



22500 Salamo Road  
West Linn, Oregon 97068  
<http://westlinnoregon.gov>

## UTILITY ADVISORY BOARD MEETING

Tuesday, March 12, 2019

6:00 pm – West Linn City Hall – Bolton Conference Room

The Utility Advisory Board shall make recommendations to the City Council concerning rates for water. These recommendations shall pertain to those legislative matters to be decided by the City Council concerning or affecting rates, such as master facility plans and service levels as they relate to rates.

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**Members present:** Bill Frazier, Ed Keonjian, Jon Miller, Amit Armstrong

**Members absent:** Erik Miller, Drew Hanson, Jocelyn Pease

**Staff present:** Amy Pepper, Richard Sakelik (Council Liaison), Erich Lais

**Guests present:** Charlie Mathews (Planning Commission), Matt Huang (consultant), Aurelie Nabonnand (consultant), Jim Farrell (Planning Commission), Gary Walvatne (Planning Commission), Carrie Pellett

### 1. Call to order and Introductions

Called to order at 6:00pm by Bill Frazier.

### 2. Review and Approval of November 13, 2019 Summary Notes

Motion to approve made by Bill and seconded by Amit. The motion was approved unanimously.

### 3. Business:

#### a. Election of 2019 Chair and Vice-Chair

Bill nominated for Chair and Amit was nominated to Vice-Chair. John motioned and Ed seconded. Motion approved unanimously.

#### b. Water usage report for fiscal year 2018

Group reviewed capital expenditures for the FY17 & FY18 years for purchasing of bulk wholesale water from South Fork Water Board. The City purchased water from Lake Oswego (LOT) during times the City's water system was offline due to repairs to the City's main distribution line. The City has an intergovernmental agreement with Lake Oswego and Tigard to supply water during such events. Members asked if the City is still investing in replacement of old water lines for earthquake resilience. Staff clarified that the City continues to invest in an annual water line replacement project.

#### c. Review of 2019 meeting schedule (monthly vs. bi-monthly, scheduling of tours for water and treatment plant facilities)

The group discussed meeting again in April to review the master plans than discuss the meeting schedule further at future meeting.

#### d. Sewer Master Plan Review

City has been working on the Sanitary Sewer Master Plan for the past year and consultants from Carollo were present to provide an overview. Councilor Sakelik inquired if the Master Plan draft was available on the website. Amy Pepper clarified that it would be available for review and public comment in the future after the draft had been reviewed by the UAB. Development of plan included assessment of existing system, flow monitoring, land use review, hydraulic modeling, capacity evaluation, evaluation of

inflow and infiltration, and a Capital Improvement Plan. The sewer system is completely separate from the City's storm system. Sewer treatment is conducted across the river at the Tri-Cities Sewer Plant. Sewer flow monitoring was conducted at 10 key manholes to create the hydraulic models (calibrated to true field data). Waste water flow includes dry weather flow (generated in homes and businesses on an average daily basis). Generally there are peaks in the morning and evenings for this flow rate. Another is wet weather flow. When it rains there is additional water entering the system and flow rate can increase up to 8 times the normal rate. Increased flows can be credited to older roof drain connections, storm drain cross connections, and clean outs. These connections are no longer made with newer construction but can exist in older areas. Contributing to increased flow is inflow & infiltration (ground water that enters system via cracks in pipes, broken laterals, or where tree roots have entered the pipe). Plan review related to land use planning (empty parcels, possible future development/redevelopment) determined that dry weather flow is at 3.3MG/day and with potential build out it is projected to be at 3.7MG/day. A hydraulic model was built to determine this and was based on all pump stations (including WES), 43 miles of pipe (approx. 25% of total sewer pipes within the City) and was performed for both dry and wet weather. Another component of the model is degradation of the existing system over time (increasing inflow & infiltration). Reducing I & I reduces peak flows to the waste water treatment plant, the need for additional infrastructure to handle increased flows, and further deterioration of the existing system. Bill asked if the City had an idea of how many individual homes have storm systems connected to the sewer system. The City does not have data on this but does have plans to review this issue in the future by performing smoke testing. The City has identified areas with the highest I & I flow rates. The area in the north of the City has made substantial progress with lining of existing pipes so I & I is lower here as well as in the Willamette area (where lining has occurred). After reviewing all this information, a proposed capital improvement plan was developed. The capital improvements are divided into 3 categories, high priority (next 5 years), medium priority (5+ years out), and low priority (projects not in needed currently but will be needed in the future due to increased flow and/or growth). The capital improvement plan identifies about \$36 Million in projects over the next 20 years. Next steps including addressing any comments received by the board or public during the public comment period, presenting the document to the Planning Commission, and finally to City Council for final adoption. Staff provided clarification that sewer capital projects are not funded by the General fund but from Environmental Service utility fees and system development charges.

#### **4. Capital Project Update**

None

#### **5. Board Discussion/Announcements**

Board discussed and agreed to meet on April 9th to receive an update on the Stormwater Master Plan and further review the Sewer Master Plan. The board also discussed that once the master plans were ready for public review and comment having the Community Relations Coordinator post notice in the Tidings and utility bill.

#### **6. Public Comments**

None

#### **7. Adjournment**

Motion to adjourn and seconded. Meeting adjourned at 7:00pm