

# DEER CREEK INTAKE PROJECT

## Deer Creek Dam & Reservoir



SUPPLIES WATER TO OVER 1.5 MILLION PEOPLE



VITAL TO UTAH'S ECONOMY



ONE OF THE MOST UTILIZED RECREATIONAL ECOSYSTEMS IN UTAH



POPULATION SERVED EXPECTED TO INCREASE BY 75% BY 2060

### WATER SUPPLY CONCERNS FOR THE WASATCH FRONT

Provo River Water Users Association (PRWUA) has completed 100% design on a project that will upgrade the aging infrastructure in Deer Creek Dam and Reservoir - safeguarding the water supply from invasive aquatic species, refurbishing existing infrastructure, and providing redundancy to downstream users. PRWUA and its engineers are proposing an innovative design to refurbish the existing guard gates without the high costs of bypass pumping and without draining the reservoir, interrupting a critical water supply to the Wasatch Front. A bypass pipeline allows for the isolation and refurbishment of the existing outlet works and provides redundancy for water deliveries even during times of drought. PRWUA is on track to be able to begin construction as early as Spring 2023 if the existing funding gap of \$11M for the project can be filled.



#### AGING INFRASTRUCTURE

Built nearly 80 years ago, the Deer Creek Dam intake and guard gates have reached the end of their useful life.



#### INVASIVE SPECIES THREAT

Deer Creek Reservoir faces an imminent threat from the invasive species Quagga mussel. Upgrades will provide a defense against this threat to the dam and ecosystem.



#### INNOVATIVE CONSTRUCTION IN THE WET

Underwater construction methods will allow critical existing water storage to be maintained during the current drought situation.



#### SEISMIC UPGRADES

Reinforce critical infrastructure components to better ensure continued water deliveries after a significant seismic event.



**PROVO RIVER WATER USERS ASSOCIATION**

#### FOR MORE INFORMATION



[WWW.PRWUA.ORG](http://WWW.PRWUA.ORG)



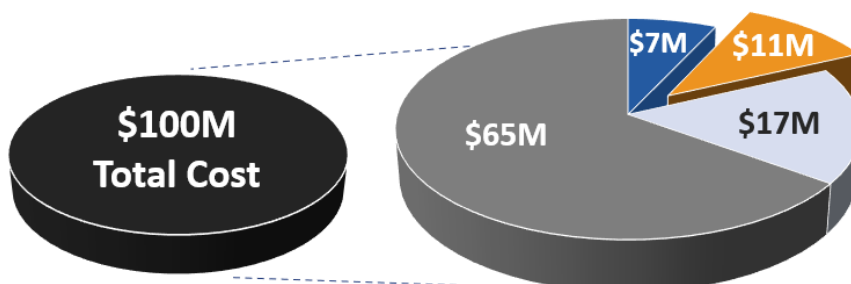
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SCAN TO VISIT THE WEBSITE



- Funding Shortfall
- Provo River Water Users Association Members
- Central Utah Water Conservancy District Utah
- Board of Water Resources\*

\* Repaid by Provo River Water Users Association