

working for clean rivers



# **Authorize Alternate Contracting Method**

## **CBWTP Blower System and Building Improvements (E11038)**

### **Item 273**

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ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

Mingus Mapps, Commissioner  
Dawn Uchiyama, Director



# Background

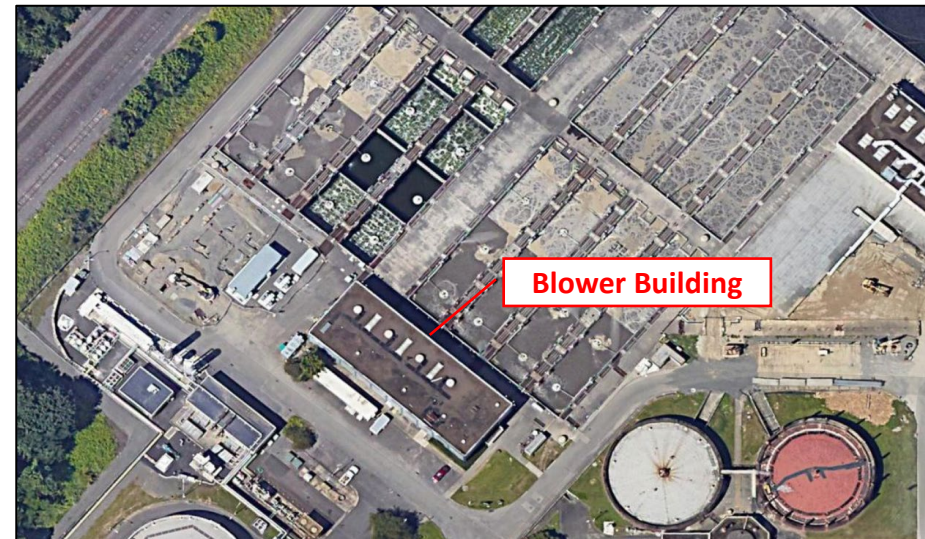
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- Request authorization to implement alternative contracting method for the CBWTP Blower System and Building Improvements (PN11038)
- The system continuously supply oxygen to the aeration basins, which use biology to treat wastewater
- Project costs are over \$50M



# Project Overview

- **Columbia Boulevard Wastewater Treatment Plant (CBWTP)**
  - Built in 1952, operates 365 days/year, 24 hrs a day
  - The Blower System and the Blower Building were installed in 1974



# Project Requirements

- **Address Deficiencies of the Aged Blower System**
- **Improve System Reliability**
- **Extend Service Life**
- **Meet the future wastewater treatment operation needs**





# Objectives

- **The Blower System Replacement**
  - Four (4) Aeration Blowers
  - Electrical & Control Equipment
  - Air Discharge Header
- **The Blower Building**
  - Electrical Improvements
  - Voluntary Structural Improvements to address seismic deficiencies
  - Roof Replacement



# Project Budget and Schedule

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- **Project Budget**
  - **Estimated Construction Cost: \$26.3 M, (Class 5 Estimate, -50% to +100%)**
  - **Total Project Cost: \$51.4 M (Low level of confidence)**
- **Anticipated Project Schedule**
  - **Design: to be completed in FY26**
  - **Construction: to be completed in FY28**



# Primary Drivers for CM/GC Contracting Method

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- Consideration of complex construction sequencing and maintenance of plant operations
- Early field investigations and contractor input during the design process will reduce construction and cost surprises
- Several long lead time equipment
- Advance goals of equity and inclusion in the construction industry through the implementation of the RWEA and CDIP
- Overall reduction of project risks via qualifications-based selection and early involvement



# Next Steps

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- **Report to Council on Guaranteed Maximum Price(s) in FY26**
- **Anticipated Construction NTP: FY26**





The background image is a landscape photograph. It features a mountain peak in the distance, partially obscured by a layer of mist or low clouds. In the foreground, there are several bare, dark trees with intricate branch structures. The sky is a mix of warm orange and cooler blue tones, suggesting a sunset or sunrise. The bottom portion of the image shows a body of water that reflects the colors of the sky and the silhouettes of the trees. A vertical white semi-transparent bar runs down the left side of the image, serving as a background for the text.

**Questions**

**Thank you!**