



MEMORANDUM

Public Works

TO: Mayor Jackola and City Council
FROM: Jason Williams, Public Works Director
ITEM TITLE: WWTP Master Plan Discussion

INTRODUCTION:

City staff is presenting the Wastewater Treatment Plant (WWTP) Facilities Master Plan (Plan) for City Council discussion. The plan provides a long-term framework for addressing regulatory compliance, aging infrastructure, capacity limitations, and anticipated growth at the City's wastewater treatment facility. The plan was prepared in accordance with Oregon Department of Environmental Quality (DEQ) planning guidelines and is intended to support future funding applications, including eligibility for Clean Water State Revolving Fund (SRF) financing.

CURRENT REPORT:

The City's WWTP was originally constructed in 1954, with major upgrades completed in 1976 and additional improvements implemented over time. Many core components are now beyond their intended design life and lack sufficient capacity to reliably meet current and anticipated future regulatory requirements.

The Facilities Master Plan evaluates existing conditions, projects wastewater flows and loading through the planning year 2045, and identifies deficiencies in influent and effluent pumping, headworks, secondary treatment, clarification, filtration, disinfection, solids handling, and supporting facilities. The plan also considers anticipated changes to the City's NPDES permit and future regulatory drivers.

Based on alternatives analysis and lifecycle cost evaluations, the plan recommends a phased improvement strategy to address the most critical deficiencies while allowing the City to align construction with funding availability and operational needs. The recommended improvements are organized into three phases:

- **Phase 1:** Solids stream treatment improvements
- **Phase 2:** Major liquid stream treatment improvements
- **Phase 3:** Final liquid stream and supporting infrastructure improvements

The plan also recommends continued infiltration and inflow reduction efforts, completion of a wastewater rate study, and future environmental review to support implementation and funding.

RECOMMENDATION:

This item is presented to City Council for discussion. Staff seeks Council input on the overall approach and conclusions of the Facilities Master Plan, the proposed project phasing and prioritization, and direction on initiating a wastewater rate study and preliminary planning for Phase 1 improvements.