



Long Beach Water
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Groundwater Treatment Plant Facility Improvement Master Plan (EO-3552)

Meeting of the Board of Water Commissioners

April 28, 2021

LBWD Groundwater Treatment Plant Summary

- Constructed in 1994
- Rated for 62.5 MGD
- Currently treating approximately 30 MGD of groundwater



Purpose of the Project

- **20-year CIP Plan**

- To maintain facility functionalities
- Eliminate equipment/piping factors limiting 62.5 MGD production
- Enable partial production of the Plant as needed

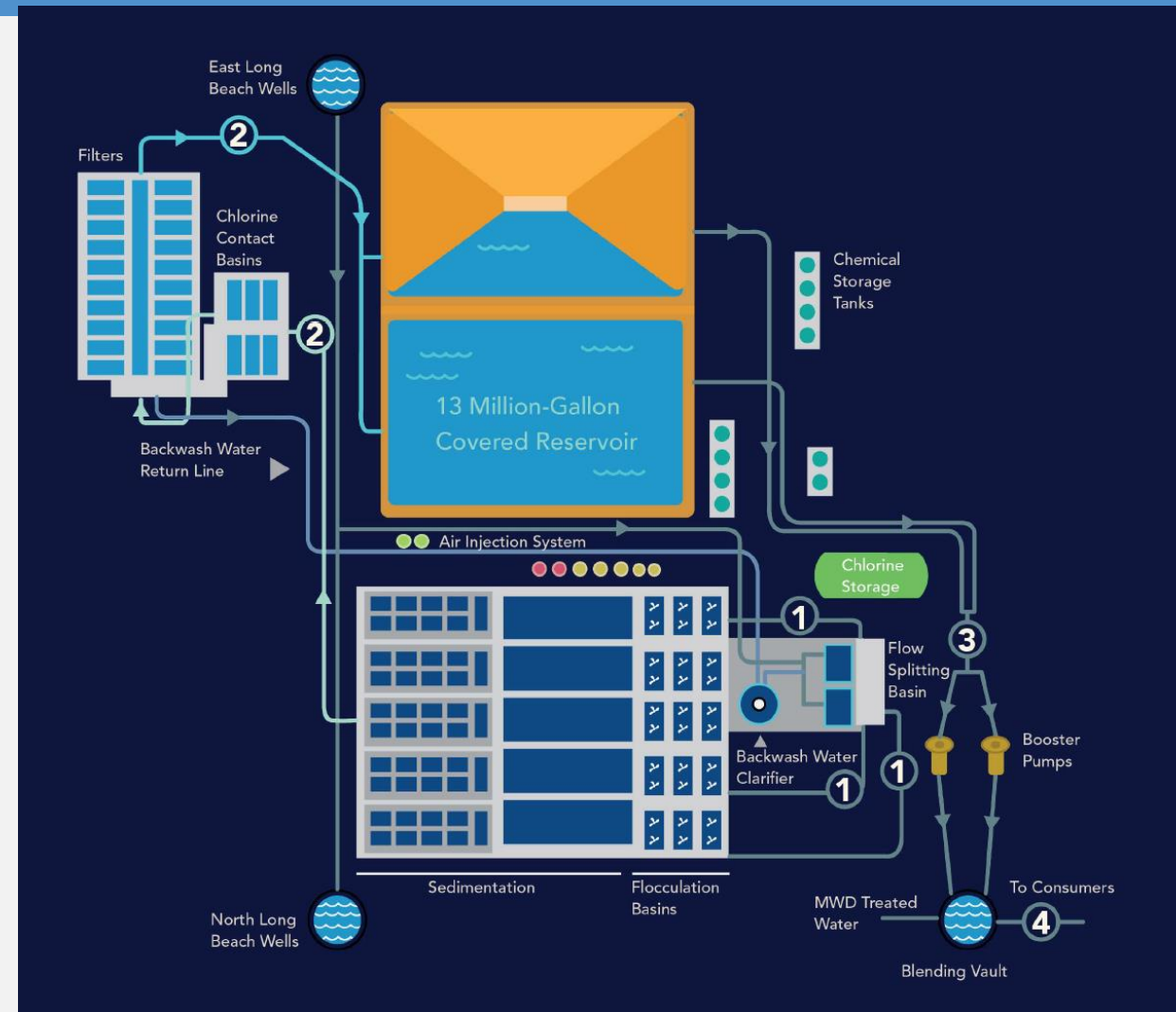
- **Considerations for the plan:**

- Integrated and comprehensive list
- Include short-term, mid-term, and long-term projects
- Based on Likelihood of Failure and Consequence of Failure



Project Scopes of Work

- Process
 - (i.e. chemical feed, backwash rates)
- Mechanical
 - (i.e. pumps, valves, piping)
- Electrical
 - (i.e. generator, Edison feed)
- Structural
 - (i.e. concrete basins, seismic)



Examples of Evaluations





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Questions?

Thank you!