

Summary of Engineering and Planning (E&P) Subcommittee April 6, 2017 Meeting for MWPAAC General Meeting on April 26, 2017

Infiltration/Inflow (I/I) Program Update

King County WTD and its consultant team (Brown and Caldwell, EnviroIssues, Blue Heron, and FG Solutions) reviewed the “engagement plan” to provide E&P and the full MWPAAC membership with opportunities to review and provide input to the Evaluation of I/I Reduction Concepts project. The consultant team has completed 19 of the 34 interviews with the component agencies to gather information on the agencies’ design standards and inspection practices, as well as gathering input on private side sewer programs. The remaining interviews should be completed by May.

The team plans to conduct a series of 2-hour meetings with E&P to review:

- Existing side sewer inspection and training programs – September 2017
- Options for side sewer inspection and maintenance programs – November 2017
- Options for private sewer insurance and grant/loan programs – November 2017
- Framework for 4 potential private side sewer programs – March 2018

E&P will summarize these meetings at subsequent MWPAAC meetings. All MWPAAC members, especially elected officials whose agency may consider future side sewer programs, are encouraged to participate in these E&P meetings. The E&P meetings are an opportunity to gain in-depth knowledge and to provide your agency’s perspective.

Alderwood Water and Wastewater District Flow Monitoring Program

WTD will begin their decennial flow monitoring program in 2019. Last year, some E&P subcommittee members expressed interest in expanding the flow monitoring program to identify potential capacity issues within the component agencies’ collection systems.

Alderwood has initiated such a flow monitoring program, with input from King County staff, to assess their own capacity and I/I issues. Alderwood staff presented their process to develop and implement the flow monitoring program in their fast-growing district. One of the drivers for Alderwood’s program is to field-verify the need for 73 capacity-driven projects; if the flow monitoring results show that a project is not needed or can be deferred, the avoided capital cost may pay for the monitoring program. Alderwood plans to install some permanent monitors in the system that will transmit cellular flow information to alert maintenance staff of potential issues. They also plan to install monitors that can be moved within the sewer system to pinpoint areas with I/I or capacity issues. They were successful in negotiating very favorable pricing with the flow monitor vendors by purchasing the flow monitors in bulk.

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?

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