



CITY OF SOMERVILLE, MASSACHUSETTS
WATER & SEWER DEPARTMENT
KATJANA BALLANTYNE
MAYOR

DEMETRIOS G. VIDALIS, PE, SHEP
 DIRECTOR

December 6, 2022

To: Public Utilities Public Works Committee Members
From: Water and Sewer Dept., Director Demetrios G. Vidalis, PE, SHEP

Subject: Response to Item 22-1692- That the Director of Water and Sewer report to this Council, the account, purchase and usage information requested

The Director of Water and Sewer reporting back to the Council on:

- 1) The total number of water and sewer accounts
 There are 15,546 meters/accounts in the City of Somerville

- 2) The number of water and sewer accounts that have seen year-on-year increases of greater than 50 percent for the most recent billing period
 In looking at our most recent bill run, consisting of 5,476 accounts within District 2, Water and Sewer found that less than 1.5% (82) of the accounts show an increase of greater than 50% from the previous year.

- 3) The total amount of water purchased by the City from the Massachusetts Water Resources Authority by billing period for this year and the previous two years

Massachusetts Water Resources Authority						
City of Somerville Water Use						
	Somerville Water Use					
	CY2020		CY2021		CY2022	
	MG	MGD	MG	MGD	MG	MGD
Jan	166.4	5.37	163.5	5.27	165.8	5.35
Feb	159.5	5.50	149.7	5.35	158.6	5.67
Mar	184.0	5.93	165.2	5.33	168.0	5.42
Apr	171.9	5.73	166.5	5.55	162.0	5.40
May	176.8	5.70	179.7	5.80	174.5	5.63
Jun	184.7	6.16	189.3	6.31	172.9	5.76
Jul	172.3	5.56	173.9	5.61	0.0	0.00
Aug	178.1	5.75	187.2	6.04	0.0	0.00
Sep	171.3	5.71	177.4	5.91	0.0	0.00
Oct	167.3	5.40	174.7	5.64	0.0	0.00
Nov	155.3	5.18	158.6	5.29	0.0	0.00
Dec	157.7	5.09	160.9	5.19	0.0	0.00
YTD Total*	1,043.4		1,013.9		1,001.8	
Annual Total	2,045.3		2,046.6		1,001.8	
YTD Average*		5.73		5.60		5.53
Annual Average		5.59		5.61		5.53



- 4) The total amount of water used by Somerville water and sewer accounts by billing period for this year and the previous two years.

The information on non-revenue water is not yet available for the current year, however for 2021 and 2020, see below:

2020

PWSID#: 3274000		Year: 2020
Name: Somerville Water Department		
Town: Somerville, MA		
Unaccounted for Water	Million Gallons	%
Total Water Available for Distribution	2045.29	100.00%
Total Metered Use	1760.665	86.08%
Total Confidently Estimated Municipal Use	26.448	1.29%
Unaccounted for Water	258.177	12.62%
Confidently Estimated Municipal Use		
Category	Million Gallons	
Fire Protection & Training	1.1	
Hydrant/Water Main Flushing/Construction	5.035	
Flow Testing	0.401	
Bleeders/Blowoffs	NA	
Sewer & Stormwater Flushing	0.052	
Street Cleaning	1.203	
Source Meter Calibration	NA	
Major Water Main Breaks	18.657	
Total CEMU	26.448	

2021

PWSID#: 3274000		Year: 2021
Name: Somerville Water Department		
Town: Somerville, MA		
Unaccounted for Water	Million Gallons	%
Total Water Available for Distribution	2,046.569	100.00%
Total Metered Use	1,884.928	92.10%
Total Confidently Estimated Municipal Use	51.127	2.50%
Unaccounted for Water	110.514	5.40%
Confidently Estimated Municipal Use		
Category	Million Gallons	
Fire Protection & Training	1.372	
Hydrant/Water Main Flushing/Construction	43.086	
Flow Testing	0.488	
Bleeders/Blowoffs	0.000	
Sewer & Stormwater Flushing	0.018	
Street Cleaning	1.203	
Source Meter Calibration	0.000	
Major Water Main Breaks	4.961	
Total CEMU	51.127	