

working for clean rivers



## **PIR Pump Station FEMA Grant (Ordinance to Apply for and Accept Grant Funds)**

James Allison | Capital Projects Manager | Bureau of Environmental Services

December 15, 2021



ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

MINGUS MAPPS, COMMISSIONER  
MICHAEL JORDAN, DIRECTOR



# Project Requirements and Background

---

- PIR Pump Station is nearing the end of useful life.
- PIR Pump Station is operated by Peninsula Drainage District #1 (PEN 1), an Oregon Special District that maintains levees, pump stations and other drainage assets.
- PEN 1 annual land value tax assessments provide inadequate funding for large, capital projects.
- PIR Pump Station protects City of Portland assets.
- This project is about leveraging federal funding for flood prevention infrastructure that maintains public facilities and their operations.
- The project supports the Levee Ready Columbia effort.



# Project Objectives

---

- Desired outcome of project: secure FEMA funding and design/permit new pump station
- Make progress on City's Mitigation Action Plan
- Protect City assets and functions
- Ancillary objective: Establish stronger partnership between City of Portland, PEN1 and the Levee Ready Columbia partners as we move to a modernized governance structure under the new Urban Flood Safety & Water Quality District





VANCOUVER

205

COLUMBIA RIVER

HISTORIC VANPORT  
EXPO CENTER  
DELTA PARK  
CHILDREN'S ARBORETUM

BROUGHTON BEACH  
PORTLAND INTERNATIONAL AIRPORT

COLUMBIA SLOUGH  
CASCADE STATION

LEVEE SYSTEM

5

METTE RIVER

BLUE LAKE  
FAIRVIEW LAKE  
AMAZON  
TROUTDALE AIRPORT

84

FAIRVIEW  
TROUTDALE

P O R T L A N D

MAX LIGHT RAIL

GRESHAM







APR 20 2009

# Goals, Overview and City Values

---

- FEMA grant program: reducing risk caused by natural hazards, such as severe weather, seismic activity, and wind
- Design a modern pump station that addresses climate change contingencies
- Energy efficiency upgrades
- Design and operation considerations respond to water quality and ecosystem considerations



# Project Budget and Schedule

---

- Project Budget:
  - \$2,300,000 for planning, design and permitting
  - \$1,750,000 federal sponsorship (~75%)
  - \$550,000 City local match (~25%) (appropriated from general fund set-aside for Levee Ready Columbia support)
- Project Schedule:
  - Grant application is due January 29, 2022. City grant application to FEMA does not obligate the City to provide match funding until the grant is accepted by the City.
  - Planning: July – October 2022
  - Design and Permitting: October 2022 – December 2024
  - Anticipated grant for construction by UFSWQD: 2025





# Portland Bureau of Emergency Management

---

- BES and MCDD/PEN 1 are strong partners in mitigation planning as well as emergency response efforts
- Project is in the City's Mitigation Action Plan
- Project builds resilience for the City, ensuring essential flood protection functions continue as the climate changes



# PEN 1 and Levee Ready Columbia

---

- Value of City partnership with PEN 1 and Levee Ready Columbia
- PIR Pump Station is the only pump moving water out of PEN 1.
- Pump station is at risk of failing.
- Failure would impact PIR and Heron Lakes Golf Club.
- Also, Tri-Met Yellow Line MAX, Metro Expo, private businesses.
- Replacement is a goal of Levee Ready Columbia.
- Replacing the station reduces risks of cascading levee failures.
- Without City support, replacement is likely to be delayed.



# Questions

---

Thank you

