

working for clean rivers



# CBWTP WWCL and Hypochlorite Modifications

**E11485**

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ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

Mingus Mapps, Commissioner  
Dawn Uchiyama, Director





# Brief Summary

- Overview
- Objectives
- Requirements
- Budget
- Next Steps
- Questions



# Overview

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## Columbia Boulevard Wastewater Treatment Plant

- Wet Weather Clarifiers
- Disinfection System





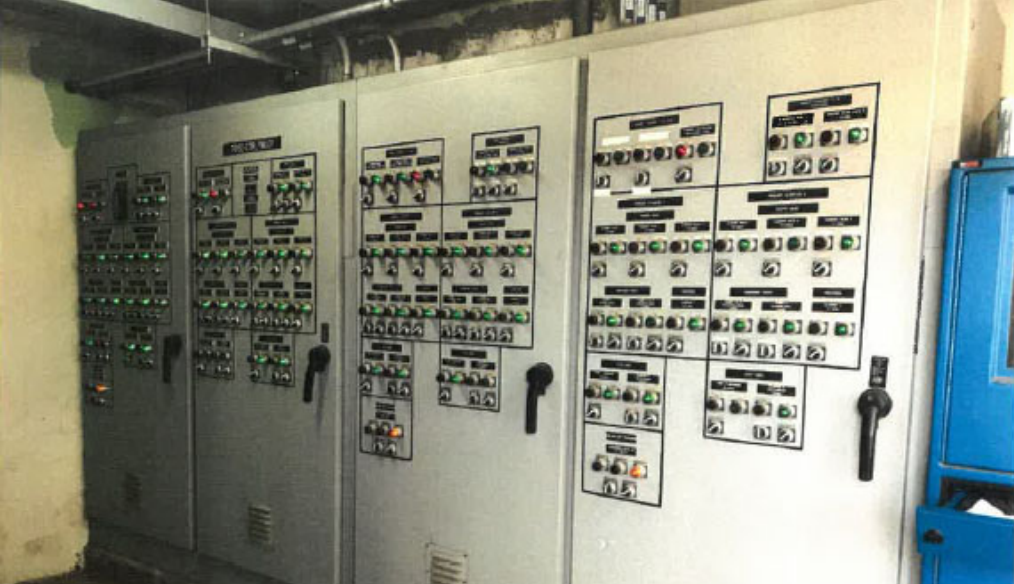
# Objectives

- **Reduce asset failure risk**
- **Increase system resilience and extend service life**
- **Support operation and maintenance**

# Requirements

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**Aged systems present a greater risk of failure**

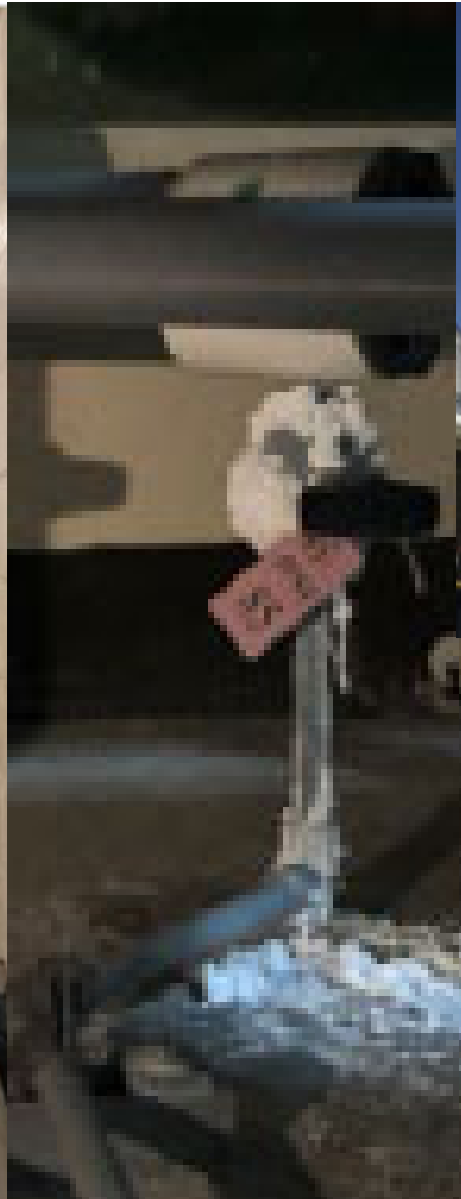


**Wet Weather Clarifier Systems**

# Requirements

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## Deteriorating Sodium Hypochlorite Disinfection Systems





# Budget

- **Professional Technical Services: \$15.8M**
  - Project development
  - Design
  - Engineering services during construction
  
- **30% Business Inclusion and Diversity Goal**
  - Structural and Seismic Resiliency
  - Mechanical and HVAC
  - Electrical
  - Instrumentation and Controls
  - Civil
  - Architecture and Sustainability
  - Demolition



## Next Steps

- **Low bid exemption ordinance**  
~ November 2023
- **Report to Council on Guaranteed Maximum Price**  
~ Summer 2026
- **Construction**  
~ Fall 2026



A landscape photograph of a lake at sunset. The sky is a mix of orange and blue, with a mountain peak visible in the distance. The trees are silhouetted against the sky, and their reflections are visible in the water. The image is split into two vertical panels: the left panel is a faded version of the same scene, and the right panel is the original, more vibrant scene.

**Questions**

**Thank you!**