

# working for clean rivers

**Authorize contract with Tetra Tech Inc. to provide engineering services  
for the Columbia Boulevard Wastewater Treatment Plant Main  
Substation Replacement Project  
Council Item #685**



**ENVIRONMENTAL SERVICES  
CITY OF PORTLAND**

NICK FISH, COMMISSIONER  
MICHAEL JORDAN, DIRECTOR

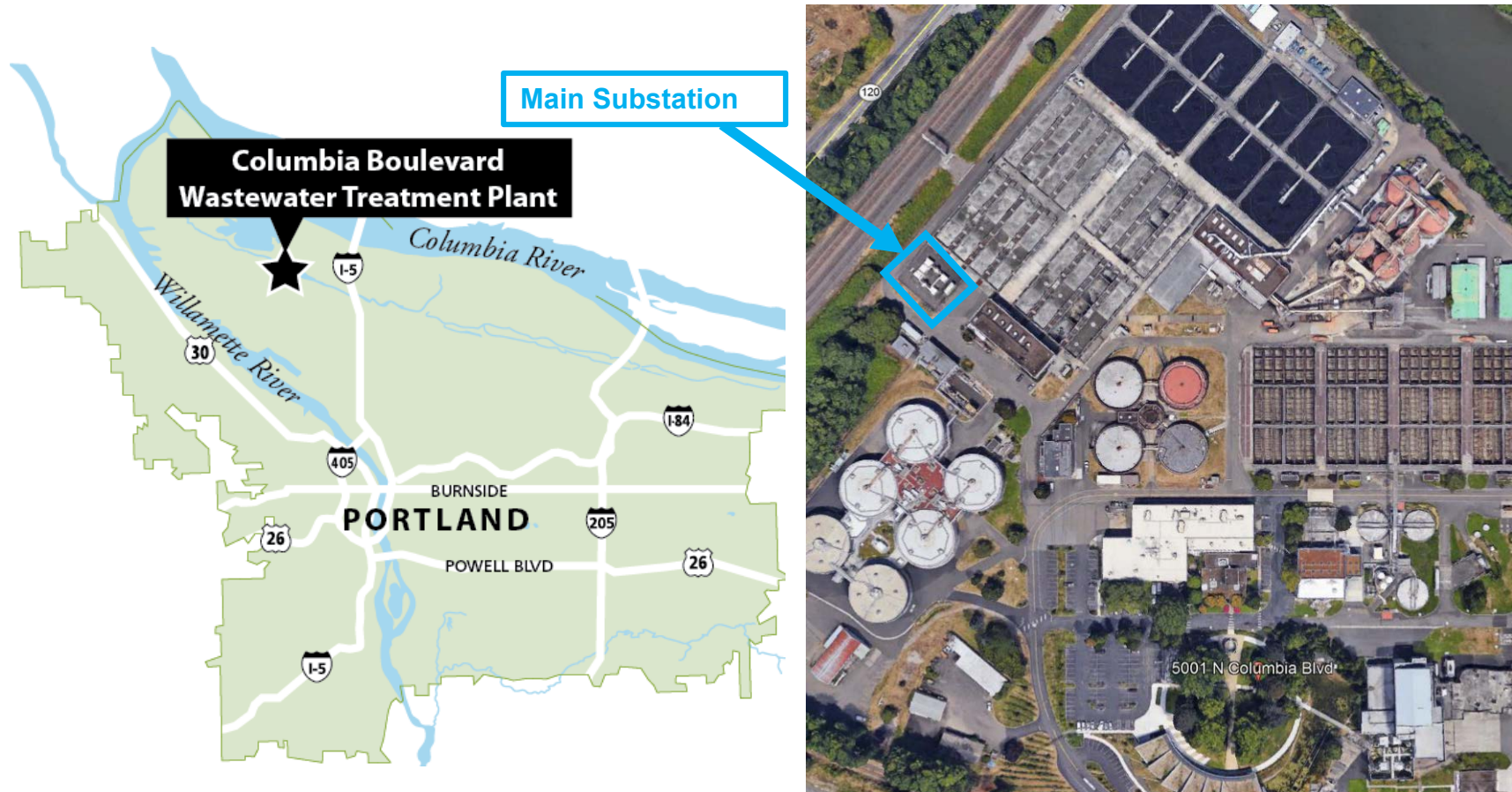
**Clarence Thompson, P.E.**  
Project Manager

BES Project Number E10897

June 20, 2018



# CBWTP Main Substation – Location





# CBWTP Main Substation – Purpose and Function

- Receives power for entire CBWTP from Portland General Electric (PGE)
- Distributes power to all facilities and equipment at CBWTP
- Protects the electrical distribution system from damage resulting from electrical malfunctions



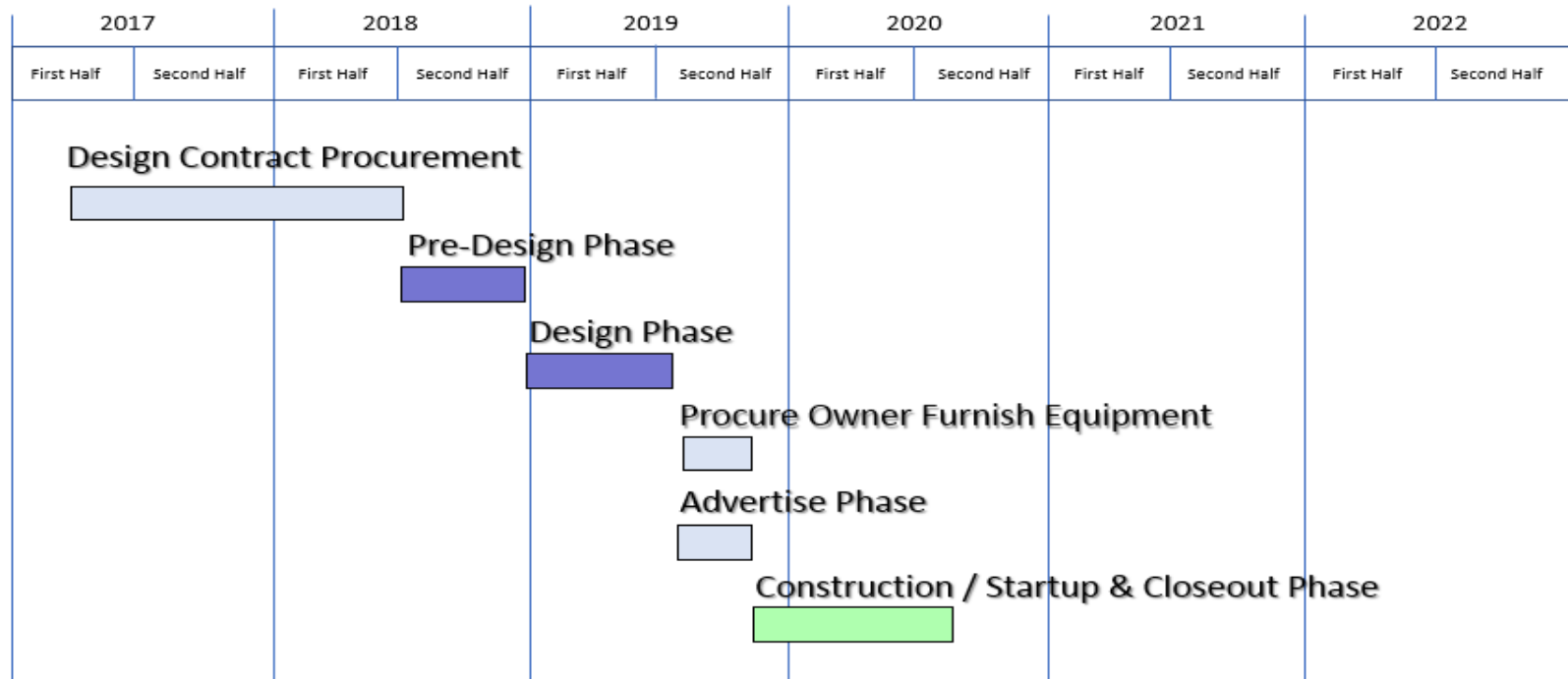
# Problems with Existing Substation

- Substation is over 40 years old
- Older control components are starting to fail
- CBWTP staff are now finding operational safety issues



# Project Budget and Schedule

- Negotiated Contract amount: \$650,630
  - Contract estimate level of confidence: Optimal
- Construction Cost Estimate: \$4,000,000
  - Construction cost estimate level of confidence: Low
- Total Project Budget: \$5,054,400



# Professional Services Contract

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- Project work was advertised for competitive selection
- 4 proposals received
- Selection committee included Minority Evaluator Program Participant
- Tetra Tech was selected in accordance with City Code 5.68
- Negotiated fee of \$650,630 includes design, bidding, and construction support



# D/M/W/ESB Participation

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D/M/W/ESB Subcontracts are **59%** of total not-to-exceed limit of \$650,630

- 3 DBE/MBE/WBE/ESB firms: \$342,420
  - Primary Medium-Voltage Electrical Design (MLC Engineering)
  - Structural Design (Akana, Inc)
  - CAD Design (Rivero Design)
- 1 ESB firm: \$18,113
  - HVAC Design (Cundiff Engineering, Inc)
- Additional funding for site meetings and other general tasks: \$24,461



# Recommendation

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Authorize contract with Tetra Tech Inc. to provide engineering services for the Columbia Boulevard Wastewater Treatment Plant Main Substation Replacement Project, BES Project Number E10897 in the amount of \$650,630





# Questions

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Thank you

