

Summary of Engineering and Planning (E&P) Subcommittee June 1, 2017 Meeting for MWPAAC General Meeting on June 28, 2017

Lake Hills and Northwest Lake Sammamish Sewer Project and Recycled Water Component

King County WTD is beginning the final design of a \$94 million replacement sewer main along West Lake Sammamish Parkway from south of Marymoor Park to near Redmond City Hall. WTD is considering adding to the project the installation of 1.3 miles of a “dry” recycled water pipeline in anticipation of extending the delivery of recycled water further south in the future. Currently, recycled water is delivered to 60 Acres Park at the north end of the City of Redmond, a gap of about 0.8 miles from the proposed “dry” pipeline. Installation of the up to \$6 million “dry” pipeline at the same time as the sewer main may result in economies of scale due to constraints such as traffic and trail impacts, critical areas, and narrow construction corridors. E&P Committee members recommended that King County consider potential future customers and economic analyses as part of WTD’s decision whether to include the recycled water pipeline in the Lake Hills project.

Biosolids Process

WTD staff discussed biosolids content and treatment processes in preparation for the July 26 field trip to Tacoma’s treatment plant that produces the biosolids product Tagro. As a Class A biosolid, use of Tagro is unrestricted (can be used by farmers and home gardeners). WTD produces Loop, a Class B product that is primarily used in commercial agricultural processes (eastern Washington and forest application) and mixed with sawdust to produce commercially-available GroCo. King County will be evaluating the production of a Class A biosolid as part of the biosolids strategic plan currently underway.

Water Quality Assessment

The Water Quality Assessment and Monitoring Study that was authorized by the King County Council in 2012 found that 85% of the bacteria in the three water bodies (Lake Union/Ship Canal, Elliott Bay, Duwamish Estuary) are from combined sewer overflows (CSO). The 2018 CSO Long Term Control Plan (LTCP) Update will recommend that the CSO treatment and storage projects proceed as planned. It is expected that CSO control will reduce fecal coliform contamination by about 80%. The Assessment also found that water quality is impacted from sources other than CSOs: copper from boat bottom paint, polycyclic aromatic hydrocarbons (PAHs) creosote-treated pilings, and upstream watersheds and urban stormwater runoff. King County plans to promote regional discussions to address these other water quality issues.

Reminder - Change in E&P Meeting Time

The E&P Subcommittee now starts after the Rates and Finance Subcommittee. Consult your MWPAAC meeting announcements for specific time information.

Questions?

Lisa Tobin, Chair
LTobin@auburnwa.gov
(253) 804-5062

Paul Bucich, Vice-Chair
PBucich@bellevuewa.gov
(425) 452-4596