



Memorandum

CITY OF MERCER ISLAND, PUBLIC WORKS DEPARTMENT

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Date: July 6, 2022

To: Utility Board

From: Rona Lin, Utilities Engineer

Cc: Jason Kintner, Chief of Operations/Public Works Director
Patrick Yamashita, Deputy Public Works Director/City Engineer
Clint Morris, Capital Division Manager

Re: 2022 Limited Water System Plan Update

At the meeting on Tuesday night, staff and the City's consultant team (HDR Engineering), will present an overview of the draft 2022 Water System Plan (WSP) update to the Utility Board. The presentation will focus on the following categories:

- 1) Planning Data and Demand Forecast
- 2) Source and Storage Capacity
- 3) System Wide Hydraulic Modeling and Fire Flow Analysis
- 4) Capital Improvements Planning
- 5) Financial Information

BACKGROUND

Public water systems are established to provide adequate quantity and quality of water to their customers with reliable operations. A water system plan, approved by the Washington Department of Health (DOH), serves as a standard guideline for system owners to ensure that the water utility infrastructure and performance are safe and reliable. In accordance with chapter 246-290 WAC, the City is required to update its Water System Plan (WSP) every ten years.

Since the City's last WSP approval by DOH in 2016, the agency has modified the schedule of WSP updates from every six years to every ten years. Since the City's growth is limited and water demand forecast remains close to the previous planning years, DOH has agreed to allow the City to use an abbreviated process called, "appropriate level of planning" (ALOP) for this WSP update. Upon DOH's approval, the City's current WSP will be extended from 2022 to 2026.

HDR Engineering, the City's consultant, started water modeling tasks in March 2022 and began the engineering analysis for the WSP update in April. City staff worked with HDR to collect necessary data from 2015 to 2021, verify updated system information, and provide additional capital project information requested by HDR. The draft WSP update was submitted to DOH on June 30 for agency review.

Next Steps:

Following Utility Board feedback, DOH comments, and review comments from Seattle Public Utilities, the final draft of the WSP will be presented to the City Council in the fall (tentatively scheduled for 9/20/2022) for adoption.

This information can be made available on request to accommodate people with disabilities and those who need translation assistance.

Эта информация может быть предоставлена по запросу для размещения людей с ограниченными возможностями, а также тех, кому требуется помощь переводчика.

Esta información puede estar disponible a pedido conforme a las necesidades de personas con discapacidad o aquellas que requieran de servicio de traducción.

可根據要求提供這些資訊，以幫助殘障人士和需要翻譯協助的人士。