



City of Oregon City

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Staff Report

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To: City Commission

Agenda #: 3b.

From: Public Works Director John Lewis

File Type: Presentation

SUBJECT:

Oregon City Sewer Master Plan Update

BACKGROUND:

The City last updated its Sanitary Sewer Master Plan in 2003. Sewer master planning for a City of Oregon City's size and complexity is considered necessary every 10 years.

In preparation for a master plan update, the Public Works Department has undertaken the following steps:

- October 2011, executed a contract with Brown and Caldwell, Inc. (B & C) to provide the professional services necessary to develop a flow monitoring strategy for collecting wet weather sanitary sewer flow information from the City's sanitary sewer collection system.
- January of 2012, executed Amendment No. 1 for the wet weather flow monitoring. Services included implementation of the recommended flow monitoring strategy including 2 months of flow monitoring at 15 locations around the City's wastewater collection network. The flow data was needed to accurately document wet weather flows for future hydraulic modeling.
- February of 2012, executed Amendment No. 2 authorizing B & C to complete the bulk of the sewer master plan including utilizing the flow monitoring data, building the hydraulic model, evaluating the hydraulics of the collection system, assessing the City's 13 lift stations, identifying existing and future capital improvements, completing project concept level cost estimates and assisting City staff during public outreach efforts.
- October 2013, staff presented the City Commission with a Sanitary Sewer Master Plan Update "Master Plan Development 101".

UPDATE:

The City and B & C have been working to complete the update, which has turned out to be more of a new sewer master plan than an update. The new master plan identifies areas with current system capacity concerns, build out capacity concerns, and areas within the system most likely to have leakage or other types of problems. Specifically, the plan is a detailed assessment based on a variety of information and analysis. The plan also provides the City with a detailed understanding of necessary capital improvements, system rehabilitation and replacement recommendations, the cost of the improvements and program recommendations, and recommendations for best management practices. In particular, as a result of the plan and modeling results the final plan will include a supplementary discussion of the impacts of development and redevelopment on the city-wide system.

City staff will go over the plan with the City Commission with an emphasis on capacity concerns and how these capacity concerns will impact Oregon City. Additional information will be provided on land use impacts and adoption of the new plan.