

Memorandum

From: OOW-H&H Modeling Group

Date: October 19, 2022

Re: CSO LTCPU Updated Allocations

This memo summarizes the proposed changes to percentage allocation of the City of Philadelphia’s (City’s) combined sewer overflow (CSO) Long-term Control Plan Update (LTCPU) commitments of the City’s Consent Order Agreement (COA) to wholesale wastewater customers based upon the Water Department’s updated methodology.

The previous calculation method used to assign the wholesale customer’s portion of the costs associated with implementing the COA was based on the ratio of the wholesale service agreement’s peak flow limit to the total permitted peak wastewater treatment capacity available at Philadelphia’s three water pollution control plants (WPCPs).

The revised method is based on the estimated impact a current wholesale customer’s flow contribution has on the average annual CSO volume from the permitted CSO outfalls in the City. The average annual CSO volume is determined using hydrologic and hydraulic (H&H) models of PWD’s wastewater collection and treatment system as developed in conjunction with the ongoing implementation of Philadelphia’s CSO LTCPU.

Based upon the updated methodology, the updated LTCPU COA cost allocation percentages would be as follows.

Customer	Current Contract LTCPU Cost Allocation Percentage	Proposed Contract LTCPU Cost Allocation Percentage
Abington	0.5824360%	0.10%
Bensalem	N/A	0.12%*
Bucks County	N/A	0.68%*
Cheltenham	2.4280050%	1.12%
DELCORA	9.4428710%	0.21%
Lower Merion	N/A	1.08%*

Customer	Current Contract LTCPU Cost Allocation Percentage	Proposed Contract LTCPU Cost Allocation Percentage
Lower Moreland	0.3588291%	0.06%
Lower Southampton	0.9641200%	0.16%
Springfield	0.7932000%	0.27%
Upper Darby	N/A	0.61%*

*Requires contract amendment.

The above percentages are recommended for use in the wholesale cost of service analysis and for the purposes of future contract negotiations (as applicable). In addition, the H&H models will be used going forward and updated with the best available information as data collection efforts continue and to reflect significant changes which may arise.