



**Presentation and
Discussion Item 9**

Reservoirs 1 and 2 Pump Station Upgrades Project

June 14, 2023



Reservoir Project Goals

- Standardize on drive and backup power
- Improve reservoir turndown and cycling
- Simplify reservoir operation
- Improve water quality and increase reliable storage
- Improve hydrovac slurry dewatering

Reservoir 1 – Site Layout



Reservoir 2 – Site Layout



Final Design Cost Estimate

Facility	Preliminary Design Estimated Cost	Final Design Estimated Cost
Reservoir 1	\$ 10,000,000	\$ 14,100,000
Reservoir 2	\$ 10,300,000	\$ 14,400,000
TOTAL	\$ 20,300,000	\$ 28,500,000

Reservoir 1 – Site Layout








Reservoir 2 – Site Layout



Reduced Scope Cost Estimate

Scope Item	Original Project Scope	Recommended Project Scope
Reservoir 1 – All Improvements	\$ 14,100,000	\$14,100,000
Reservoir 2 Pump Station	\$ 11,200,000	-
Reservoir 2 Chemical Facilities	\$ 1,700,000	\$ 1,700,000
Reservoir 2 Jockey Pumps	\$ 1,500,000	\$ 1,500,000
TOTAL	\$28,500,000	\$17,300,000

Reservoir Project Goals

-  Standardize on drive and backup power
-  Improve reservoir turndown and cycling
-  Simplify reservoir operation
-  Improve water quality and increase reliable storage
-  Improve hydrovac slurry dewatering



Questions?

