



# Engineering Services Manager's Report

Engineering & Operations Committee  
Item 7b  
February 11, 2019

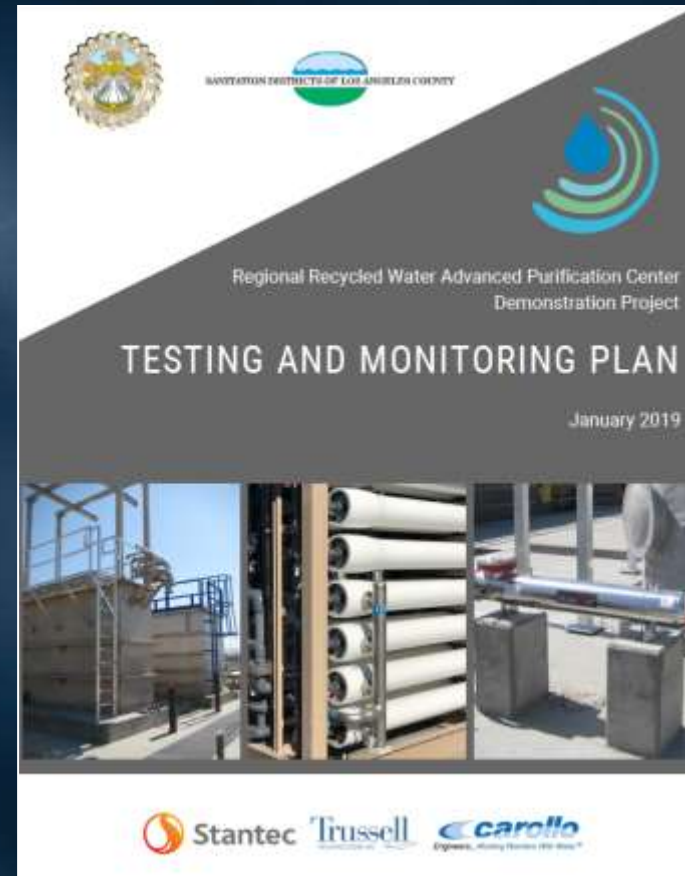
# Regional Recycled Water Program



# Demonstration Testing and Monitoring Plan

## Regional Recycled Water Advanced Purification Center

- Jan 17 - Met with regulators to address comments and finalize Testing and Monitoring Plan
- Jan 31 - Submitted Plan for regulatory approval
- Operations and testing at Demonstration Plant expected to begin in March 2019



# 2016 Feasibility Study

- 150 MGD indirect potable reuse program is feasible
- Program would have regional benefits
- Unit costs and potential rate impacts identified



# Feasibility Report Recommendations

- Demonstration plant needed for regulatory approval of MBR process
- Prepare conceptual report to identify approach(es) to implementation
- Continue work with regulators
- Refine financial structure and arrangements
- Commence informational process with Board

# Conceptual Planning Studies



# Ongoing and Upcoming Activities

- Meetings held with MAs and basin managers in January
  - OC basin
  - West Coast Basin
  - Central Basin
  - Main San Gabriel basin
- Distribute conceptual report
  - To be included in the March Board packet
  - March 2019 presentation to E&O Committee
- Demo Plant Ribbon Cutting Event: March 21

# SAVE THE DATE



## GRAND OPENING

March 21, 2019 • 10 AM  
24501 S. Figueroa Street  
Carson, CA 90745

For more information, visit [mwdh2o.com/rrwp](http://mwdh2o.com/rrwp)



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA

SANITATION DISTRICTS OF LOS ANGELES COUNTY

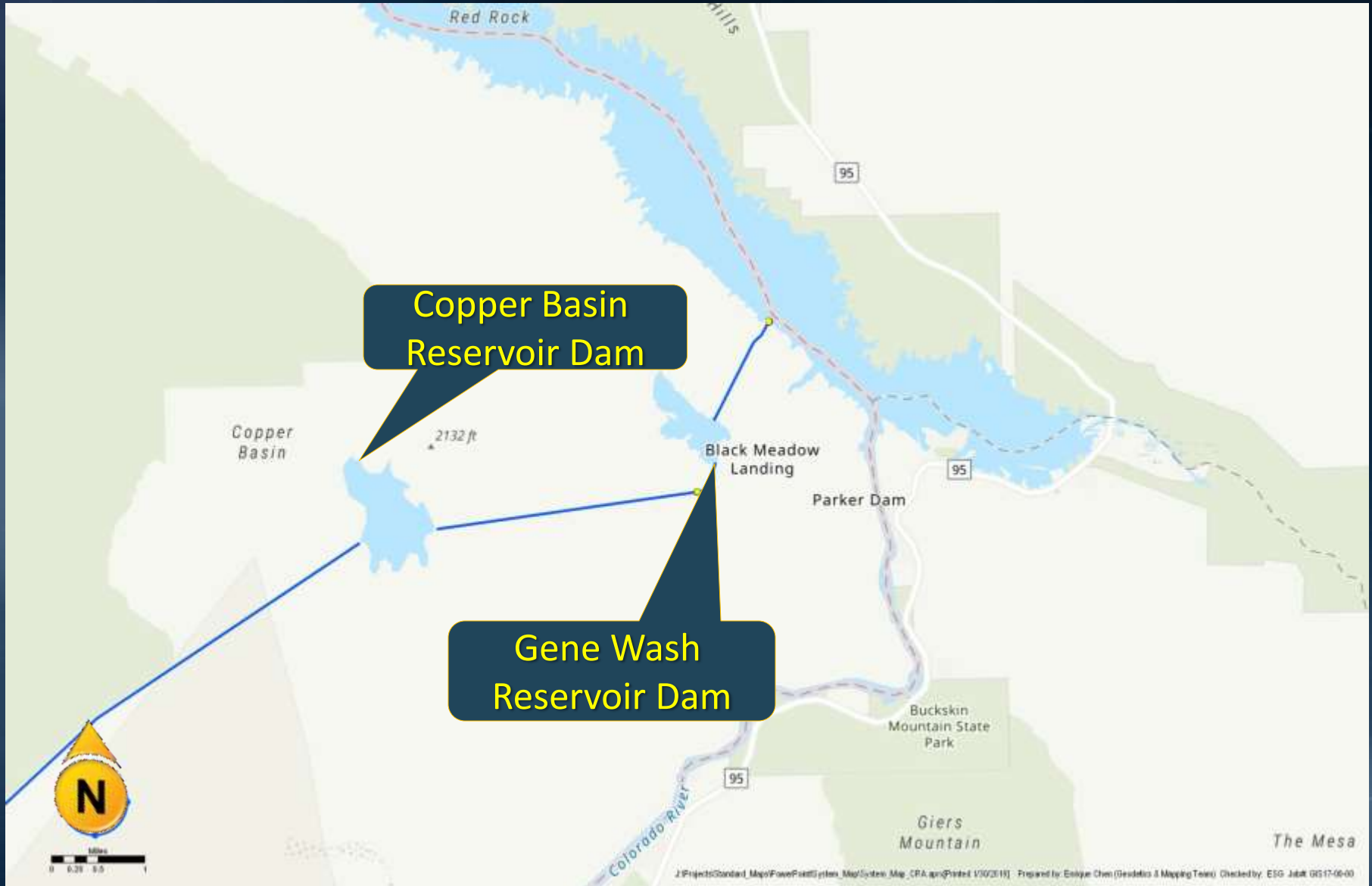




# Copper and Gene Reservoir Valves Project



# Copper and Gene Reservoir Valves Project

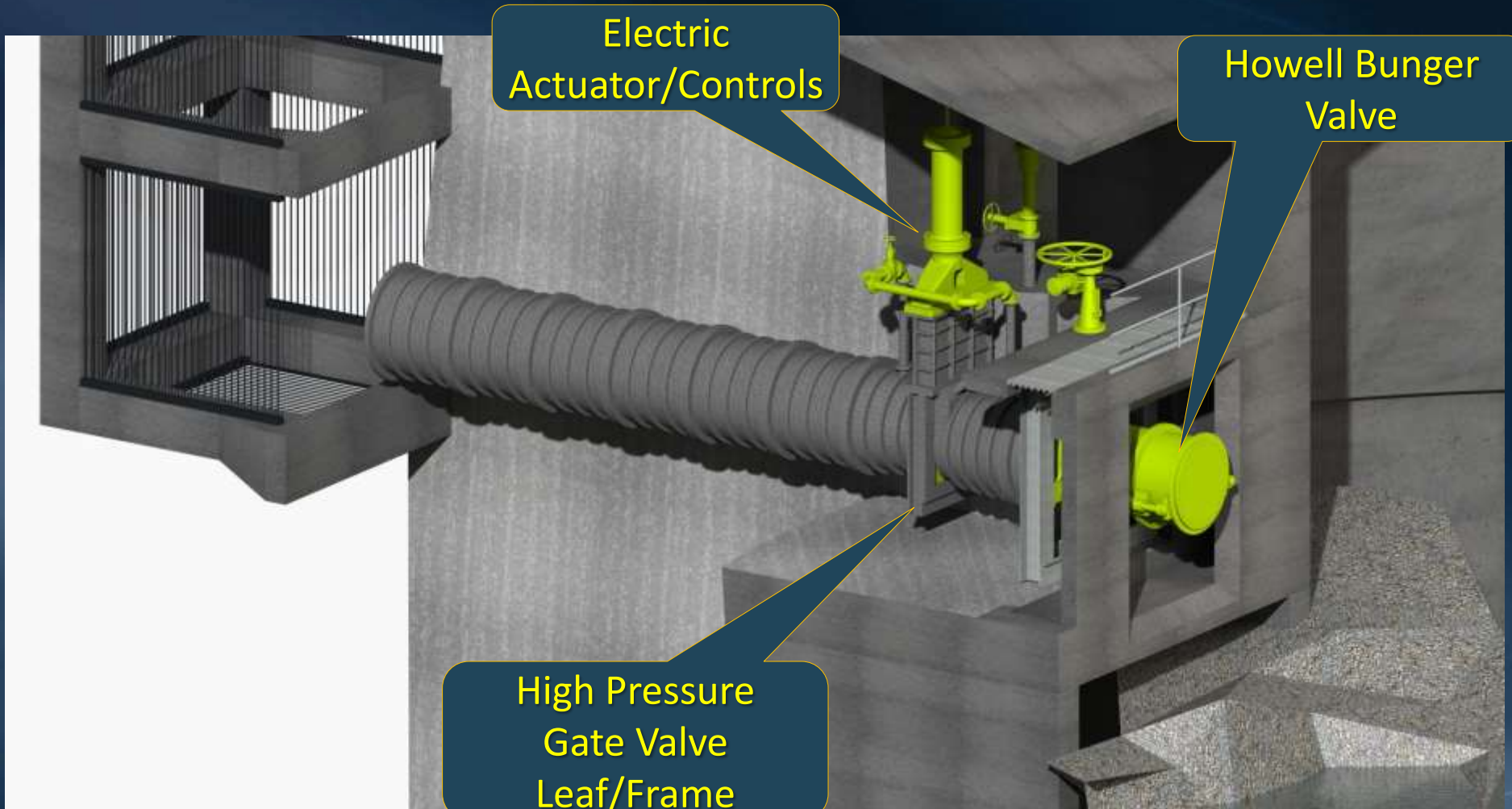


# Copper Basin Reservoir and Dam





# Typical Valve House and Sluiceway



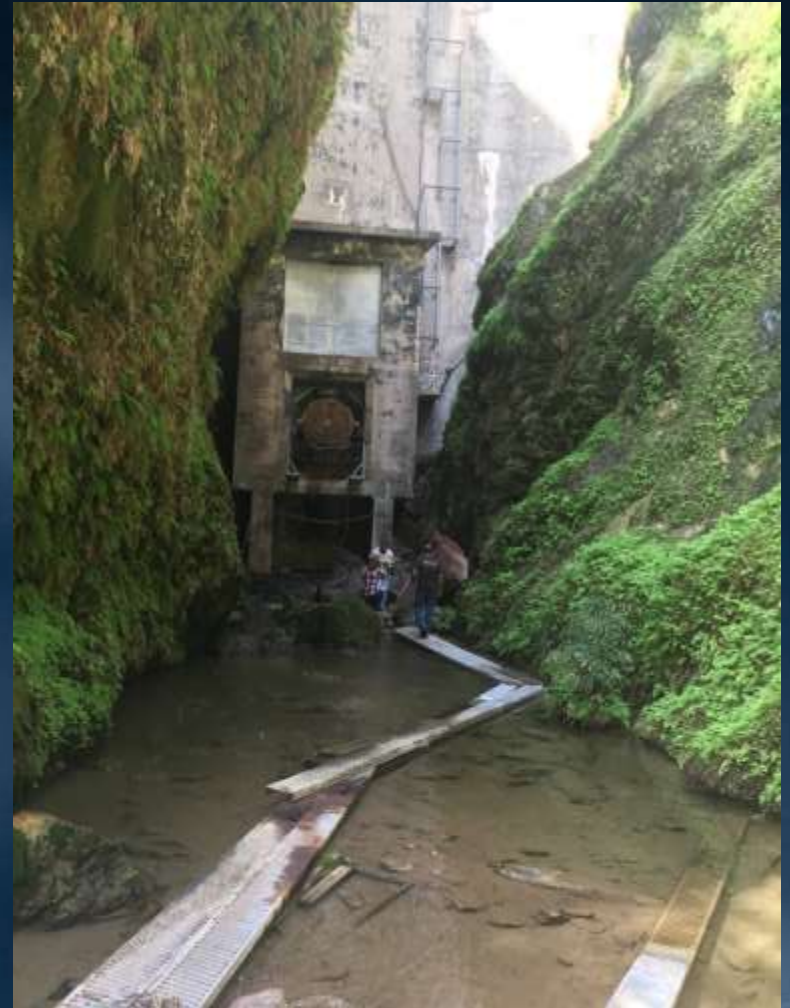
Electric  
Actuator/Controls

Howell Bunger  
Valve

High Pressure  
Gate Valve  
Leaf/Frame



# Copper and Gene Reservoir Valves

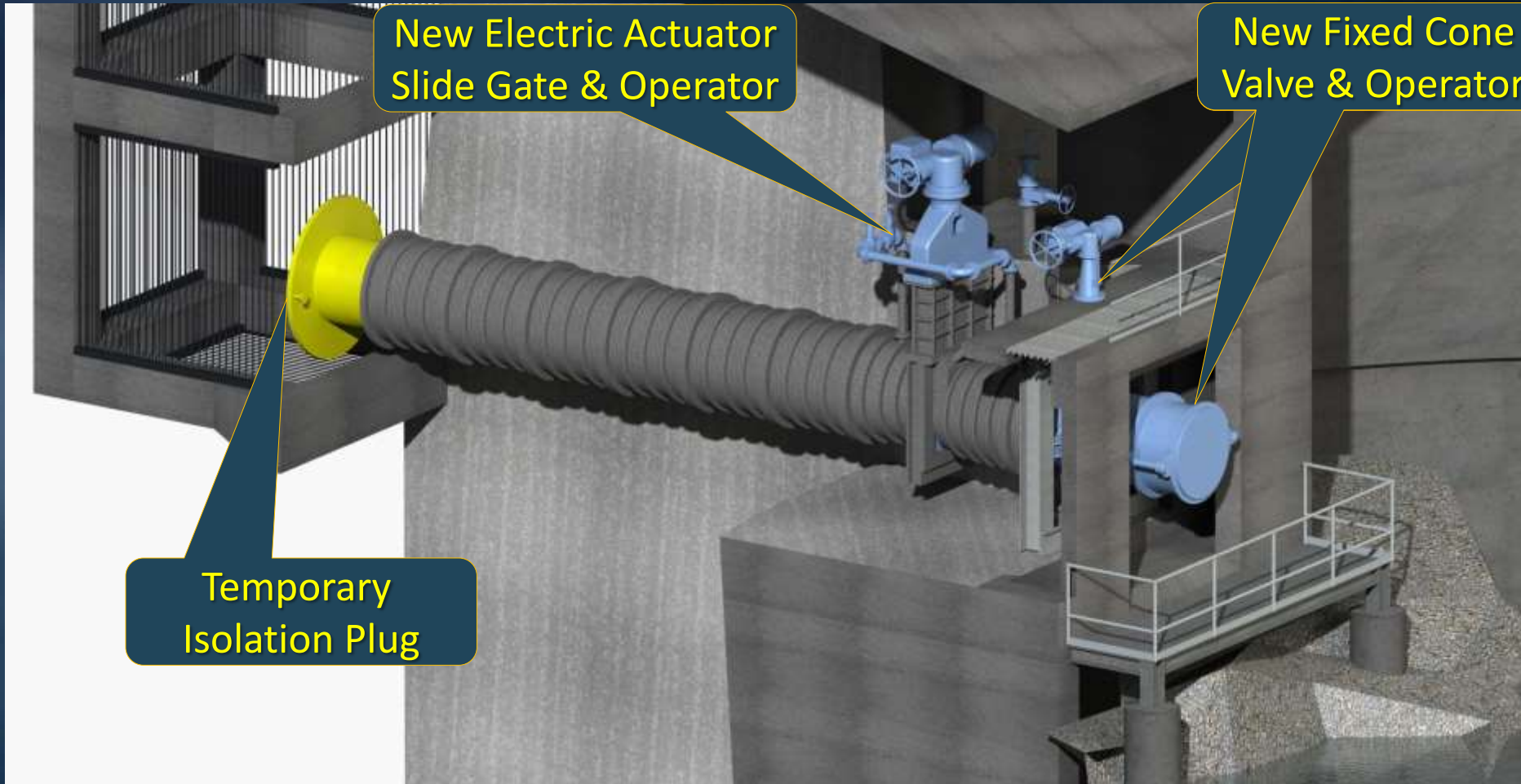


# Copper and Gene Reservoir Valves





# Copper & Gene Improvements



# Copper and Gene Reservoir Valves

- Gene Wash Reservoir Valve
  - Board award of contract: June 2019
  - Construction complete: December 2020
- Copper Basin Reservoir Valve
  - Board award of contract: July 2020
  - Construction complete: February 2022



