

SUEZ WATER RHODE ISLAND, INC.
Docket No. 4800
COMMISSION'S FIRST SET OF DATA REQUESTS DIRECTED TO
SUEZ WATER RHODE ISLAND, INC. (SWRI)
May 7, 2018

COM 1-2
Updated 7/13/2018
(Gil)

COM 1-2 Please identify the number of SWRI customers by type (i.e. residential, commercial, industrial, etc.) and please provide a sample monthly billing for each class of customer.

Response: For the number of Customers by Type please refer to MFR 2.8h "Number of Meters per Revenue Class" and for the sample of monthly billing by class please refer to MFR 2.8i "Effect of Proposed Rate Change".

Updated: Please refer to the attached MFR 2.8h page 4 and MFR 2.8i page 1-3.

**SUEZ Water Rhode Island
Effect of Proposed Rate Change**

Customer Class	Bill Freq.	Meter Size	Typical Usage CCF		Typical Bill at Current Rates	Typical Bill at Proposed Rates	Difference		
			Block 1	Block 2			Amount	Percentage	
			<u>0-8 CCF</u>	<u>Over 8 CCF</u>					
Residential									
RES	M	5/8"	-	-	\$ 10.61	\$ 12.92	\$ 2.31	21.73%	
RES	M	5/8"	6	-	\$ 28.72	\$ 33.60	\$ 4.88	16.99%	
RES	M	5/8"	7	-	\$ 31.74	\$ 37.05	\$ 5.31	16.73%	
RES	M	3/4"	8	23	\$ 122.55	\$ 158.24	\$ 35.70	29.13%	
RES	M	1"	8	7	\$ 67.31	\$ 83.17	\$ 15.86	23.56%	
RES	M	1 1/2"	8	38	\$ 195.99	\$ 251.12	\$ 55.13	28.13%	
RES	M	2"	8	27	\$ 164.22	\$ 211.22	\$ 47.00	28.62%	
			<u>Typical Usage CCF</u>						
			<u>All CCF</u>	<u>N/A</u>					
Commercial									
COM	M	5/8"	-	-	\$ 10.61	\$ 12.92	\$ 2.31	21.73%	
COM	M	5/8"	7	-	\$ 30.79	\$ 36.34	\$ 5.55	18.04%	
COM	M	5/8"	8	-	\$ 33.67	\$ 39.69	\$ 6.02	17.88%	
COM	M	5/8"	9	-	\$ 36.55	\$ 43.03	\$ 6.48	17.74%	
COM	M	1"	20	-	\$ 74.32	\$ 87.45	\$ 13.13	17.67%	
COM	M	1"	21	-	\$ 77.20	\$ 90.80	\$ 13.59	17.61%	
COM	M	1"	22	-	\$ 80.08	\$ 94.14	\$ 14.06	17.55%	
COM	M	1 1/2"	36	-	\$ 131.80	\$ 153.66	\$ 21.85	16.58%	
COM	M	1 1/2"	39	-	\$ 140.45	\$ 163.69	\$ 23.25	16.55%	
COM	M	1 1/2"	41	-	\$ 146.21	\$ 170.39	\$ 24.17	16.53%	
COM	M	2"	75	-	\$ 254.06	\$ 299.35	\$ 45.29	17.83%	
COM	M	2"	85	-	\$ 282.88	\$ 332.81	\$ 49.93	17.65%	
COM	M	2"	95	-	\$ 311.70	\$ 366.27	\$ 54.57	17.51%	
COM	M	3"	190	-	\$ 598.38	\$ 719.62	\$ 121.24	20.26%	
COM	M	3"	195	-	\$ 612.79	\$ 736.35	\$ 123.56	20.16%	
COM	M	6"	115	-	\$ 462.60	\$ 646.08	\$ 183.48	39.66%	
COM	M	6"	120	-	\$ 477.01	\$ 662.81	\$ 185.80	38.95%	
COM	M	8"	80	-	\$ 458.03	\$ 681.03	\$ 223.00	48.69%	
COM	M	8"	85	-	\$ 472.44	\$ 697.76	\$ 225.32	47.69%	

**SUEZ Water Rhode Island
Effect of Proposed Rate Change**

Customer Class	Bill Freq.	Meter Size	Typical Usage CCF		Typical Bill at Current Rates	Typical Bill at Proposed Rates	Difference	
			Block 1	Block 2			Amount	Percentage
Industrial			Typical Usage CCF					
			All CCF	N/A				
IND	M	5/8"	40	-	\$ 125.89	\$ 146.76	\$ 20.87	16.57%
IND	M	1"	13	-	\$ 54.15	\$ 64.03	\$ 9.88	18.25%
IND	M	2"	50	-	\$ 182.01	\$ 215.70	\$ 33.69	18.51%
IND	M	2"	55	-	\$ 196.42	\$ 232.43	\$ 36.01	18.34%
IND	M	4"	1	-	\$ 78.70	\$ 137.92	\$ 59.21	75.24%
Public Authority			Typical Usage CCF					
			All CCF	N/A				
PATH	M	5/8"	3	-	\$ 19.26	\$ 22.96	\$ 3.70	19.20%
PATH	M	5/8"	6	-	\$ 27.91	\$ 33.00	\$ 5.09	18.24%
PATH	M	1 1/2"	20	-	\$ 85.69	\$ 100.12	\$ 14.43	16.84%
PATH	M	1 1/2"	21	-	\$ 88.57	\$ 103.47	\$ 14.89	16.82%
PATH	M	1 1/2"	22	-	\$ 91.45	\$ 106.81	\$ 15.36	16.79%
PATH	M	2"	50	-	\$ 182.01	\$ 215.70	\$ 33.69	18.51%
PATH	M	2"	55	-	\$ 196.42	\$ 232.43	\$ 36.01	18.34%
PATH	M	2"	60	-	\$ 210.83	\$ 249.16	\$ 38.33	18.18%
PATH	M	4"	70	-	\$ 277.56	\$ 368.79	\$ 91.23	32.87%
PATH	M	4"	75	-	\$ 291.97	\$ 385.52	\$ 93.55	32.04%
PATH	M	6"	70	-	\$ 332.91	\$ 495.51	\$ 162.60	48.84%

**SUEZ Water Rhode Island
Effect of Proposed Rate Change**

Customer Class	Bill Freq.	Meter Size	Typical Usage CCF		Typical Bill at Current Rates	Typical Bill at Proposed Rates	Difference	
			Block 1	Block 2			Amount	Percentage
			<u>Typical Usage CCF</u>					
			All MGL	N/A				
Resale								
PATH	M	4"	10,000	-	\$ 14,981.88	\$ 17,844.57	\$ 2,862.69	19.11%
PATH	M	4"	12,000	-	\$ 17,961.88	\$ 21,386.57	\$ 3,424.69	19.07%
PATH	M	4"	14,000	-	\$ 20,941.88	\$ 24,928.57	\$ 3,986.69	19.04%
PATH	M	4"	16,000	-	\$ 23,921.88	\$ 28,470.57	\$ 4,548.69	19.01%
PATH	M	4"	18,000	-	\$ 26,901.88	\$ 32,012.57	\$ 5,110.69	19.00%
PATH	M	4"	20,000	-	\$ 29,881.88	\$ 35,554.57	\$ 5,672.69	18.98%

Public Fire Rates

Description	FRQ.	Current Rates	Proposed Rates	Percentage Change
Public Fire Hydrants	M	57.50	74.69	29.90%

Private Fire Rates

Description	FRQ.	Current Rates	Proposed Rates	Percentage Change
2 1/2" SERVICE LINES	M	9.67	12.66	30.97%
3" SERVICE LINES	M	14.00	18.34	31.00%
4" SERVICE LINES	M	26.67	34.93	30.99%
6" SERVICE LINES	M	71.67	93.88	31.00%
8" SERVICE LINES	M	149.00	195.19	31.00%
10" SERVICE LINES	M	265.67	348.02	31.00%
12" SERVICE LINES	M	427.00	559.37	31.00%
16" SERVICE LINES	M	906.33	1,187.30	31.00%

**SUEZ WATER RHODE ISLAND
Number of Meters Projection**

Number of Meters per Meter Size

Line No.	Meter Size	Actual Average Meters at					Projected (1)		
		December 2013	December 2014	December 2015	December 2016	December 2017	Growth 2013-2017	Equivalent Meters 2017	Projected 2019
1	5/8"	7,542	7,579	7,618	7,647	7,699	39	7,624	7,702
2	3/4"	2	2	2	1	1	-	1	1
3	1"	287	289	293	299	304	4	299	307
4	1 1/2"	75	74	74	76	79	1	77	79
5	2"	164	166	168	168	168	1	167	169
6	3"	12	12	12	12	12	-	12	12
7	4"	3	3	3	3	3	-	4	4
8	6"	6	6	6	6	6	-	6	6
9	8"	1	1	1	1	1	-	1	1
10	10"	-	-	-	-	-	-	-	-
11	Total	8,092	8,132	8,177	8,213	8,273	45	8,191	8,281
12	Increase in meters	58	40	45	36	60			90
13	% Increase in meters	0.7%	0.5%	0.6%	0.4%	0.7%			

Number of Meters per Revenue Class

Line No.	Meter Size	Actual Average Meters at					Projected (1)		
		December 2013	December 2014	December 2015	December 2016	December 2017	Growth 2013-2017	Equivalent Meters 2017	Projected 2019
1	Residential	7,311	7,353	7,396	7,424	7,480	42	7,399	7,483
2	Commercial	679	677	678	684	686	2	686	690
3	Industrial	9	9	9	9	9	-	9	9
4	Public Authority	91	91	92	94	96	1	95	97
5	Resale	2	2	2	2	2	-	2	2
6	Total	8,092	8,132	8,177	8,213	8,273	45	8,191	8,281

Notes:

[1] Projection based in 5 years trend from years 2013-2017.

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COM 1-5
Updated 7/13/2018
(Gil)

COM 1-5 Referencing Ms. Gil's direct testimony on page 8, please further explain the growth estimate, including the number of meters per class for the last three years.

Response: For the actual number of meters from 2013 to 2017 please refer to MFR 2.8h "Number of Meters Projection, Number of Meters per Meter Size and Number of Meters per Revenue Class"

As mentioned in Ms. Gil's testimony " The customer growth was based on the average growth in the number of meters for the last 5 calendar years (2013-2017) and then extended for 2 years and added to the Equivalent Meters for 2017 to obtain the projected meters per size and customer class for the Rate Year ending September 30, 2019"

The calculation was done based on the average number of meters at December 2017 minus the average number of meters at December 2013, then divided by 4. The result is the growth for one year. Then to the Equivalent Meters at 2017 (also explained in Ms. Gil's testimony page 9 lines 1-9), the growth was added twice to obtain the total meters Projected for 2019.

Updated: Please refer to attached MFR 2.8h page 4.

**SUEZ WATER RHODE ISLAND
Number of Meters Projection**

Number of Meters per Meter Size

Line No.	Meter Size	Actual Average Meters at					Projected (1)		
		December 2013	December 2014	December 2015	December 2016	December 2017	Growth 2013-2017	Equivalent Meters 2017	Projected 2019
1	5/8"	7,542	7,579	7,618	7,647	7,699	39	7,624	7,702
2	3/4"	2	2	2	1	1	-	1	1
3	1"	287	289	293	299	304	4	299	307
4	1 1/2"	75	74	74	76	79	1	77	79
5	2"	164	166	168	168	168	1	167	169
6	3"	12	12	12	12	12	-	12	12
7	4"	3	3	3	3	3	-	4	4
8	6"	6	6	6	6	6	-	6	6
9	8"	1	1	1	1	1	-	1	1
10	10"	-	-	-	-	-	-	-	-
11	Total	8,092	8,132	8,177	8,213	8,273	45	8,191	8,281
12	Increase in meters	58	40	45	36	60			90
13	% Increase in meters	0.7%	0.5%	0.6%	0.4%	0.7%			

Number of Meters per Revenue Class

Line No.	Meter Size	Actual Average Meters at					Projected (1)		
		December 2013	December 2014	December 2015	December 2016	December 2017	Growth 2013-2017	Equivalent Meters 2017	Projected 2019
1	Residential	7,311	7,353	7,396	7,424	7,480	42	7,399	7,483
2	Commercial	679	677	678	684	686	2	686	690
3	Industrial	9	9	9	9	9	-	9	9
4	Public Authority	91	91	92	94	96	1	95	97
5	Resale	2	2	2	2	2	-	2	2
6	Total	8,092	8,132	8,177	8,213	8,273	45	8,191	8,281

Notes:

[1] Projection based in 5 years trend from years 2013-2017.

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COM 1-6
Updated 7/13/2018
(Gil)

COM 1-6 Please provide the excel spreadsheet, with all the formulas in place, for Ms. Gil's consumption calculation.

Response: Please refer to the response to DIV 2-1

Updated: Please refer to COM 1-6 Attachment Original 2-1 Exh 2 SWRI Revenues.

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COM 1-7
Updated 7/13/2018
(Gil)

COM 1-7 Please provide actual consumption for 2015, 2016 and 2017, breakdown each year by residential, commercial and industrial and resale.

Response: Please refer to MFR 2.h "Billed Consumption by Customer Class (in '000 Gallons) and number of Meters in Service"

Updated: Please refer to attached MFR 2.8h page 10-12.

SUEZ Water Rhode Island, Inc.
Billed Consumption by Customer Class (in '000 Gallons) and number of Meters in Service

Consumption	2013												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	28,559	29,763	24,809	23,089	28,808	30,460	32,452	40,684	58,260	42,889	34,735	34,937	409,445
Commercial	7,918	12,448	15,636	6,545	12,834	20,701	10,389	16,564	29,862	14,407	15,879	21,235	184,418
Industrial	89	157	30	101	154	108	313	399	145	175	147	50	1,868
Public Authority	1,267	1,141	2,170	1,438	1,302	2,055	1,847	3,095	3,884	2,741	3,728	2,567	27,235
Resale	23,142	16,007	38,579	28,634	26,154	31,048	31,739		51,677	115,099		20,514	382,593
Total	60,975	59,516	81,224	59,807	69,252	84,372	76,740	60,742	143,828	175,311	54,489	79,303	1,005,559

Meters	2013												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	7,226	7,231	7,241	7,279	7,336	7,352	7,358	7,369	7,372	7,366	7,325	7,291	7,312
Commercial	671	669	670	679	690	689	688	688	688	684	664	662	679
Industrial	9	9	9	9	9	9	9	9	9	9	9	9	9
Public Authority	82	82	82	89	98	98	98	98	98	98	87	83	91
Resale	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	7,990	7,993	8,004	8,058	8,135	8,150	8,155	8,166	8,169	8,159	8,087	8,047	8,093

Average Consumption	2013												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	3.95	4.12	3.43	3.17	3.93	4.14	4.41	5.52	7.90	5.82	4.74	4.79	4.66
Commercial	11.80	18.61	23.34	9.64	18.60	30.04	15.10	24.08	43.40	21.06	23.91	32.08	22.64
Industrial	9.89	17.44	3.33	11.22	17.11	12.00	34.78	44.33	16.11	19.44	16.33	5.56	17.30
Public Authority	15.45	13.91	26.46	16.16	13.29	20.97	18.85	31.58	39.63	27.97	42.85	30.93	24.84
Resale	11,571.00	8,003.50	19,289.50	14,317.00	13,077.00	15,524.00	15,869.50	-	25,838.50	57,549.50	-	10,257.00	15,941.38

Consumption	2014												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	27,476	29,925	26,205	23,024	26,883	30,077	32,453	40,558	60,263	45,789	37,298	40,039	419,990
Commercial	7,582	12,919	17,864	6,938	12,490	20,620	10,226	17,847	31,481	15,613	16,275	19,635	189,490
Industrial	110	208	52	114	160	137	298	381	177	159	221	60	2,077
Public Authority	1,555	1,252	1,925	1,454	1,072	1,737	2,256	3,422	3,911	3,463	4,956	1,975	28,978
Resale	21,549	20,443	19,799	-	38,263	117	-	116,702	48,368	36,161	24,259	17,502	343,163
Total	58,272	64,747	65,645	31,530	78,868	52,688	45,233	178,910	144,200	101,185	83,009	79,211	983,698

Meters	2014												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	7,281	7,279	7,287	7,326	7,378	7,398	7,401	7,412	7,408	7,389	7,357	7,336	7,354
Commercial	662	661	663	679	690	690	689	689	689	681	666	664	677
Industrial	9	9	9	9	9	9	9	9	9	9	9	9	9
Public Authority	83	83	83	90	96	98	98	98	98	96	84	83	91
Resale	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	8,037	8,034	8,044	8,106	8,175	8,197	8,199	8,210	8,206	8,177	8,118	8,094	8,133

Average Consumption	2014												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	3.77	4.11	3.60	3.14	3.64	4.07	4.38	5.47	8.13	6.20	5.07	5.46	4.75
Commercial	11.45	19.54	26.94	10.22	18.10	29.88	14.84	25.90	45.69	22.93	24.44	29.57	23.29
Industrial	12.22	23.11	5.78	12.67	17.78	15.22	33.11	42.33	19.67	17.70	24.56	6.67	19.23
Public Authority	18.73	15.08	23.19	16.16	11.17	17.72	23.02	34.92	39.91	36.08	59.00	23.80	26.56
Resale	10,774.50	10,221.50	9,899.50	-	19,131.50	58.50	-	58,351.00	24,184.00	18,080.36	12,129.50	8,751.00	14,296.45

SUEZ Water Rhode Island, Inc.
Billed Consumption by Customer Class (in '000 Gallons) and number of Meters In Service

Consumption	2015												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	23,688	33,039	22,847	24,273	30,407	30,063	34,145	47,884	60,419	43,899	40,017	37,062	427,743
Commercial	7,630	14,056	15,457	8,408	1,999	18,319	19,156	19,969	28,952	19,699	17,115	17,627	188,387
Industrial	261	166	69	142	174	116	275	376	210	164	221	70	2,244
Public Authority	1,687	1,187	1,962	1,337	1,234	1,925	2,950	3,948	4,766	4,252	3,572	2,415	30,638
Resale	19,236	18,927	19,207	19,889	19,773	32,759	39,065	48,695	48,979	36,683	-	41,937	345,151
Total	52,502	67,375	58,942	54,049	53,587	83,183	95,592	120,872	143,326	104,697	60,925	99,111	994,161

Meters	2015												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	7,308	7,313	7,318	7,367	7,429	7,436	7,448	7,450	7,459	7,454	7,413	7,368	7,397
Commercial	664	662	662	675	688	688	689	689	691	683	677	668	678
Industrial	9	9	9	9	9	9	9	9	9	9	9	9	9
Public Authority	83	83	83	89	99	99	100	100	100	100	84	83	92
Resale	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	8,066	8,069	8,074	8,142	8,227	8,234	8,248	8,250	8,261	8,248	8,165	8,130	8,178

Average Consumption	2015												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	3.24	4.52	3.12	3.29	4.09	4.04	4.58	6.43	8.10	5.89	5.40	5.03	4.81
Commercial	11.49	21.23	23.35	12.46	2.91	26.63	27.80	28.98	41.90	28.84	25.28	26.39	23.10
Industrial	29.00	18.44	7.67	15.78	19.36	12.88	30.56	41.78	23.33	18.22	24.56	7.78	20.78
Public Authority	20.33	14.30	16.41	15.02	12.47	19.45	29.50	39.48	47.66	42.52	42.52	29.10	27.40
Resale	9,618.00	9,463.50	9,603.50	9,944.50	9,886.49	16,379.55	19,533.00	24,347.50	24,489.50	18,341.50	-	20,968.50	14,381.29

Consumption	2016												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	25,644	31,518	21,955	22,650	29,691	27,924	34,683	49,272	66,074	46,136	40,565	38,007	434,119
Commercial	10,557	11,948	14,983	8,856	14,220	18,548	18,591	20,546	26,361	20,155	17,861	20,294	202,920
Industrial	134	182	79	180	184	206	302	331	206	174	170	141	2,289
Public Authority	1,765	1,055	2,267	1,233	1,065	2,110	2,815	3,700	4,261	4,467	3,299	2,192	30,229
Resale	18,332	16,532	20,435	20,186	19,022	-	69,292	53,317	54,963	35,472	25,740	21,301	354,592
Total	56,432	61,235	59,719	53,105	64,182	48,788	125,683	127,166	151,865	106,404	87,635	81,935	1,024,149

Meters	2016												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	7,350	7,351	7,356	7,394	7,439	7,468	7,469	7,474	7,477	7,469	7,443	7,411	7,425
Commercial	667	667	668	683	695	695	697	697	696	687	679	675	684
Industrial	9	9	9	9	9	9	9	9	9	9	9	9	9
Public Authority	82	82	84	96	99	102	102	102	102	102	88	88	94
Resale	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	8,110	8,111	8,119	8,184	8,244	8,276	8,279	8,284	8,286	8,269	8,221	8,185	8,214

Average Consumption	2016												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	3.49	4.29	2.98	3.06	3.99	3.74	4.64	6.59	8.84	6.18	5.45	5.13	4.87
Commercial	15.83	17.91	22.43	12.97	20.46	26.69	26.67	29.48	37.88	29.34	26.30	30.07	24.67
Industrial	14.89	20.22	8.78	20.00	20.44	22.89	33.56	36.78	22.89	19.33	18.89	15.67	21.19
Public Authority	21.52	12.87	26.99	12.84	10.76	20.69	27.60	36.27	41.77	43.79	37.49	24.91	26.46
Resale	9,166.00	8,266.00	10,217.50	10,093.00	9,511.00	-	34,646.00	26,658.50	27,481.50	17,736.00	12,870.00	10,650.50	14,774.67

SUEZ Water Rhode Island, Inc.
Billed Consumption by Customer Class (in '000 Gallons) and number of Meters in Service

Consumption	2017												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	25,309	28,458	19,098	20,821	29,625	22,608	29,184	41,616	57,836	43,599	38,832	36,303	393,290
Commercial	9,988	12,054	13,929	7,371	16,467	15,075	13,860	22,564	24,797	18,206	17,487	17,764	189,562
Industrial	165	260	123	174	362	188	278	562	210	156	669	85	3,232
Public Authority	1,584	1,088	1,545	1,239	1,233	1,879	2,096	2,543	3,590	3,703	2,676	2,216	25,393
Resale	17,856	16,889	15,580	17,102	44,825	44,825	32,219	51,836	45,986	29,748	25,499	19,076	316,616
Total	54,902	58,749	50,275	46,707	47,688	84,576	77,636	119,121	132,419	95,412	85,163	75,445	928,093

Meters	2017												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	7,396	7,399	7,415	7,459	7,497	7,505	7,516	7,525	7,532	7,530	7,499	7,481	7,480
Commercial	675	674	675	690	694	696	697	697	697	688	674	674	686
Industrial	9	9	9	9	9	9	9	9	9	9	9	9	9
Public Authority	88	88	88	101	101	102	102	102	102	100	87	87	96
Resale	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	8,170	8,172	8,189	8,261	8,303	8,314	8,326	8,335	8,342	8,329	8,271	8,253	8,272

Average Consumption	2017												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	3.42	3.85	2.58	2.79	3.95	3.01	3.88	5.53	7.68	5.79	5.18	4.85	4.38
Commercial	14.80	17.88	20.64	10.68	23.73	21.66	19.88	32.37	35.58	26.46	25.95	26.36	23.00
Industrial	18.33	28.89	13.67	19.33	40.23	20.94	30.83	62.42	23.33	17.37	74.30	9.47	29.93
Public Authority	18.00	12.36	17.56	12.27	12.21	18.42	20.55	24.93	35.20	37.03	30.76	25.47	22.06
Resale	8,928.00	8,444.50	7,790.00	8,551.00	-	22,412.65	16,109.55	25,917.82	22,993.00	14,873.90	12,749.56	9,538.04	13,192.33

Consumption	TEST YEAR 12 M 9/30/2017												Total
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-16	Nov-16	Dec-16	
Residential	25,309	28,458	19,098	20,821	29,625	22,608	29,184	41,616	57,836	46,136	40,565	38,007	399,263
Commercial	9,988	12,054	13,929	7,371	16,467	15,075	13,860	22,564	24,797	20,155	17,861	20,294	194,415
Industrial	165	260	123	174	362	188	278	562	210	174	170	141	2,807
Public Authority	1,584	1,088	1,545	1,239	1,233	1,879	2,096	2,543	3,590	4,467	3,299	2,192	26,756
Resale	17,856	16,889	15,580	17,102	44,825	44,825	32,219	51,836	45,986	35,472	25,740	21,301	324,806
Total	54,902	58,749	50,275	46,707	47,688	84,576	77,636	119,121	132,419	106,404	87,635	81,935	948,047

Meters	TEST YEAR 12 M 9/30/2017												Average
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-16	Nov-16	Dec-16	
Residential	7,396	7,399	7,415	7,459	7,497	7,505	7,516	7,525	7,532	7,469	7,443	7,411	7,464
Commercial	675	674	675	690	694	696	697	697	697	687	679	675	686
Industrial	9	9	9	9	9	9	9	9	9	9	9	9	9
Public Authority	88	88	88	101	101	102	102	102	102	102	88	88	96
Resale	2	2	2	2	2	2	2	2	2	2	2	2	2
Total	8,170	8,172	8,189	8,261	8,303	8,314	8,326	8,335	8,342	8,269	8,221	8,185	8,257

Average Consumption	TEST YEAR 12 M 9/30/2017												Average
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-16	Nov-16	Dec-16	
Residential	3.42	3.85	2.58	2.79	3.95	3.01	3.88	5.53	7.68	6.18	5.45	5.13	4.45
Commercial	14.80	17.88	20.64	10.68	23.73	21.66	19.88	32.37	35.58	29.34	26.30	30.07	23.58
Industrial	18.33	28.89	13.67	19.33	40.23	20.94	30.83	62.42	23.33	19.33	18.89	15.67	25.99
Public Authority	18.00	12.36	17.56	12.27	12.21	18.42	20.55	24.93	35.20	43.79	37.49	24.91	23.14
Resale	8,928.00	8,444.50	7,790.00	8,551.00	-	22,412.65	16,109.55	25,917.82	22,993.00	17,736.00	12,870.00	10,650.50	13,533.59

SUEZ WATER RHODE ISLAND, INC.
Docket No. 4800
COMMISSION'S FIRST SET OF DATA REQUESTS DIRECTED TO
SUEZ WATER RHODE ISLAND, INC. (SWRI)
May 7, 2018

COM 1-15
Updated 7/13/2018
(Gil)

COM 1-15 What is the basis for increasing the turn-on fee from \$30 to \$40.

Response: Due to the change in costs it was necessary to update the Turn On Fees. Please refer to MFR 2.8h "Computation of Rates Turn On Fees"

Updated: Please refer to attached MFR 2.8h page 9.

**SUEZ WATER RHODE ISLAND
Computation of Rates
Turn On Fees**

Current Rate

Normal Office Hours	\$	30.00
After Normal Office Hours	\$	37.50

Proposed

Normal Business Hours

Hourly Rate	(1)	\$	24.65	Meter Reader	Effective 4/1/2017
Overhead %	(2)		35.41%		
Transportation - 1 hour	(3)	\$	4.23	Per Transportation Expenses	
Total Hourly Rate		\$	37.61		
Proposed Rate		\$	40.00		

After Normal Business Hours

			Rate		
Rate per hour	(1)	\$	24.65	Meter Reader	Effective 4/1/2017
Hours paid	(1)		6.00	Minimum 4hr. call at overtime 1.5	
Total		\$	147.90		
Transportation - 1 hour		\$	4.23	One hour	
Total		\$	152.13		
Proposed Rate		\$	155.00		

Projected Revenue

Turn On	<u>Occurrences</u>	<u>Proposed Rate</u>	<u>Projected Revenue</u>
Normal Office Hours	347	\$ 40.00	\$ 13,880
After Normal Office Hours	0	\$ 155.00	\$ -
			<u>\$ 13,880</u>

Notes:

- (1) Hourly rate per contract
- (2) % Overhead calculated for the 12m ending 12/31/2017
- (2) Transportation Expense in this filing

SUEZ WATER RHODE ISLAND, INC.
Docket No. 4800
COMMISSION'S FIRST SET OF DATA REQUESTS DIRECTED TO
SUEZ WATER RHODE ISLAND, INC. (SWRI)
May 7, 2018

COM 1-27
Updated 7/13/18
(Prettyman/Jacobs)

- COM 1-27** What is preventing the Company from replacing more mains annually?
- a. How many miles of main does the SWRI need to replace annually to be on a 100-year replacement timetable?
 - b. Can SWRI implement a 100-year replacement timetable under current rates?
 - c. What are the impacts of the current rate of main replacement?
 - d. What would be the benefits of a faster replacement rate?
 - e. Has SWRI quantified the costs and benefits of different replacement rates? If yes, please provide these figures.

Response:

- a. In order to answer the question accurately the Company needs to perform more work to determine the current age of the mains.
- b. It is doubtful that under current conditions that the Company would be able to increase the amount of main replacements needed.
- c. With respect to the relatively slow rate of main replacement: there would be more main breaks, service interruptions and greater cost over the long term, especially in the Ocean Rd area, Pond St area, and many areas with AC and PVC mains.
- d. Better pressures throughout system, more system redundancy, fewer main breaks and better fire flow rates (by removing old, tuberculated CI mains and replacing with cement-lined DI mains). See also Mr. Prettyman's testimony at Page 4, lines 14-20.
- e. The Company has not quantified the information requested.

Updated: d. See also Mr. Prettyman's testimony at Page 4, lines 14-20 attached.

SUEZ WATER RHODE ISLAND INC.
GARY S. PRETTYMAN

1 **Q. When was DSIC first implemented?**

2 A. The first DSIC program was implemented in Pennsylvania in 1997. Since that
3 time, 16 other states have implemented DSICs. Exhibit GSP-1 summarizes the
4 17 states that have implemented a DSIC or some type of mechanism that
5 functions like a DSIC. Please note that different states may call the program
6 something other than DSIC however when you look at the details, the general
7 philosophy and most of the components are the same.

8

9 **Q. Has NARUC formed an opinion on this type of program?**

10 A. Yes. The NARUC Committee on Water has endorsed the use of DSIC as a best
11 practice in its 2005 Resolution Supporting Consideration of Regulatory Policies
12 Deemed as "Best Practices," set forth as Exhibit GSP-2.

13

14 **Q. What are some of the customer benefits of implementing a DSIC program?**

15 A. Implementation of a DSIC benefits customers by: 1) reducing main breaks and
16 associated overtime; 2) improving water quality and fire flows; 3) lengthening
17 time between rate cases which reduces rate case expense; and 4) resulting in
18 smaller rate increases over time which minimizes rate shock. The types of items
19 listed above would all result in reduced operating expenses which benefits
20 customers over time.

21

22 **Q. Are there customer protections?**

SUEZ WATER RHODE ISLAND, INC.
Docket No. 4800
COMMISSION'S FIRST SET OF DATA REQUESTS DIRECTED TO
SUEZ WATER RHODE ISLAND, INC. (SWRI)
May 7, 2018

COM 1-34
Updated 7/13/2018
(Gil)

COM 1-34 Referencing Ms. Gil's testimony on page 6, how is consumption normalized?

Response: As explained in Ms. Gil's testimony at pages 6 through 8, the normalization for Residential consumption was calculated based on the historical usage per meter on a monthly basis for the last 5 calendar years (2013-2017), and then calculated a trend on the average usage of the base load months or winter months (Jan, Feb, Mar and Apr) "Base Usage". Next, this base usage is compared against average usage for the entire period to determine the 5 year "Excess-Over Base" average usage. In summary, the trend in base usage and the excess over base usage is summed to arrive at a normalized residential per capita usage of 4.207 thousand gallons per month. This number is multiplied by the total projected residential customers to arrive at the projected residential consumption for the rate year of 377,800 thousand gallons shown on MFR 2.8 "Residential Water Consumption Trend Baseload"

For all other classes the consumption was normalized using a linear regression of the historical consumption of the most recent five calendar years (2013-2017) shown on MFR 2.8H "Water Consumption Projection Linear Regression".

Updated: Please refer to attached MFR 2.8h page 6-7.

SUEZ WATER RHODE ISLAND
Residential Water Consumption Trend
Baseload

Public Utilities Commission
Schedule 2.8 h, Page 6 of 12
Preparer: E. Gil

YR	Jan.	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Usage	Base Usage (Jan-Apr)	Over Base Col 13- Col 14
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1 2013	3.95	4.12	3.43	3.17	3.93	4.14	4.41	5.52	7.90	5.82	4.74	4.79	4.661	3.667	0.994
2 2014	3.77	4.11	3.60	3.14	3.64	4.07	4.38	5.47	8.13	6.20	5.07	5.46	4.754	3.656	1.098
3 2015	3.24	4.52	3.12	3.29	4.09	4.04	4.58	6.43	8.10	5.89	5.40	5.03	4.812	3.544	1.268
4 2016	3.49	4.29	2.98	3.06	3.99	3.74	4.64	6.59	8.84	6.18	5.45	5.13	4.865	3.456	1.409
5 2017	3.42	3.85	2.58	2.79	3.95	3.01	3.88	5.53	7.68	5.79	5.18	4.85	4.376	3.159	1.217
6 2018															
7 2019														3.010	1.197
														Trend	Average

Residential Class Projection (5 Years History)	
Trend 5 years Base Usage	3.010
Add: Avg. Excess over Base	1.197
Normalized AVG. Usage	<u>4.207</u>
Mtrs	7,483
Consumption Projected MGL	<u>377,800</u>

BLK1	75.40%	284,849
BLK2	24.60%	<u>92,951</u>
		377,800

SUEZ WATER RHODE ISLAND
Water Consumption Projection
Linear Regression

Commercial

Year	No. of Meters	Consumption MGL	Usage Per Meter
2013	679	184,418	271.60
2014	677	189,490	279.90
2015	678	188,387	277.86
2016	684	202,920	296.67
2017	686	189,562	276.33
2018	690	198,964	288.35
2019	690	200,689	290.85

308.05348 1724.8877 -3494416.123
1924.6916 4823.26322 8650433.007
0.2952001 8323.03929 #N/A

Industrial

Year	No. of Meters	Consumption MGL	Usage Per Meter
2013	9	1,868	207.56
2014	9	2,077	230.78
2015	9	2,244	249.33
2016	9	2,289	254.33
2017	9	3,232	359.11
2018	9	3,224	358.22
2019	9	3,518	390.89

0 294 -590068
0 104.1666367 209895.8247
0.80261 329.4038282 #N/A

PA

Year	No. of Meters	Consumption MGL	Usage Per Meter
2013	91	27,325	300.27
2014	91	28,978	318.44
2015	92	30,636	333.00
2016	94	30,229	321.59
2017	96	25,393	264.51
2018	97	26,951	277.85
2019	97	30,059	309.89

-2592.0526 3108.36842 -5994307.684
1188.251 1629.24772 3178578.382
0.7148164 1637.89101 #N/A

Resale

Year	No. of Meters	Consumption MGL	Usage Per Meter
2013	2	382,593	191,296.50
2014	2	343,163	171,581.50
2015	2	345,151	172,575.50
2016	2	354,592	177,296.00
2017	2	316,616	158,308.00
2018	2	312,266	156,133.00
2019	2	300,213	150,106.50

0 -12052.5 24634210.5
0 5933.815421 11956641.02
0.687812 18764.37194 #N/A