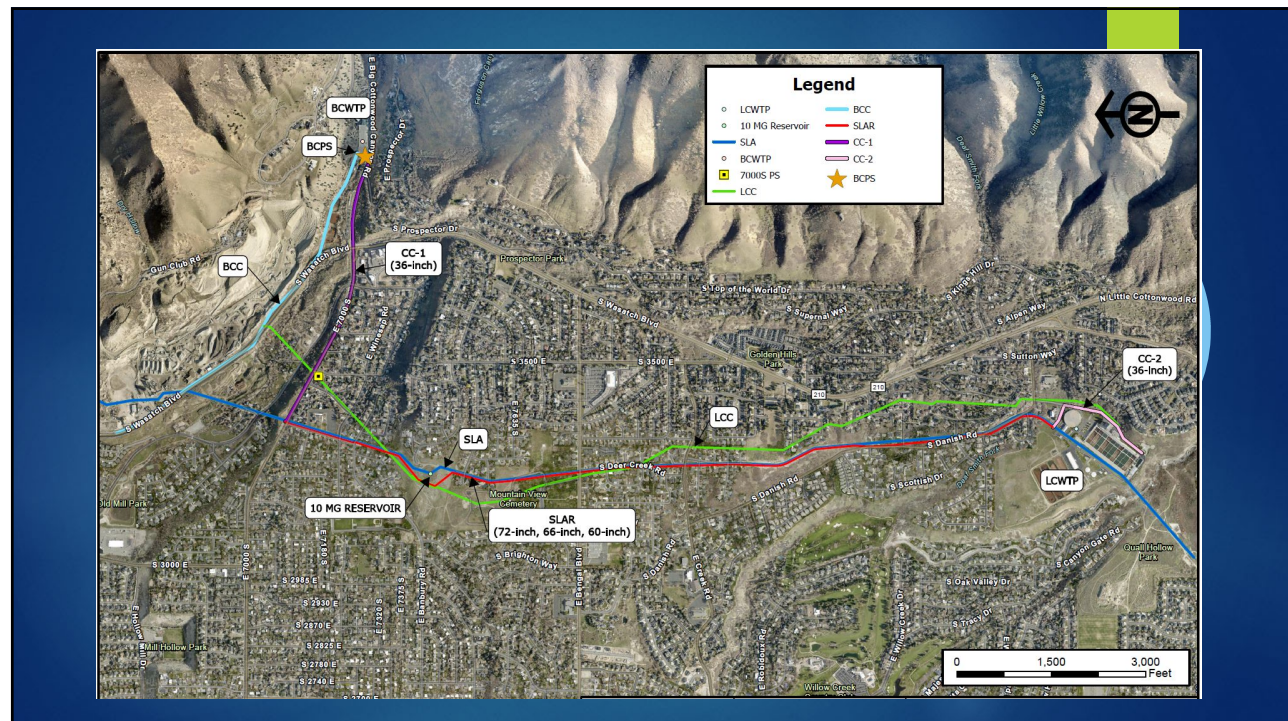
COMMONALITIES:

- Preserving Deer Creek supplies necessitates constructing a pipeline to transport BCC waters to LCWTP for treatment and use by member cities. (Needed by 2026)
- Re-establishing capacities in the SLA north of LCWTP as well as providing resiliency necessitates a parallel pipeline to the SLA.
- Difference? Timing of work & required pipeline diameter

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What is the Project?

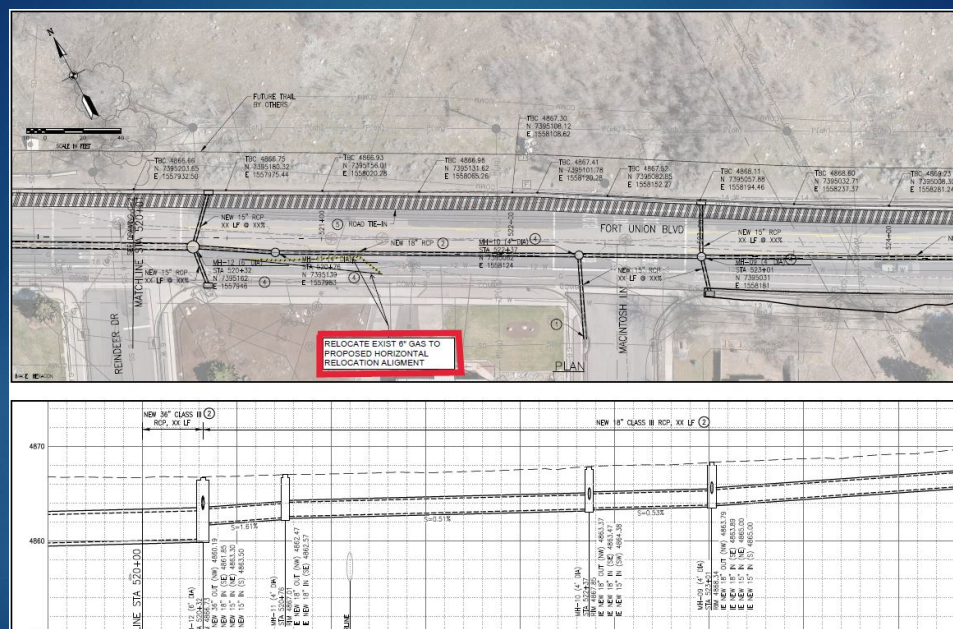
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City Coordination

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Benefits –

- Minimize public disruption on Fort Union
one construction period versus two
- Cost savings
one contractor, construction manager, inspection team, etc.

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Schedule

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Schedule:

- Award construction contract February 2024
- Work east of Wasatch Blvd. – April to June 2024
- Work in Fort Union – complete before October 31, 2024
- Remaining work – complete by June 30, 2026

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Public Impact

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We anticipate the community will want to know,

“How does this project impact us (me)?”

“What is the exact path the pipeline will take?”

“How is my landscaping going to be handled?” among other things.

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We have engaged with a Public Relations consultant – Wall Consulting Group (WCG) to facilitate timely communications,

We’ve developed a project website at www.cottonwoodsconnection.com,

FAQ’s and responses have been posted on web site,

We’ve developed an email subscription list, and

We hosted a public meeting October 2022.

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- As construction approaches, social media accounts will be advertised to keep the public current on activities as well as a forum for feedback.
 - A project hotline will be available with direct (live) bodies responding; both from the design team and the contractor.
 - Currently negotiating easements with affected property owners

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We know this project will bring some temporary disruption to the community.

Our aim is to minimize these disruptions by managing expectations.

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Thank you

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Other project activities:

- Aquifer Storage and Recovery
 - Injection well
 - Surface Infiltration Basins
- Multi-hazard Mitigation Plan - *Completed*

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