

## **Summary of Engineering and Planning (E&P) Subcommittee March 7, 2019 Meeting for MWPAAC General Meeting on March 27, 2019**

**Announcing E&P's New Vice-Chair:** Gary Schimek, City of Redmond

### **Local Public Agency (LPA) Program Process Evaluation**

King County WTD reviews and approves any construction activities that impact its regional conveyance system. Examples include the need to relocate, connect to, or protect King County's conveyance facilities. The local sewer agencies and other agencies performing construction (such as Burlington Northern Railroad or WSDOT) provide King County with paper or electronic copies of plans for their review and approval. These plans include both capital improvement projects and work performed by developer's contractors.

WTD is seeking to streamline the process and to help local agencies understand the process better. WTD has hired a consultant to develop recommendations, which will be presented to E&P in the upcoming months.

### **Mapping Local Public Sewer Agency Systems in the WTD's Geographic Information System (GIS)**

King County WTD and many local agencies use GIS to store information about their sewer systems – pipes, manholes, pump stations, etc. WTD uses the sewer data that is stored in their GIS to:

- Determine which agency owns a facility so that emergency response can be more effective
- Ensure that the correct agency is marking their facilities in response to One Call
- Perform computer modeling about the capacity and performance of the regional sewer system, which helps plan future projects
- Trace the source of industrial pollution

WTD is proposing to expand access to the regional sewer system GIS data to the local agencies so that they will know who to call for emergency response (e.g., which agency's manhole is overflowing) and where surrounding agencies have sewer facilities. King County's GIS data can also serve as the start of implementing GIS mapping for an agency that does not yet have GIS. The addition of local agency data to WTD data provides additional detail to more accurately predict how the regional sewer system operates. WTD's GIS staff have been entering local agency data when it is available, but the local agencies' data has not been updated consistently (some of it is very out of date and does not reflect new facilities).

WTD would like feedback from the local agencies on this proposal.

- ? Should the data be published on the web so that it is available to the public as well as agencies?
- ? Should access be restricted to authorized personnel from the local agencies?
- ? What information can the local agencies provide to provide a more complete picture of the regional sewer system including the local agencies?

E&P will have additional discussions about this proposal in the coming months.

## **Infiltration/Inflow (I/I) Program Phase 2 Status Update**

WTD and E&P developed a scope of work for Phase 2 of the I/I Reduction program, to evaluate and develop plans for the 3 I/I reduction strategies that MWPAAC selected in December for further evaluation:

- Regional Best Management Practices or local agencies to use in constructing, repairing, rehabilitating, and demolishing side sewers and sewers
- Inspector training and certification program
- Private side sewer inspection program with financial assistance

The plan for Phase 2 is to prepare in-depth evaluations and detailed implementation plans for all 3 strategies. It will include identifying program goals and critical success factors, details of major program components, roles and responsibilities associated with each concept, costs and funding, methodology to evaluate the benefit of each concept, barriers to implementation and mitigation measures, lessons learned from similar programs at other agencies, and other key considerations such as legal and political implications, property owner impacts, WTD and local agency impacts, and equity and social justice. For each concept, Phase II will prepare an implementation plan. Then MWPAAC would decide whether to recommend to WTD to proceed with one or more of the strategies (the “Decision Point”, sometime in 2021 or 2022).

However, it appears that the scope of work exceeds the available project budget and staff resources for the current WTD budget. WTD proposes that their consultant, Brown and Caldwell, will develop the program goals, methods, and background information for all 3 strategies, and will develop the implementation plans for the BMPs and inspector training strategies. Once this work is complete, MWPAAC can consider whether to recommend proceeding with implementation of the BMPs and inspector training. These two strategies are intended to prevent or minimize future I/I, so implementing such strategies as early as possible could have long-term benefits.

Then, the implementation strategy, benefit evaluation, outreach program, and financial assistance element of the private side sewer inspection program will be deferred to a future phase, once budget and resources are available. WTD will present a revised scope of work at the April E&P subcommittee meeting. Please plan to attend to provide your agency’s input.

### **Questions?**

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