

## RESOLUTION No.

Adopt a set of priority values, expectations, and the Recommended Option to guide the design and implementation of the City of Portland's Bull Run Filtration Projects (Resolution)

WHEREAS, the City of Portland, through the Portland Water Bureau, is responsible for providing safe, reliable, drinking water to a large population in the metropolitan area; and

WHEREAS, this responsibility includes meeting anticipated demands now and in the future by managing and building a system that addresses new regulatory requirements, changes in water quality, and impacts from natural disasters; and

WHEREAS, the Bull Run Watershed, the City's primary water supply, is currently an unfiltered surface water source; and

WHEREAS, all Oregon public water systems that have a surface water source are subject to the state and federal Long-Term 2 Enhanced Surface Water Treatment Rule (LT2) which requires enhanced treatment for the pathogens *Cryptosporidium*, *Giardia*, and others; and

WHEREAS, the City of Portland's 2012 variance from the requirements to treat for *Cryptosporidium* was revoked in 2017 by the Oregon Health Authority (OHA) due to the continued presence of *Cryptosporidium* in the Bull Run supply; and

WHEREAS, in August 2017, City Council approved Resolution No. 37309 to comply with OHA's May 2017 order to treat drinking water from the Bull Run Watershed for *Cryptosporidium* and LT2 compliance by submitting a compliance plan that includes the requirement to plan, design, and construct a filtration facility; and

WHEREAS, the City of Portland entered into a bilateral compliance agreement with the State of Oregon in December 2017 which requires the City's filtration facility for the Bull Run supply be operable by September 2027; and

WHEREAS, in December 2018, City Council approved Resolution No. 37402 determining the location, capacity, and filtration type for the Project; and

WHEREAS, the Project is both a regulatory requirement and an opportunity to increase the resilience of Portland's water system; and

WHEREAS, safe, high-quality water and system resilience against significant risks are of critical importance to City Council, the Water Bureau, and customers; and

WHEREAS, City Council and the Water Bureau strongly consider costs and benefits of investments to increase system resilience; and

WHEREAS, the Project must be implemented in a manner that is sensitive to

community and environmental impacts; and

WHEREAS, Water Bureau staff presented several Project options to Council in a work session on September 19, 2019 and suggested Full Implementation; and

WHEREAS, Water Bureau staff have received feedback from City Council, Portland Utility Board, Citizens Utility Board, and the public and have tailored a Recommended Option; and

WHEREAS, the Recommended Option includes:

- Target capacity of 145 million gallons per day to meet most projected peak day demands through 2045
- Conventional treatment including flocculation, sedimentation, and filtration to best handle turbidity events
- Ozone for enhanced water quality and protection from a wide range of current and future risks
- Clearwell (on-site water storage) sized for operational flexibility
- Two pipelines into and out of the filtration facility to maximize gravity flow, reduce future impacts to the filtration facility neighborhood, and provide a more resilient, easier to maintain system

WHEREAS, the Recommended Option will best advance the Water Bureau's ongoing efforts to provide a more resilient system; and

WHEREAS, the Recommended Option will best address needed capital maintenance and replacement of critical water system assets; and

WHEREAS, the Recommended Option has a lower total capital cost than the Full Implementation option discussed at the September 2019 work session; and

WHEREAS, the Project is still in the planning phase, with design scheduled to begin in 2020, and as such, the cost estimate confidence level rating, as defined by City Council, is low; and

WHEREAS, Water Bureau staff have convened a Site Advisory Group, which includes neighbors adjacent to the future filtration facility to create a Good Neighbor Agreement and mitigate negative impacts on the local community; and

WHEREAS, the Water Bureau will seek all required approvals for the Project and will comply with all terms and conditions of such approvals and permits;

NOW, THEREFORE BE IT RESOLVED, City Council recognizes the crucial responsibility of being the water provider for a large population and prioritizes resilience against the multiple current and future risks to Portland's water system; and

BE IT FURTHER RESOLVED, City Council directs the Water Bureau to proceed with design and implementation of the Recommended Option elements and concepts; and

BE IT FURTHER RESOLVED, City Council directs the Water Bureau to pursue reasonable additions, refinements, and optimization of the Project throughout design and implementation to provide best value for customers; and

BE IT FURTHER RESOLVED, City Council directs the Water Bureau to pursue federal financing, explore enhancements to its financial assistance program for low income customers, and seek efficiencies in other Water Bureau operations and programs to limit rate impacts to customers; and

BE IT FURTHER RESOLVED, City Council directs the Water Bureau to continue working with the Site Advisory Group to reduce Project impacts on the local community; and

BE IT FURTHER RESOLVED, City Council directs the Water Bureau to provide annual updates to Council as the Project is implemented.

Adopted by the Council:

Commissioner: Amanda Fritz  
Prepared by: Cristina Nieves  
Date Prepared: October 22<sup>nd</sup>, 2019

**Mary Hull Caballero**  
Auditor of the City of Portland  
By

Deputy