

**Summary of Engineering and Planning (E&P) Subcommittee December 5, 2019
Meeting for MWPAAC General Meeting on December 11, 2019**

Infiltration/Inflow (I/I) Reduction 101 (Separated Sewer System Only)

- Definition of I/I:
 - Inflow is storm-related surface water that enters the sewer through illegally-connected roof and yard drains and storm system, and through faulty manhole covers and cones
 - Infiltration is subsurface flow or groundwater that enters through broken pipes, faulty connections, deteriorated manholes
- History of Program:
 - 1999 – Regional Wastewater Services Plan created program
 - 2000-2005 – completed I/I control study to develop plan
 - 2005 – Executive recommended regional I/I Control Program
 - 2006-2014 – implemented program recommendations, a series of pilot projects across the region, and considered I/I reduction as part of Conveyance System Improvements (CSI) planning
 - 2015 – present – develop new measures to reduce I/I, especially in side sewers
- How I/I Reduction Impacts Regional System
 - I/I uses up to 75% of the capacity of the regional Conveyance System
 - The timing and size of some future CSI projects may be affected by I/I
 - I/I must be treated at the wastewater treatment plants, affecting the flows and loads
- Over the next year, will be analyzing and defining:
 - Best management practices
 - Inspector training and certification
 - Private side sewer inspection/repair/replacement program with financial assistance element

Questions?

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

Gary Schimek, Vice-Chair
GSchimek@redmond.gov
(425) 556-2742