

Summary of Engineering and Planning (E&P) Subcommittee November 3, 2016 Meeting for MWPAAC General Meeting on December 14, 2016

Combined Sewer Overflow (CSO) Treatment Facilities Overview, including Elliott West Facility Assessment

At the October 26 General Meeting, King County WTD staff discussed an overflow incident at the Elliott West CSO Treatment Facility. At the subsequent November 3 E&P subcommittee meeting, King County WTD staff provided additional details about the Facility, and other existing CSO facilities (Alki, Carkeek, and Henderson/MLK) that have been operating for many years. Alki and Carkeek originally served other purposes (e.g., primary sewage treatment plant) or are located on a highly-constrained site, which creates challenges for repurposing them as CSO facilities. The facilities have been evaluated to improve storage, treatment, access, and other parameters, where feasible. Another challenge is that improvements can be tested only during wet weather events, and may require subsequent improvements to achieve the desired results.

King County Industrial User Survey Update

In 2015, E&P worked with Industrial Waste staff to develop a survey to identify any businesses whose wastewater discharges should be regulated (e.g., pre-treated). King County staff originally identified over 80,000 businesses, removed those already regulated or those with low risk, and sent surveys to 24,000 businesses. The survey generated a 36 percent response, considered an excellent return rate. Nearly 3,000 high- and medium-priority businesses were identified for follow-up investigation, including foundries, machine shops, plastics manufacturers, and wholesale seafood; over 80% of these businesses have responded. The remaining low-priority businesses were provided with information about pretreatment and hazardous waste discharge reporting requirements. King County is submitting their report to Ecology, and is continuing to evaluate the information received. Once the evaluation is complete, King County expects to share the information with the component agencies in late 2017.

Status of Conveyance System Improvement (CSI) Update

King County staff continued the discussion of the alternatives evaluation process from the October subcommittee meeting, including further explanation about how the “recurrence interval” of projected sewer flows is used to prioritize projects. Other factors included where an emergency overflow would discharge and how facility condition data are used in the prioritization process. Further discussion is planned for 2017 (not at the December 2016 meeting).

Questions?

Lisa Tobin, Chair

LTobin@auburnwa.gov

(253) 804-5062

Paul Bucich, Vice-Chair

PBucich@bellevuewa.gov

(425) 452-4596

2016 in Review
Engineering and Planning (E&P) Subcommittee
for MWPAAC General Meeting on December 14, 2016

The Engineering and Planning Subcommittee, often in concert with the Rates and Finance (R&F) Subcommittee, worked with King County WTD staff to make significant progress on a broad range of topics this year:

- **Infiltration/Inflow I/I Strategies** – developed scope of work for consultant to develop a range of strategies for managing I/I on a regional level. Consultant beginning work in 2017.
- **Technical Work Group (TWG) on Cost Estimating** – briefed on TWG’s recommendations for improving project cost estimates (ongoing)
- **Water Quality Assessment** – briefed on field results of Duwamish and Puget Sound investigations (ongoing)
- **Onsite Septic System** – members of E&P assisted King County Health in developing work program for onsite septic systems (complete)
- **Industrial Waste Rates** – received initial briefing on proposed rate structure changes, continuing in 2017
- **Capital Improvement Program** – discussed budget and rate setting process relative to CIP, reviewed 6-year CIP expenditure plan (ongoing)
- **Resiliency and Recovery Project** – briefed on consultant scope of work to evaluate the resiliency of KC transmission and treatment facilities following major disasters (ongoing)
- **Combined Sewer Overflow (CSO)** – briefed on various CSO projects, joint operating strategies with City of Seattle
- **King County Industrial User Survey Update** – briefed on survey results (ongoing)
- **Conveyance System Improvement (CSI) Update** – reviewed CSI update proposed projects and prioritization process for completion of the CSI Update in early 2017

For more information on these projects, please visit the E&P Subcommittee meeting materials on the MWPAAC website:

<http://www.kingcounty.gov/services/environment/wastewater/mwpaac/committees/engineering.aspx>

Questions?

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

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

2016 in Review
Rates and Finance (R&F) Subcommittee
for MWPAAC General Meeting on December 14, 2016

The Rates and Finance Subcommittee, often in concert with the Engineering and Planning (E&P) Subcommittee, worked with King County WTD staff to make significant progress on a broad range of topics this year:

- **Technical Work Group (TWG) on Cost Estimating** – briefed on TWG’s recommendations for improving project cost estimates (ongoing)
- **Industrial Waste Rates** – received initial briefing on proposed rate structure changes, continuing in 2017
- **Capital Improvement Program** – discussed budget and rate setting process relative to CIP, reviewed 6-year CIP expenditure plan (ongoing)
- **Resiliency and Recovery Project** – briefed on consultant scope of work to evaluate the resiliency of KC transmission and treatment facilities following major disasters (ongoing)
- **Joint Project Agreement for Ship Canal Water Quality Project** – briefed on this project; additional briefings anticipated associated with various milestones
- **Budget and Rate Development:**
 - Reviewed the draft 2017-2018 operating expenses
 - Reviewed capital improvement program (budget and specific projects)
 - Developed rate recommendation letter; the proposed and adopted rate was in line with the MWPAAC debt review recommendation

For more information on these projects, please visit the E&P Subcommittee meeting materials on the MWPAAC website:

<http://www.kingcounty.gov/services/environment/wastewater/mwpaac/committees/finance.aspx>

Questions?

Jack Broyles, Chair

jbroyles@woodinvillewater.com

425-487-4106

Maria Coe, Vice-Chair

maria.coe@seattle.gov

206-233-7905