

Summary of Engineering and Planning (E&P) Subcommittee October 1, 2020 Meeting for October 2020 MWPAAC General Meeting

Asset Management – South Plant

As noted last month, WTD is providing a series of presentations about existing and future asset management needs that are contributing to WTD's need for future rate increases. This presentation focused on asset management needs at the 55-year old South Plant. South Plant's equipment suffers from some of the same issues as West Point: fibrous materials clogging pumps and machinery, corrosion due to hydrogen sulfide from sewer gases and corrosive process chemicals, and obsolescence due to rapidly-changing technology. Remember the extensive underground pipe galleries that we saw on the South Plant tour in 2019? Some of that piping will need to be replaced, while still keeping the plant in full operation. Other planned major asset replacements include the boiler system that provides heat for the sludge digesters, barscreens, screening dewatering equipment, electrical equipment, sludge gas scrubbing improvements, odor control equipment, secondary effluent control equipment, and a new motor and drive for raw sewage pump #3. Capacity improvements in most of the treatment processes will be needed in the 2030's and early 2040's.

Local Public Agency Process Update

The Local Public Agency (LPA) Program provides engineering support for projects that directly or may indirectly impact Wastewater Treatment Division's sewer infrastructure. LPA also reviews design plans for local agency projects, issues approval letters, and performs inspections during construction to ensure these projects comply with regulations. LPA's website has been live for a year, but with only limited traffic. Outreach to the local sewer agencies is crucial to inform the agencies about when and how the agencies and their customers should be using the LPA's services. E&P Chair and Vice-Chair will meet with LPA staff to develop an outreach program, and we will report back at a future E&P and full MWPAAC meeting.

Questions?

Lisa Tobin, Chair

LTobin@auburnwa.gov

(253) 804-5062

Gary Schimek, Vice-Chair

GSchimek@redmond.gov

(425) 556-2742