



## **UTILITY BOARD REGULAR MEETING MINUTES MAY 8, 2018**

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### **CALL TO ORDER:**

Vice Chair O'Connell called the regular meeting of the Utility Board to order at 7:02 p.m. in the Council Chambers Room at City Hall, 9611 SE 36th Street, Mercer Island, WA.

### **ROLL CALL:**

Present: Vice Chair Tim O'Connell, Board Members Tom DeBoer, Mary Grady, Will Pokorny, and Brian Thomas and Council Liaison Debbie Bertlin

Absent: Board Members Kwan Wong and Stephen Milton.

City Staff: Jason Kintner, Public Works Director, Rona Lin, Water Utility Engineer, Mike Helton, GIS Analyst, and Asea Sandine, Recording Secretary were also present.

### **MINUTES:**

Board Member Thomas moved to approve the minutes from the February 13, 2018 meeting. Board Member DeBoer seconded the motion. The Board unanimously approved the minutes.

### **REGULAR BUSINESS:**

#### **WATER QUALITY METRICS & CIP CLASSIFICATION**

Jason Kintner, Public Works Director, shared with the Board that the City received a notice of completion letter from the Department of Health (DOH) regarding the Water Advisory Event and Action Plan. Part of the Action Plan was to include water quality metrics as a component of the Water Utility Capital Improvement Program (CIP) classification.

Kintner introduced Mike Helton, GIS Analyst and Rona Lin, Water Utilities Engineer to present the Water Quality Metrics CIP Classification to the Board. The same presentation was also given at the 2018 PNWS-AWWA Annual Conference. Lin advised that following the Water Advisory Event in 2014, the City hired Confluence Engineering Group (Confluence) to review City operations and identify best practice improvements to implement within the water utility. Since the Water Advisory, the City has recognized a greater need to incorporate water quality data as an evaluation component of water main replacement criteria for the Capital Improvement Program. Previously, water main replacements were prioritized utilizing data that included type and age of pipe, fire flow capacity, service area considerations, and pipe condition rankings (frequency of pipe breaks, pipe material, age). Water quality data will now be considered as part of this project prioritization, beginning with the 2019-2024 CIP.

With assistance from Confluence, the City now has a water quality condition assessment tool utilizing data (chlorine residual, R2A, total iron, customer complaints, etc.) in conjunction with the GIS database to prioritize water main replacement projects. A GIS map overlay shows areas and levels of risk (good, moderate, poor) by highlighting where projects should be prioritized. Lin concluded the presentation by sharing projects that are currently underway to

improve water quality including implementation of a unidirectional flushing program and utilizing new watermain cleaning technology, such as ice pigging a large water main.

Lin concluded that much work has gone into improving water utility and staff continues to monitor the effectiveness of these efforts. Data sets continue to grow allowing larger sample collections and data norms to develop that will assist with future capital reinvestment needs.

### **2018 WORK PLAN**

The Board reviewed the work plan and requested an update at a future meeting regarding the King County Sewer Interceptor Project. Kintner advised that the Solid Waste contract review was pushed out due to hiring of the consultant this month. He shared this will be underway in the next few months and that he may need to add in another date before November.

**NEXT MEETING:** June 12, 2018.

**ADJOURNMENT:** 8:09 PM

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Asea Sandine  
Recording Secretary