

**BEFORE THE PHILADELPHIA WATER, SEWER AND STORM WATER
RATE BOARD**

In the Matter of a Proposed Rate Increase in :
Water, Sewer and Storm Water Rates : **FY 2019-2021 Rates**

**Public Advocate's Interrogatories & Requests for Production of Documents
Set VIII**

- PA-VIII-1. Reference the response to PA-ADV-43:
- a. Please identify what AWWA standards PWD believes are appropriate to assess whether the level of NRW and leakage (separately) on the PWD system are reasonable and within AWWA industry standards; and
 - b. Provide supporting calculations to evaluate how PWD's NRW and leakage compare to AWWA industry standards.
- PA-VIII-2. Reference the response to PA-ADV-43. Please identify the extent to which mains or service line leakage contribute to wastewater I/I.
- PA-VIII-3. Reference the "Statement of Changes from the Advance Notice filed with the City Council and the Water, Sewer, and Stormwater Rate Board on February 12, 2018." Please provide a detailed explanation and all calculations and documentation supporting the changes to IA and GA square footage.
- PA-VIII-4. Please provide all information available or to which PWD or B&V is aware that compares the NRW and leakage experience of PWD with that of other water utilities.
- PA-VIII-5. Reference PWD Exhibit 6, Table W-11:
- a. Page 724, Line 3 ("PWD Facilities"). Please describe what usage is reflected on this line;
 - b. Page 724, Line 5 ("Estimated Non-Revenue Water based on % of System Metered Demand"). Please explain the basis for including NRW in the diversity factor calculations; and

c. Page 724, Lines 3 and 5. Please provide a reference to the AWWA M-1 Manual supporting the inclusion of items (a) and (b) in the diversity factor calculation.

PA-VIII-6. Reference the response to PA-ADV-37. Please update this response for FY 2017 and FY 2018 to date.

PA-VIII-7. Reference the response to PA-ADV-43. Please update this response for FY 2017.