Data Responses of Providence Water's to PUC's Settlement Data Request Set 2 (issued on January 22, 2017)

Settlement Data Responses:

Settlement DR to PUC 2-1a Provide a copy of settlement schedules with PILOT (based off of Mr. Harold Smith's direct): HJS-11, HJS-11A, HJS-12, HJS-13, HJS-14, HJS-15, HJS-20, HJS-21, HJS-22 and HJS-23 (attached)

Settlement DR to PUC 2-1b Provide a copy of settlement schedules without PILOT (based off of Mr. Harold Smith's direct): HJS-11, HJS-11A, HJS-12, HJS-13, HJS-14, HJS-15, HJS-20, HJS-21, HJS-22 and HJS-23 (attached)

Settlement DR to PUC 2-2 Provide a schedule showing how close the various settled rates are to the results of the cost of service study, including, at a minimum, the following: retail, wholesale, public fire protection, private fire protection. (attached)

Settlement DR to PUC 2-3 Please provide a document showing the FTE count as of July 1, 2015, June 30, 2015, December 31, 2015, June 30, 2016, December 31, 2016 and January 20, 2017. Please identify new positions added since June 30, 2015, the date added, and the classification and salary. (attached)

Settlement DR to PUC 2-4 Please update Providence Water's response to DPUC-1-24 to add a column for FYE 2017 to date. (attached)

Settlement DR to PUC 2-5 Please provide an updated consumption chart to include the period ending December 31, 2016 (or the most recent month-end available). (attached) w/ PILOT

Schedule HJS-11 Rebuttal
Proposed Rates and Impacts

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service	Proposed Consumption Charge	Consumption Charge Revenues	Current Rates	% Change
Retail Consumption Charges					
Residential (HCF)	8,662,545	$ 3.451	$ 29,894,443	$ 3.044	13.37%
Commercial (HCF)	4,237,383	$ 3.269	$ 13,852,004	$ 2.901	12.69%
Industrial (HCF)	190,818	$ 3.214	$ 613,288	$ 2.848	12.85%
Total	13,090,745		$ 44,359,734	$ 39,204,882	13.15%
Wholesale Charges					
Consumption (HCF)	12,635,911	$ 1.363286	$ 17,226,360	$1.294904	5.28%
	12,635,911		$ 17,226,360	$ 16,362,292	5.28%
Total Consumption Charge Revenue			**61,586,095**	**55,567,174**	**10.83%**

Billing Unit	Pro-Forma Units of Service	Proposed Retail Service Charge	Retail Service Charge Revenues	Current Rates	% Change
Service Charges					
5/8"	55,532	$ 7.77	$ 5,177,804	$ 7.89	-1.52%
3/4"	10,843	$ 8.27	$ 1,076,059	$ 8.32	-0.60%
1"	5,167	$ 9.75	$ 604,539	$ 9.58	1.77%
1.5"	1,511	$ 11.73	$ 212,688	$ 11.27	4.08%
2"	1,428	$ 17.17	$ 294,225	$ 15.91	7.92%
3"	88	$ 57.23	$ 60,435	$ 50.10	14.23%
4"	28	$ 72.07	$ 24,216	$ 62.77	14.82%
6"	89	$ 106.69	$ 113,945	$ 92.31	15.58%
8"	8	$ 146.25	$ 14,040	$ 126.08	16.00%
10"	4	$ 182.11	$ 8,741	$ 156.68	16.23%
12"	-	$ 217.97	$ -	$ 187.28	16.39%
Total Service Charge	74,698		$ 7,586,692	$7,603,522	-0.22%

Schedule HJS-11 Rebuttal
Proposed Rates and Impacts

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service	Proposed Monthly Pvt. Fire Charge	Private Fire Charge Revenues	Current Pvt. Fire Charge	% Change
Private Fire Service Charges					
3/4"	3	$ 8.64	$ 311	$ 7.51	15.05%
1"	9	$ 10.22	$ 1,104	$ 8.88	15.09%
1-1/2"	3	$ 12.57	$ 453	$ 10.93	15.00%
2"	58	$ 18.65	$ 12,980	$ 16.21	15.05%
4"	361	$ 79.68	$ 345,174	$ 69.28	15.01%
6"	1,231	$ 129.90	$ 1,918,883	$ 112.95	15.01%
8"	244	$ 196.74	$ 576,055	$ 171.07	15.01%
10"	4	$ 274.06	$ 13,155	$ 238.31	15.00%
12"	20	$ 367.65	$ 88,236	$ 319.69	15.00%
16"	1	$ 611.44	$ 7,337	$ 531.68	15.00%
Total			$ 2,963,687	$ 2,576,961	15.01%

Billing Unit	Pro-Forma Units of Service	Proposed Annual Hydrant Charge	Hydrant Charge Revenues	Current Pvt. Fire Charge	% Change
Public Fire Service Charges					
Hydrants	2,848	$ 454.02	$1,293,049	$ 394.80	15.00%
			$1,293,049	$ 1,124,390	15.00%
Total Fire Protection Charge Revenue			**$4,256,736.12**	**$3,701,351.40**	**15.00%**
Total Rate Revenues			74,954,990	68,124,439	10.03%
Miscellaneous Revenues			$ (1,433,611)	$ (1,433,611)	
Total Revenues			76,388,601	69,558,050	9.82%

Schedule HJS-12 Rebuttal
Comparison of Revenues by Customer Class

Comparison of Revenues by Customer Class
Rate Year Ending December 31, 2017

	Existing Rates	Revised Rates	% Change	Originally Filed Rates	Delta
Retail					
Monthly Service Charge	$ 7,603,522	$ 7,586,692	-0.2%	$ 7,646,333	$ (59,641)
East Smithfield Debt Surcharge	$ -	$ 85,217		$ 85,217	$ -
Periodic FPSC	$ 1,252,391	$ 1,440,250	15.0%	$ 1,493,976	$ (53,726)
Volume Charge					
Residential	$ 26,368,787	$ 29,894,443	13.4%	$ 30,591,714	$ (697,271)
Commercial	$ 12,292,647	$ 13,852,004	12.7%	$ 14,193,082	$ (341,078)
Industrial	$ 543,449	$ 613,288	12.9%	$ 629,601	$ (16,313)
Total Retail	$ 48,060,796	$ 53,471,893	11.3%	$ 54,639,923	$ (1,168,030)
Wholesale					
East Providence	$ 2,659,088	$ 2,799,511	5.3%	$ 2,858,976	$ (59,465)
East Smithfield	$ -	$ -	N/A	$ -	$ -
Greenville	$ 557,724	$ 587,177	5.3%	$ 599,649	$ (12,472)
Kent County	$ 3,083,655	$ 3,246,498	5.3%	$ 3,465,756	$ (219,258)
Smithfield	$ 609,008	$ 641,169	5.3%	$ 654,788	$ (13,619)
Warwick	$ 5,576,271	$ 5,870,746	5.3%	$ 5,995,449	$ (124,702)
Lincoln	$ 1,360,721	$ 1,432,579	5.3%	$ 1,463,009	$ (30,430)
Johnston	$ 421,183	$ 443,425	5.3%	$ 452,844	$ (9,419)
Bristol County	$ 2,094,641	$ 2,205,255	5.3%	$ 2,252,098	$ (46,843)
Total Wholesale	$ 16,362,292	$ 17,226,360	5.3%	$ 17,742,569	$ (516,209)
Fire Protection					
Private Fire Protection	$ 2,576,961	$ 2,963,687	15.0%	$ 2,963,505	$ 182
Public Fire Protection	$ 1,124,390	$1,293,049	15.0%	$1,292,992	$ 57
Total Fire Protection	$ 3,701,351	$ 4,256,736	15.0%	$ 4,256,497	$ 239
Total Rate Revenues	**$ 68,124,439**	**$ 74,954,990**	**10.0%**	**$ 76,638,990**	$ (1,684,000)
Miscellaneous Revenues	$ (1,433,611)	$ (1,433,611)		$ (1,089,482)	$ (344,129)
Total Revenues	**$ 69,558,050**	**$ 76,388,601**	**9.8%**	**$ 77,728,472**	$ (1,339,871)

Schedule HJS-14 Rebuttal
Revenue Proof

Revenue Proof
Rate Year Ending December 31, 2017

Net Operations & Maintenance Expense	$	36,000,343
Capital Expense	$	30,667,000
City Services Expense	$	957,400
Property Taxes Expense	$	6,957,183
Payment in Lieu of Taxes (PILOT)	$	326,000
Total Expenses Allocated	$	74,907,926
plus: Net Operating Revenue		$1,469,486.30
Net Revenue Requirement	**$**	**76,377,412**
Retail		
Monthly Service Charge	$	7,586,692
East Smithfield Debt Surcharge	$	85,217
Retail FPSC	$	1,440,250
Volume Charge		
Residential	$	29,894,443
Commercial	$	13,852,004
Industrial	$	613,288
Total Retail	$	53,471,893
Wholesale		
East Providence	$	2,799,511
East Smithfield	$	-
Greenville	$	587,177
Kent County	$	3,246,498
Smithfield	$	641,169
Warwick	$	5,870,746
Lincoln	$	1,432,579
Johnston	$	443,425
Bristol County	$	2,205,255
Total Wholesale	$	17,226,360
Fire Protection		
Private Fire Protection	$	2,963,687
Public Fire Protection	$	1,293,049
Total Fire Protection	$	4,256,736
Total Rate Revenues	$	74,954,990
Miscellaneous Revenues	$	1,433,611
Total Revenues	**$**	**76,388,601**
Total Surplus / (Deficit)	**$**	**11,189**

Note: Surplus due to rounding

Schedule HJS-11 Rebuttal
Proposed Rates and Impacts

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service		Proposed Consumption Charge		Consumption Charge Revenues		Current Rates	% Change
Retail Consumption Charges								
Residential (HCF)	8,662,545	$	3.451	$	29,894,443	$	3.044	13.37%
Commercial (HCF)	4,237,383	$	3.269	$	13,852,004	$	2.901	12.69%
Industrial (HCF)	190,818	$	3.214	$	613,288	$	2.848	12.85%
Total	13,090,745			$	44,359,734	$	39,204,882	13.15%
Wholesale Charges								
Consumption (HCF)	12,635,911	$	1.363286	$	17,226,360		$1.294904	5.28%
	12,635,911			$	17,226,360	$	16,362,292	5.28%
Total Consumption Charge Revenue					**61,586,095**		**55,567,174**	**10.83%**

Billing Unit	Pro-Forma Units of Service		Proposed Retail Service Charge		Retail Service Charge Revenues		Current Rates	% Change
Service Charges								
5/8"	55,532	$	7.77	$	5,177,804	$	7.89	-1.52%
3/4"	10,843	$	8.27	$	1,076,059	$	8.32	-0.60%
1"	5,167	$	9.75	$	604,539	$	9.58	1.77%
1.5"	1,511	$	11.73	$	212,688	$	11.27	4.08%
2"	1,428	$	17.17	$	294,225	$	15.91	7.92%
3"	88	$	57.23	$	60,435	$	50.10	14.23%
4"	28	$	72.07	$	24,216	$	62.77	14.82%
6"	89	$	106.69	$	113,945	$	92.31	15.58%
8"	8	$	146.25	$	14,040	$	126.08	16.00%
10"	4	$	182.11	$	8,741	$	156.68	16.23%
12"	-	$	217.97	$	-	$	187.28	16.39%
Total Service Charge	74,698			$	7,586,692		$7,603,522	-0.22%

Schedule HJS-11 Rebuttal
Proposed Rates and Impacts

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service		Proposed Fire Service Charge		Fire Service Charge Revenues		Current Rates	% Change
Retail Fire Protection Service Charges (Providence Only)								
5/8"	25,513	$	1.38	$	422,495	$	1.20	15.00%
3/4"	4,353	$	2.07	$	108,129	$	1.80	15.00%
1"	2,008	$	5.15	$	124,143	$	4.48	15.00%
1.5"	893	$	13.74	$	147,265	$	11.95	15.00%
2"	851	$	32.96	$	336,577	$	28.66	15.00%
3"	62	$	89.26	$	66,412	$	77.62	15.00%
4"	19	$	151.05	$	34,440	$	131.35	15.00%
6"	45	$	308.97	$	166,844	$	268.67	15.00%
8"	3	$	466.89	$	16,808	$	405.99	15.00%
10"	2	$	714.07	$	17,138	$	620.93	15.00%
12"	-	$	1,180.95	$	-	$	1,026.91	15.00%
Total Retail FPSC	33,749			$	1,440,250		$1,252,391	15.00%
Total Service Charge Revenue				**$**	**9,026,942**	**$**	**8,855,913**	**1.93%**

Billing Unit	Pro-Forma Units of Service	Proposed Debt Surcharge		Debt Surcharge Revenues	Current Rates	% Change
East Smithfield Debt Surcharge						
All E. Smithfield Customers (HCF)	236,715	$0.36	$	85,217	N/A	N/A
Total East Smithfield Debt Surcharge	**236,715**		**$**	**85,217**	**$0**	**N/A**

Schedule HJS-11 Rebuttal
Proposed Rates and Impacts

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service	Proposed Monthly Pvt. Fire Charge	Private Fire Charge Revenues	Current Pvt. Fire Charge	% Change
Private Fire Service Charges					
3/4"	3	$ 8.64	$ 311	$ 7.51	15.05%
1"	9	$ 10.22	$ 1,104	$ 8.88	15.09%
1-1/2"	3	$ 12.57	$ 453	$ 10.93	15.00%
2"	58	$ 18.65	$ 12,980	$ 16.21	15.05%
4"	361	$ 79.68	$ 345,174	$ 69.28	15.01%
6"	1,231	$ 129.90	$ 1,918,883	$ 112.95	15.01%
8"	244	$ 196.74	$ 576,055	$ 171.07	15.01%
10"	4	$ 274.06	$ 13,155	$ 238.31	15.00%
12"	20	$ 367.65	$ 88,236	$ 319.69	15.00%
16"	1	$ 611.44	$ 7,337	$ 531.68	15.00%
Total			$ 2,963,687	$ 2,576,961	15.01%

Billing Unit	Pro-Forma Units of Service	Proposed Annual Hydrant Charge	Hydrant Charge Revenues	Current Pvt. Fire Charge	% Change
Public Fire Service Charges					
Hydrants	2,848	$ 454.02	$1,293,049	$ 394.80	15.00%
			$1,293,049	$ 1,124,390	15.00%
Total Fire Protection Charge Revenue			**$4,256,736.12**	**$3,701,351.40**	**15.00%**
Total Rate Revenues			74,954,990	68,124,439	10.03%
Miscellaneous Revenues			$ (1,433,611)	$ (1,433,611)	
Total Revenues			76,388,601	69,558,050	9.82%

Schedule HJS-11A Rebuttal
Summary of Rates
Rate Year Ending December 31, 2017

Consumption Charges

Monthly	Current Consumption Charge	Revised Consumption Charge (1)	$ Increase	Originally Filed Consumption Charge	Delta
Retail Charges					
Residential (HCF)	$ 3.044	$ 3.451	$ 0.41	$ 3.531	$ (0.080)
Commercial (HCF)	$ 2.901	$ 3.269	$ 0.37	$ 3.349	$ (0.080)
Industrial (HCF)	$ 2.848	$ 3.214	$ 0.37	$ 3.299	$ (0.085)
Wholesale Charges					
Consumption (HCF)	$ 1.29490	$ 1.363286	$ 0.07	$ 1.392244	$ (0.029)
Consumption (MG)	$ 1,731.16	$ 1,822.58	$ 91.42	$ 1,861.29	$ (38.714)

Service Charges

Monthly	Current Retail Service Charge	Revised Retail Service Charge (1)	$ Increase	Originally Filed Retail Service Charge	
5/8"	$ 7.89	$ 7.77	$ (0.12)	$ 7.83	$ (0.060)
3/4"	$ 8.32	$ 8.27	$ (0.05)	$ 8.33	$ (0.060)
1"	$ 9.58	$ 9.75	$ 0.17	$ 9.83	$ (0.080)
1.5"	$ 11.27	$ 11.73	$ 0.46	$ 11.83	$ (0.100)
2"	$ 15.91	$ 17.17	$ 1.26	$ 17.33	$ (0.160)
3"	$ 50.10	$ 57.23	$ 7.13	$ 57.83	$ (0.600)
4"	$ 62.77	$ 72.07	$ 9.30	$ 72.82	$ (0.750)
6"	$ 92.31	$ 106.69	$ 14.38	$ 107.82	$ (1.130)
8"	$ 126.08	$ 146.25	$ 20.17	$ 147.81	$ (1.560)
10"	$ 156.68	$ 182.11	$ 25.43	$ 184.06	$ (1.950)
12"	$ 187.28	$ 217.97	$ 30.69	$ 220.31	$ (2.340)

Retail Fire Protection Service Charges (Providence Only)

Monthly	Current Providence Only Fire Protection Charge	Revised Providence Only Fire Protection Charge (1)	$ Increase	Originally Filed Providence Only Fire Protection Charge	
5/8"	$ 1.20	$ 1.38	$ 0.18	$ 1.38	$ -
3/4"	$ 1.80	$ 2.07	$ 0.27	$ 2.07	$ -
1"	$ 4.48	$ 5.15	$ 0.67	$ 5.15	$ -
1.5"	$ 11.95	$ 13.74	$ 1.79	$ 13.74	$ -
2"	$ 28.66	$ 32.96	$ 4.30	$ 32.96	$ -
3"	$ 77.62	$ 89.26	$ 11.64	$ 89.26	$ -
4"	$ 131.35	$ 151.05	$ 19.70	$ 151.05	$ -
6"	$ 268.67	$ 308.97	$ 40.30	$ 308.97	$ -
8"	$ 405.99	$ 466.89	$ 60.90	$ 466.89	$ -
10"	$ 620.93	$ 714.07	$ 93.14	$ 714.07	$ -
12"	$ 1,026.91	$ 1,180.95	$ 154.04	$ 1,180.95	$ -

Private Fire Service Charges

Monthly	Current Private Fire Service Charge	Revised Fire Service Charge (1)	$ Increase	Originally Filed Fire Service Charge	
3/4"	$ 7.51	$ 8.64	$ 1.13	$ 8.64	$ 0.004
1"	$ 8.88	$ 10.22	$ 1.34	$ 10.21	$ 0.008
1-1/2"	$ 10.93	$ 12.57	$ 1.64	$ 12.57	$ 0.001
2"	$ 16.21	$ 18.65	$ 2.44	$ 18.64	$ 0.009
4"	$ 69.28	$ 79.68	$ 10.40	$ 79.67	$ 0.008
6"	$ 112.95	$ 129.90	$ 16.95	$ 129.89	$ 0.007
8"	$ 171.07	$ 196.74	$ 25.67	$ 196.73	$ 0.010
10"	$ 238.31	$ 274.06	$ 35.75	$ 274.06	$ 0.004
12"	$ 319.69	$ 367.65	$ 47.96	$ 367.64	$ 0.007
16"	$ 531.68	$ 611.44	$ 79.76	$ 611.43	$ 0.008
					$ -
					$ -

Public Fire Service Charges

Annual	Current Public Fire Service Charge	Revised Public Fire Service Charge (1)	$ Increase	Originally Filed Fire Service Charge	
Hydrant	$ 394.80	$ 454.02	$ 59.22	$ 454.00	$ 0.020

East Smithfield Debt Surcharge

Monthly	Current Surcharge	Proposed Surcharge (1)	$ Increase	Originally Filed Surcharge	
All E. Smithfield Customers (HCF	$ -	$0.36	$ 0.36	$0.36	$ -

1) Includes:
-Updated revenue requirements per rebuttal testimony of Nancy Parillo
- Corrected ES Units
- Corrected T&D Plant Split Per KCWA 1
- Gross plant values used to allocate capital costs
- Used Allocator TD to allocate gross plant investment in Distribution Reservoirs & Standpipes
- Corrected KCWA water sales projection
- Included additional miscellaneous revenue to reflect use of $175,000 tax refund to offset revenue requirements

Schedule HJS-12 Rebuttal
Comparison of Revenues by Customer Class

Comparison of Revenues by Customer Class
Rate Year Ending December 31, 2017

	Existing Rates	Revised Rates	% Change	Originally Filed Rates	Delta
Retail					
Monthly Service Charge	$ 7,603,522	$ 7,586,692	-0.2%	$ 7,646,333	$ (59,641)
East Smithfield Debt Surcharge	$ -	$ 85,217		$ 85,217	$ -
Periodic FPSC	$ 1,252,391	$ 1,440,250	15.0%	$ 1,493,976	$ (53,726)
Volume Charge					
Residential	$ 26,368,787	$ 29,894,443	13.4%	$ 30,591,714	$ (697,271)
Commercial	$ 12,292,647	$ 13,852,004	12.7%	$ 14,193,082	$ (341,078)
Industrial	$ 543,449	$ 613,288	12.9%	$ 629,601	$ (16,313)
Total Retail	$ 48,060,796	$ 53,471,893	11.3%	$ 54,639,923	$ (1,168,030)
Wholesale					
East Providence	$ 2,659,088	$ 2,799,511	5.3%	$ 2,858,976	$ (59,465)
East Smithfield	$ -	$ -	N/A	$ -	$ -
Greenville	$ 557,724	$ 587,177	5.3%	$ 599,649	$ (12,472)
Kent County	$ 3,083,655	$ 3,246,498	5.3%	$ 3,465,756	$ (219,258)
Smithfield	$ 609,008	$ 641,169	5.3%	$ 654,788	$ (13,619)
Warwick	$ 5,576,271	$ 5,870,746	5.3%	$ 5,995,449	$ (124,702)
Lincoln	$ 1,360,721	$ 1,432,579	5.3%	$ 1,463,009	$ (30,430)
Johnston	$ 421,183	$ 443,425	5.3%	$ 452,844	$ (9,419)
Bristol County	$ 2,094,641	$ 2,205,255	5.3%	$ 2,252,098	$ (46,843)
Total Wholesale	$ 16,362,292	$ 17,226,360	5.3%	$ 17,742,569	$ (516,209)
Fire Protection					
Private Fire Protection	$ 2,576,961	$ 2,963,687	15.0%	$ 2,963,505	$ 182
Public Fire Protection	$ 1,124,390	$1,293,049	15.0%	$1,292,992	$ 57
Total Fire Protection	$ 3,701,351	$ 4,256,736	15.0%	$ 4,256,497	$ 239
Total Rate Revenues	**$ 68,124,439**	**$ 74,954,990**	**10.0%**	**$ 76,638,990**	$ (1,684,000)
Miscellaneous Revenues	$ (1,433,611)	$ (1,433,611)		$ (1,089,482)	$ (344,129)
Total Revenues	**$ 69,558,050**	**$ 76,388,601**	**9.8%**	**$ 77,728,472**	$ (1,339,871)

Schedule HJS-13 Rebuttal
Typical Bill Comparison

Comparison of Typical Annual Charges
Rate Year Ending December 31, 2017

	Proposed Rates	Existing Rates	% Change
Residential - (5/8" Meter, 100 HCF)			
Service Charge	$ 93.24	$ 94.68	-1.5%
Volume Charge	$ 345.10	$ 304.40	13.4%
Total	**$ 438.34**	**$ 399.08**	**9.8%**
Commercial - (2" Meter, 2,000 HCF)			
Service Charge*	$ 206.04	$ 190.92	7.9%
Volume Charge	6,538.00	$ 5,802.00	12.7%
Total	**$ 6,744.04**	**$ 5,992.92**	**12.5%**
Industrial - (6" Meter, 10,000 HCF)			
Service Charge *	$ 1,280.28	$ 1,107.72	15.6%
Volume Charge	$ 32,140.00	$ 28,480.00	12.9%
Total	**$ 33,420.28**	**$ 29,587.72**	**13.0%**

Schedule HJS-14 Rebuttal
Revenue Proof

Revenue Proof
Rate Year Ending December 31, 2017

Net Operations & Maintenance Expense	$	36,000,343
Capital Expense	$	30,667,000
City Services Expense	$	957,400
Property Taxes Expense	$	6,957,183
Payment in Lieu of Taxes (PILOT)	$	326,000
Total Expenses Allocated	$	74,907,926
plus: Net Operating Revenue		$1,469,486.30
Net Revenue Requirement	**$**	**76,377,412**
Retail		
Monthly Service Charge	$	7,586,692
East Smithfield Debt Surcharge	$	85,217
Retail FPSC	$	1,440,250
Volume Charge		
Residential	$	29,894,443
Commercial	$	13,852,004
Industrial	$	613,288
Total Retail	$	53,471,893
Wholesale		
East Providence	$	2,799,511
East Smithfield	$	-
Greenville	$	587,177
Kent County	$	3,246,498
Smithfield	$	641,169
Warwick	$	5,870,746
Lincoln	$	1,432,579
Johnston	$	443,425
Bristol County	$	2,205,255
Total Wholesale	$	17,226,360
Fire Protection		
Private Fire Protection	$	2,963,687
Public Fire Protection	$	1,293,049
Total Fire Protection	$	4,256,736
Total Rate Revenues	$	74,954,990
Miscellaneous Revenues	$	1,433,611
Total Revenues	**$**	**76,388,601**
Total Surplus / (Deficit)	**$**	**11,189**

Note: Surplus due to rounding

Schedule HJS-15 Rebuttal
Projected Volumes

Calculation of Rate Year Sales Volumes
Rate Year Ending December 31, 2017
(Volumes in HCF)

Customer Class	FY 2012	FY 2013	FY 2014	FY 2015	Three Year Average	Adjustments (1)	Pro Forma Rate Year
Retail							
Residential	8,487,320	8,345,520	8,627,628	8,347,957	8,440,369	222,176	8,662,545
Commercial	4,392,712	4,565,034	3,903,139	4,230,647	4,232,940	4,443	4,237,383
Industrial	201,227	184,632	185,888	171,644	180,721	10,096	190,818
Sub-total Retail	13,081,259	13,095,186	12,716,655	12,750,248	12,854,030	236,715	13,090,745
	49.75%	51.48%	49.17%	48.22%			
Wholesale							
East Providence	2,015,566	1,947,969	2,201,598	2,010,940	2,053,502		2,053,502
East Smithfield	279,817	272,257	278,534	318,959	289,917	(289,917)	-
Greenville	442,414	416,633	431,647	443,841	430,707		430,707
Kent County	2,800,752	2,424,743	2,561,361	2,561,821	2,515,975	(134,598)	2,381,377
Smithfield	438,706	436,247	497,433	477,254	470,311		470,311
Warwick	4,272,694	4,050,757	4,202,875	4,665,329	4,306,320		4,306,320
Lincoln	1,017,940	1,007,955	1,025,337	1,119,193	1,050,828		1,050,828
Johnston	262,814	204,366	337,577	433,844	325,262		325,262
Bristol County	1,682,988	1,580,779	1,608,984	1,663,045	1,617,603		1,617,603
Sub-total Wholesale	13,213,689	12,341,706	13,145,345	13,694,224	13,060,425	(424,514)	12,635,911
	50.25%	48.52%	50.83%	51.78%			
Grand Total	**26,294,948**	**25,436,892**	**25,862,000**	**26,444,473**	**25,914,455**	**(187,799)**	**25,726,656**
Unaccounted for Water	3,691,429	4,017,104	3,046,994	3,119,179	3,468,677	-	3,468,677
(1) East Smithfield Retail							
Residential		218,471	228,489	219,570	222,176		
Commercial		4,155	3,409	5,763	4,443		
Industrial		9,770	8,049	12,469	10,096		
Total East Smithfield Retail		232,396	239,948	237,802	236,715		

1 Adjustments relate to the pending acquisition of the East Smithfield water utility and known decreases in projected demand by Kent County as discussed in the testimony of Harold Smith

Schedule HJS-20 Rebuttal
Retail Service Charge Calculation

Meter Size	Meter Equivalency	M&S Cost Per Month	Billing Cost Per Bill	Total Cost Per Month	Existing Charge	Proposed Charge	Accounts	Revenues
5/8"	1	$ 4.95	$ 2.82	$ 7.77	$ 7.89	$ 7.77	55,532	$ 5,177,804
3/4"	1.1	$ 5.44	$ 2.82	$ 8.26	$ 8.32	$ 8.27	10,843	$ 1,076,059
1"	1.4	$ 6.92	$ 2.82	$ 9.75	$ 9.58	$ 9.75	5,167	$ 604,539
1.5"	1.8	$ 8.90	$ 2.82	$ 11.72	$ 11.27	$ 11.73	1,511	$ 212,688
2"	2.9	$ 14.34	$ 2.82	$ 17.16	$ 15.91	$ 17.17	1,428	$ 294,225
3"	11	$ 54.40	$ 2.82	$ 57.23	$ 50.10	$ 57.23	88	$ 60,435
4"	14	$ 69.24	$ 2.82	$ 72.06	$ 62.77	$ 72.07	28	$ 24,216
6"	21	$ 103.86	$ 2.82	$ 106.68	$ 92.31	$ 106.69	89	$ 113,945
8"	29	$ 143.43	$ 2.82	$ 146.25	$ 126.08	$ 146.25	8	$ 14,040
10"	36.25	$ 179.28	$ 2.82	$ 182.11	$ 156.68	$ 182.11	4	$ 8,741
12"	43.5	$ 215.14	$ 2.82	$ 217.96	$ 187.28	$ 217.97	0	$ -
Total Revenue Generated								$ 7,586,692

Costs Allocated to Customer Service

Meters & Services	$ 5,054,206
Billing & Collection	$ 2,529,402
Total Customer Service Costs	$ 7,583,608

Schedule HJS-21 Rebuttal
Providence Only Fire Protection Charge Calculation

Meter Size	Meter Equivalency	Accounts	5/8" Equivalents	Fire Cost Per Month	Existing Charge	Proposed Charge	Revenues
5/8"	1	25,513	25,513	$ 2.29	$ 1.20	$ 1.38	$ 422,495
3/4"	1.5	4,353	6,530	$ 3.44	$ 1.80	$ 2.07	$ 108,129
1"	3.75	2,008	7,530	$ 8.59	$ 4.48	$ 5.15	$ 124,143
1.5"	10	893	8,930	$ 22.90	$ 11.95	$ 13.74	$ 147,265
2"	24	851	20,424	$ 54.96	$ 28.66	$ 32.96	$ 336,577
3"	65	62	4,030	$ 148.85	$ 77.62	$ 89.26	$ 66,412
4"	110	19	2,090	$ 251.90	$ 131.35	$ 151.05	$ 34,440
6"	225	45	10,125	$ 515.25	$ 268.67	$ 308.97	$ 166,844
8"	340	3	1,020	$ 778.60	$ 405.99	$ 466.89	$ 16,808
10"	520	2	1,040	$ 1,190.80	$ 620.93	$ 714.07	$ 17,138
12"	860	-	-	$ 1,969.40	$ 1,026.91	$ 1,180.95	$ -

Total Revenue Generated	$1,440,250
Total FPSC Costs	$ 2,396,508
Less Costs Recovered from Retail Volume Charge	$ 957,193
Adjusted FPSC Costs	$ 1,439,314

Schedule HJS-22 Rebuttal
Private Fire Service Charge Calculation

Fire Connection Size	Accounts	Demand Factor	6" Equivalency Factor	6" Equivalent Connections	5/8" Equivalency	M&S Cost Per Month	Billing Cost Per Bill	Demand Cost Per Month	Total Cost Per Month	Existing Charge	Proposed Charge	Revenues
3/4"	3	0.5	0.004	0.01	1.10	$5.44	$ 2.82	$ 0.14	$ 8.41	$ 7.51	$ 8.64	$ 311
1"	9	1.0	0.009	0.08	1.40	$6.92	$ 2.82	$ 0.30	$ 10.05	$ 8.88	$ 10.22	$ 1,104
1-1/2"	3	2.9	0.026	0.08	1.80	$8.90	$ 2.82	$ 0.86	$ 12.59	$ 10.93	$ 12.57	$ 453
2"	58	6.2	0.056	3.23	2.90	$14.34	$ 2.82	$ 1.83	$ 19.00	$ 16.21	$ 18.65	$ 12,980
4"	361	38.3	0.344	124.28	14.00	$69.24	$ 2.82	$ 11.31	$ 83.37	$ 69.28	$ 79.68	$ 345,174
6"	1,231	111.3	1.000	1,231.00	21.00	$103.86	$ 2.82	$ 32.85	$ 139.53	$112.95	$ 129.90	$ 1,918,883
8"	244	237.2	2.131	519.97	29.00	$143.43	$ 2.82	$ 69.99	$ 216.25	$171.07	$ 196.74	$ 576,055
10"	4	426.6	3.832	15.33	36.25	$179.28	$ 2.82	$ 125.87	$ 307.98	$238.31	$ 274.06	$ 13,155
12"	20	689.0	6.190	123.81	43.50	$215.14	$ 2.82	$ 203.32	$ 421.29	$319.69	$ 367.65	$ 88,236
16"	1	1,468.4	13.192	13.19	58.00	$286.86	$ 2.82	$ 433.28	$ 722.96	$531.68	$ 611.44	$ 7,337
Public Fire Hydrants				6,216.00								
	1,934			8,246.97								$ 2,963,687

Costs Allocated to Private Fire Service

Meters & Services	$ 2,329,081
Billing & Collection	$ 65,489
Demand Costs	$ 800,487
Less Costs Recovered from Retail Volume Charge	$ 231,422
Total Private Fire Protection Costs	$ 2,963,634

Schedule HJS-23 Rebuttal
Public Fire Protection Charge Calculation

Direct Fire Costs (Per Hydrant)		
Direct Fire Protection Costs	$	1,973,033
Hydrants		6,216
Cost Per Hydrant	$	317.41
Demand Costs		
Max Day	$	1,250,272
Max Hour	$	2,000,191
Total Demand Costs	$	3,250,462
Total 6" Equivalents		8,247
Cost Per 6" Equivalent	$	394.14
Calculated Annual Hydrant Charge (Before Adjustment)	$	711.55
Less Adjustment (per 6" Eq.)	$	(257.53)
Proposed Annual Hydrant Charge (Adjusted)	$	454.02
Non-Providence Hydrants		2,848.00
Full Hydrant Charge COS	$	4,423,008
Hydrant Charge Revenues		1,293,049
Remaining to be Recovered	$	3,129,959
Providence Retail FPSC	$	2,396,508
FP Costs Recovered on Retail Volume Charge	$	733,451

NO PILOT

Schedule HJS-11 Rebuttal
Proposed Rates and Impacts

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service	Proposed Consumption Charge	Consumption Charge Revenues	Current Rates	% Change
Retail Consumption Charges					
Residential (HCF)	8,662,545	$ 3.432	$ 29,729,854	$ 3.044	12.75%
Commercial (HCF)	4,237,383	$ 3.252	$ 13,779,968	$ 2.901	12.10%
Industrial (HCF)	190,818	$ 3.197	$ 610,044	$ 2.848	12.25%
Total	13,090,745		$ 44,119,866	$ 39,204,882	12.54%
Wholesale Charges					
Consumption (HCF)	12,635,911	$ 1.357270	$ 17,150,343	$1.294904	4.82%
	12,635,911		$ 17,150,343	$ 16,362,292	4.82%
Total Consumption Charge Revenue			**61,270,209**	**55,567,174**	**10.26%**

Billing Unit	Pro-Forma Units of Service	Proposed Retail Service Charge	Retail Service Charge Revenues	Current Rates	% Change
Service Charges					
5/8"	55,532	$ 7.76	$ 5,171,140	$ 7.89	-1.65%
3/4"	10,843	$ 8.25	$ 1,073,457	$ 8.32	-0.84%
1"	5,167	$ 9.73	$ 603,299	$ 9.58	1.57%
1.5"	1,511	$ 11.70	$ 212,144	$ 11.27	3.82%
2"	1,428	$ 17.13	$ 293,540	$ 15.91	7.67%
3"	88	$ 57.07	$ 60,266	$ 50.10	13.91%
4"	28	$ 71.86	$ 24,145	$ 62.77	14.48%
6"	89	$ 106.38	$ 113,614	$ 92.31	15.24%
8"	8	$ 145.83	$ 14,000	$ 126.08	15.66%
10"	4	$ 181.58	$ 8,716	$ 156.68	15.89%
12"	-	$ 217.33	$ -	$ 187.28	16.05%
Total Service Charge	74,698		$ 7,574,320	$7,603,522	-0.38%

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service		Proposed Fire Service Charge		Fire Service Charge Revenues		Current Rates	% Change
Retail Fire Protection Service Charges (Providence Only)								
5/8"	25,513	$	1.38	$	422,495	$	1.20	15.00%
3/4"	4,353	$	2.07	$	108,129	$	1.80	15.00%
1"	2,008	$	5.15	$	124,143	$	4.48	15.00%
1.5"	893	$	13.74	$	147,265	$	11.95	15.00%
2"	851	$	32.96	$	336,577	$	28.66	15.00%
3"	62	$	89.26	$	66,412	$	77.62	15.00%
4"	19	$	151.05	$	34,440	$	131.35	15.00%
6"	45	$	308.97	$	166,844	$	268.67	15.00%
8"	3	$	466.89	$	16,808	$	405.99	15.00%
10"	2	$	714.07	$	17,138	$	620.93	15.00%
12"	-	$	1,180.95	$	-	$	1,026.91	15.00%
Total Retail FPSC	33,749			$	1,440,250		$1,252,391	15.00%
Total Service Charge Revenue				**$**	**9,014,570**	**$**	**8,855,913**	**1.79%**

Billing Unit	Pro-Forma Units of Service	Proposed Debt Surcharge		Debt Surcharge Revenues		Current Rates	% Change
East Smithfield Debt Surcharge							
All E. Smithfield Customers (HCF)	236,715	$0.36	$	85,217	N/A		N/A
Total East Smithfield Debt Surcharge	**236,715**		**$**	**85,217**		**$0**	**N/A**

Schedule HJS-11 Rebuttal
Proposed Rates and Impacts

Proposed Rates and Impacts
Rate Year Ending December 31, 2017

Billing Unit	Pro-Forma Units of Service		Proposed Monthly Pvt. Fire Charge		Private Fire Charge Revenues		Current Pvt. Fire Charge	% Change
Private Fire Service Charges								
3/4"	3	$	8.64	$	311	$	7.51	15.05%
1"	9	$	10.22	$	1,104	$	8.88	15.09%
1-1/2"	3	$	12.57	$	453	$	10.93	15.00%
2"	58	$	18.65	$	12,980	$	16.21	15.05%
4"	361	$	79.68	$	345,174	$	69.28	15.01%
6"	1,231	$	129.90	$	1,918,883	$	112.95	15.01%
8"	244	$	196.74	$	576,055	$	171.07	15.01%
10"	4	$	274.06	$	13,155	$	238.31	15.00%
12"	20	$	367.65	$	88,236	$	319.69	15.00%
16"	1	$	611.44	$	7,337	$	531.68	15.00%
Total				$	2,963,687	$	2,576,961	15.01%

Billing Unit	Pro-Forma Units of Service		Proposed Annual Hydrant Charge		Hydrant Charge Revenues		Current Pvt. Fire Charge	% Change
Public Fire Service Charges								
Hydrants	2,848	$	454.02		$1,293,049	$	394.80	15.00%
					$1,293,049	$	1,124,390	15.00%
Total Fire Protection Charge Revenue					**$4,256,736.12**		**$3,701,351.40**	**15.00%**
Total Rate Revenues					74,626,733		68,124,439	9.54%
Miscellaneous Revenues				$	(1,433,611)	$	(1,433,611)	
Total Revenues					76,060,343		69,558,050	9.35%

Schedule HJS-11A Rebuttal
Summary of Rates
Rate Year Ending December 31, 2017

Consumption Charges

Monthly	Current Consumption Charge	Revised Consumption Charge (1)	$ Increase	Originally Filed Consumption Charge	Delta
Retail Charges					
Residential (HCF)	$ 3.044	$ 3.432	$ 0.39	$ 3.531	$ (0.099)
Commercial (HCF)	$ 2.901	$ 3.252	$ 0.35	$ 3.349	$ (0.097)
Industrial (HCF)	$ 2.848	$ 3.197	$ 0.35	$ 3.299	$ (0.102)
Wholesale Charges					
Consumption (HCF)	$ 1.29490	$ 1.357270	$ 0.06	$ 1.392244	$ (0.035)
Consumption (MG)	$ 1,731.16	$ 1,814.54	$ 83.38	$ 1,861.29	$ (46.757)

Service Charges

Monthly	Current Retail Service Charge	Revised Retail Service Charge (1)	$ Increase	Originally Filed Retail Service Charge	
5/8"	$ 7.89	$ 7.76	$ (0.13)	$ 7.83	$ (0.070)
3/4"	$ 8.32	$ 8.25	$ (0.07)	$ 8.33	$ (0.080)
1"	$ 9.58	$ 9.73	$ 0.15	$ 9.83	$ (0.100)
1.5"	$ 11.27	$ 11.70	$ 0.43	$ 11.83	$ (0.130)
2"	$ 15.91	$ 17.13	$ 1.22	$ 17.33	$ (0.200)
3"	$ 50.10	$ 57.07	$ 6.97	$ 57.83	$ (0.760)
4"	$ 62.77	$ 71.86	$ 9.09	$ 72.82	$ (0.960)
6"	$ 92.31	$ 106.38	$ 14.07	$ 107.82	$ (1.440)
8"	$ 126.08	$ 145.83	$ 19.75	$ 147.81	$ (1.980)
10"	$ 156.68	$ 181.58	$ 24.90	$ 184.06	$ (2.480)
12"	$ 187.28	$ 217.33	$ 30.05	$ 220.31	$ (2.980)

Retail Fire Protection Service Charges (Providence Only)

Monthly	Current Providence Only Fire Protection Charge	Revised Providence Only Fire Protection Charge (1)	$ Increase	Originally Filed Providence Only Fire Protection Charge	
5/8"	$ 1.20	$ 1.38	$ 0.18	$ 1.38	$ -
3/4"	$ 1.80	$ 2.07	$ 0.27	$ 2.07	$ -
1"	$ 4.48	$ 5.15	$ 0.67	$ 5.15	$ -
1.5"	$ 11.95	$ 13.74	$ 1.79	$ 13.74	$ -
2"	$ 28.66	$ 32.96	$ 4.30	$ 32.96	$ -
3"	$ 77.62	$ 89.26	$ 11.64	$ 89.26	$ -
4"	$ 131.35	$ 151.05	$ 19.70	$ 151.05	$ -
6"	$ 268.67	$ 308.97	$ 40.30	$ 308.97	$ -
8"	$ 405.99	$ 466.89	$ 60.90	$ 466.89	$ -
10"	$ 620.93	$ 714.07	$ 93.14	$ 714.07	$ -
12"	$ 1,026.91	$ 1,180.95	$ 154.04	$ 1,180.95	$ -

Private Fire Service Charges

Monthly	Current Private Fire Service Charge	Revised Fire Service Charge (1)	$ Increase	Originally Filed Fire Service Charge	
3/4"	$ 7.51	$ 8.64	$ 1.13	$ 8.64	$ 0.004
1"	$ 8.88	$ 10.22	$ 1.34	$ 10.21	$ 0.008
1-1/2"	$ 10.93	$ 12.57	$ 1.64	$ 12.57	$ 0.001
2"	$ 16.21	$ 18.65	$ 2.44	$ 18.64	$ 0.009
4"	$ 69.28	$ 79.68	$ 10.40	$ 79.67	$ 0.008
6"	$ 112.95	$ 129.90	$ 16.95	$ 129.89	$ 0.007
8"	$ 171.07	$ 196.74	$ 25.67	$ 196.73	$ 0.010
10"	$ 238.31	$ 274.06	$ 35.75	$ 274.06	$ 0.004
12"	$ 319.69	$ 367.65	$ 47.96	$ 367.64	$ 0.007
16"	$ 531.68	$ 611.44	$ 79.76	$ 611.43	$ 0.008
					$ -
					$ -

Public Fire Service Charges

Annual	Current Public Fire Service Charge	Revised Public Fire Service Charge (1)	$ Increase	Originally Filed Fire Service Charge	
Hydrant	$ 394.80	$ 454.02	$ 59.22	$ 454.00	$ 0.020

East Smithfield Debt Surcharge

Monthly	Current Surcharge	Proposed Surcharge (1)	$ Increase	Originally Filed Surcharge	
All E. Smithfield Customers (HCF	$ -	$0.36	$ 0.36	$0.36	$ -

1) Includes:
- Updated revenue requirements per rebuttal testimony of Nancy Parillo
- Corrected ES Units
- Corrected T&D Plant Split Per KCWA 1
- Gross plant values used to allocate capital costs
- Used Allocator TD to allocate gross plant investment in Distribution Reservoirs & Standpipes
- Corrected KCWA water sales projection
- Included additional miscellaneous revenue to reflect use of $175,000 tax refund to offset revenue requirements

Schedule HJS-12 Rebuttal
Comparison of Revenues by Customer Class

Comparison of Revenues by Customer Class
Rate Year Ending December 31, 2017

	Existing Rates	Revised Rates	% Change	Originally Filed Rates	Delta
Retail					
Monthly Service Charge	$ 7,603,522	$ 7,574,320	-0.4%	$ 7,646,333	$ (72,013)
East Smithfield Debt Surcharge	$ -	$ 85,217		$ 85,217	$ -
Periodic FPSC	$ 1,252,391	$ 1,440,250	15.0%	$ 1,493,976	$ (53,726)
Volume Charge					
Residential	$ 26,368,787	$ 29,729,854	12.7%	$ 30,591,714	$ (861,859)
Commercial	$ 12,292,647	$ 13,779,968	12.1%	$ 14,193,082	$ (413,113)
Industrial	$ 543,449	$ 610,044	12.3%	$ 629,601	$ (19,557)
Total Retail	$ 48,060,796	$ 53,219,654	10.7%	$ 54,639,923	$ (1,420,270)
Wholesale					
East Providence	$ 2,659,088	$ 2,787,157	4.8%	$ 2,858,976	$ (71,819)
East Smithfield	$ -	$ -	N/A	$ -	$ -
Greenville	$ 557,724	$ 584,586	4.8%	$ 599,649	$ (15,064)
Kent County	$ 3,083,655	$ 3,232,172	4.8%	$ 3,465,756	$ (233,585)
Smithfield	$ 609,008	$ 638,340	4.8%	$ 654,788	$ (16,449)
Warwick	$ 5,576,271	$ 5,844,839	4.8%	$ 5,995,449	$ (150,609)
Lincoln	$ 1,360,721	$ 1,426,257	4.8%	$ 1,463,009	$ (36,752)
Johnston	$ 421,183	$ 441,469	4.8%	$ 452,844	$ (11,376)
Bristol County	$ 2,094,641	$ 2,195,524	4.8%	$ 2,252,098	$ (56,574)
Total Wholesale	$ 16,362,292	$ 17,150,343	4.8%	$ 17,742,569	$ (592,227)
Fire Protection					
Private Fire Protection	$ 2,576,961	$ 2,963,687	15.0%	$ 2,963,505	$ 182
Public Fire Protection	$ 1,124,390	$1,293,049	15.0%	$1,292,992	$ 57
Total Fire Protection	$ 3,701,351	$ 4,256,736	15.0%	$ 4,256,497	$ 239
Total Rate Revenues	**$ 68,124,439**	**$ 74,626,733**	**9.5%**	**$ 76,638,990**	$ (2,012,257)
Miscellaneous Revenues	$ (1,433,611)	$ (1,433,611)		$ (1,089,482)	$ (344,129)
Total Revenues	**$ 69,558,050**	**$ 76,060,343**	**9.3%**	**$ 77,728,472**	$ (1,668,128)

Schedule HJS-13 Rebuttal
Typical Bill Comparison

Comparison of Typical Annual Charges
Rate Year Ending December 31, 2017

	Proposed Rates	Existing Rates	% Change
Residential - (5/8" Meter, 100 HCF)			
Service Charge	$ 93.12	$ 94.68	-1.6%
Volume Charge	$ 343.20	$ 304.40	12.7%
Total	**$ 436.32**	**$ 399.08**	**9.3%**
Commercial - (2" Meter, 2,000 HCF)			
Service Charge*	$ 205.56	$ 190.92	7.7%
Volume Charge	6,504.00	$ 5,802.00	12.1%
Total	**$ 6,709.56**	**$ 5,992.92**	**12.0%**
Industrial - (6" Meter, 10,000 HCF)			
Service Charge *	$ 1,276.56	$ 1,107.72	15.2%
Volume Charge	$ 31,970.00	$ 28,480.00	12.3%
Total	**$ 33,246.56**	**$ 29,587.72**	**12.4%**

Schedule HJS-14 Rebuttal
Revenue Proof

Revenue Proof
Rate Year Ending December 31, 2017

Net Operations & Maintenance Expense	$	36,000,343
Capital Expense	$	30,667,000
City Services Expense	$	957,400
Property Taxes Expense	$	6,957,183
Payment in Lieu of Taxes (PILOT)	$	-
Total Expenses Allocated	$	74,581,926
plus: Net Operating Revenue		$1,462,966.30
Net Revenue Requirement	**$**	**76,044,892**
Retail		
Monthly Service Charge	$	7,574,320
East Smithfield Debt Surcharge	$	85,217
Retail FPSC	$	1,440,250
Volume Charge		
Residential	$	29,729,854
Commercial	$	13,779,968
Industrial	$	610,044
Total Retail	$	53,219,654
Wholesale		
East Providence	$	2,787,157
East Smithfield	$	-
Greenville	$	584,586
Kent County	$	3,232,172
Smithfield	$	638,340
Warwick	$	5,844,839
Lincoln	$	1,426,257
Johnston	$	441,469
Bristol County	$	2,195,524
Total Wholesale	$	17,150,343
Fire Protection		
Private Fire Protection	$	2,963,687
Public Fire Protection	$	1,293,049
Total Fire Protection	$	4,256,736
Total Rate Revenues	$	74,626,733
Miscellaneous Revenues	$	1,433,611
Total Revenues	**$**	**76,060,343**
Total Surplus / (Deficit)	**$**	**15,451**

Note: Surplus due to rounding

Schedule HJS-15 Rebuttal
Projected Volumes

Calculation of Rate Year Sales Volumes
Rate Year Ending December 31, 2017
(Volumes in HCF)

Customer Class	FY 2012	FY 2013	FY 2014	FY 2015	Three Year Average	Adjustments (1)	Pro Forma Rate Year
Retail							
Residential	8,487,320	8,345,520	8,627,628	8,347,957	8,440,369	222,176	8,662,545
Commercial	4,392,712	4,565,034	3,903,139	4,230,647	4,232,940	4,443	4,237,383
Industrial	201,227	184,632	185,888	171,644	180,721	10,096	190,818
Sub-total Retail	13,081,259	13,095,186	12,716,655	12,750,248	12,854,030	236,715	13,090,745
	49.75%	51.48%	49.17%	48.22%			
Wholesale							
East Providence	2,015,566	1,947,969	2,201,598	2,010,940	2,053,502		2,053,502
East Smithfield	279,817	272,257	278,534	318,959	289,917	(289,917)	-
Greenville	442,414	416,633	431,647	443,841	430,707		430,707
Kent County	2,800,752	2,424,743	2,561,361	2,561,821	2,515,975	(134,598)	2,381,377
Smithfield	438,706	436,247	497,433	477,254	470,311		470,311
Warwick	4,272,694	4,050,757	4,202,875	4,665,329	4,306,320		4,306,320
Lincoln	1,017,940	1,007,955	1,025,337	1,119,193	1,050,828		1,050,828
Johnston	262,814	204,366	337,577	433,844	325,262		325,262
Bristol County	1,682,988	1,580,779	1,608,984	1,663,045	1,617,603		1,617,603
Sub-total Wholesale	13,213,689	12,341,706	13,145,345	13,694,224	13,060,425	(424,514)	12,635,911
	50.25%	48.52%	50.83%	51.78%			
Grand Total	**26,294,948**	**25,436,892**	**25,862,000**	**26,444,473**	**25,914,455**	**(187,799)**	**25,726,656**
Unaccounted for Water	3,691,429	4,017,104	3,046,994	3,119,179	3,468,677	-	3,468,677
(1) East Smithfield Retail							
Residential		218,471	228,489	219,570	222,176		
Commercial		4,155	3,409	5,763	4,443		
Industrial		9,770	8,049	12,469	10,096		
Total East Smithfield Retail		232,396	239,948	237,802	236,715		

1 Adjustments relate to the pending acquisition of the East Smithfield water utility and known decreases in projected demand by Kent County as discussed in the testimony of Harold Smith

Schedule HJS-20 Rebuttal
Retail Service Charge Calculation

Meter Size	Meter Equivalency	M&S Cost Per Month	Billing Cost Per Bill	Total Cost Per Month	Existing Charge	Proposed Charge	Accounts	Revenues
5/8"	1	$ 4.93	$ 2.82	$ 7.75	$ 7.89	$ 7.76	55,532	$ 5,171,140
3/4"	1.1	$ 5.42	$ 2.82	$ 8.25	$ 8.32	$ 8.25	10,843	$ 1,073,457
1"	1.4	$ 6.90	$ 2.82	$ 9.73	$ 9.58	$ 9.73	5,167	$ 603,299
1.5"	1.8	$ 8.88	$ 2.82	$ 11.70	$ 11.27	$ 11.70	1,511	$ 212,144
2"	2.9	$ 14.30	$ 2.82	$ 17.12	$ 15.91	$ 17.13	1,428	$ 293,540
3"	11	$ 54.24	$ 2.82	$ 57.06	$ 50.10	$ 57.07	88	$ 60,266
4"	14	$ 69.04	$ 2.82	$ 71.86	$ 62.77	$ 71.86	28	$ 24,145
6"	21	$ 103.55	$ 2.82	$ 106.38	$ 92.31	$ 106.38	89	$ 113,614
8"	29	$ 143.00	$ 2.82	$ 145.83	$ 126.08	$ 145.83	8	$ 14,000
10"	36.25	$ 178.75	$ 2.82	$ 181.58	$ 156.68	$ 181.58	4	$ 8,716
12"	43.5	$ 214.50	$ 2.82	$ 217.33	$ 187.28	$ 217.33	0	$ -
Total Revenue Generated								$ 7,574,320

Costs Allocated to Customer Service

Meters & Services	$ 5,039,245
Billing & Collection	$ 2,529,402
Total Customer Service Costs	$ 7,568,647

Schedule HJS-21 Rebuttal
Providence Only Fire Protection Charge Calculation

Meter Size	Meter Equivalency	Accounts	5/8" Equivalents	Fire Cost Per Month	Existing Charge	Proposed Charge	Revenues
5/8"	1	25,513	25,513	$ 2.28	$ 1.20	$ 1.38	$ 422,495
3/4"	1.5	4,353	6,530	$ 3.42	$ 1.80	$ 2.07	$ 108,129
1"	3.75	2,008	7,530	$ 8.55	$ 4.48	$ 5.15	$ 124,143
1.5"	10	893	8,930	$ 22.80	$ 11.95	$ 13.74	$ 147,265
2"	24	851	20,424	$ 54.72	$ 28.66	$ 32.96	$ 336,577
3"	65	62	4,030	$ 148.20	$ 77.62	$ 89.26	$ 66,412
4"	110	19	2,090	$ 250.80	$ 131.35	$ 151.05	$ 34,440
6"	225	45	10,125	$ 513.00	$ 268.67	$ 308.97	$ 166,844
8"	340	3	1,020	$ 775.20	$ 405.99	$ 466.89	$ 16,808
10"	520	2	1,040	$ 1,185.60	$ 620.93	$ 714.07	$ 17,138
12"	860	-	-	$ 1,960.80	$ 1,026.91	$ 1,180.95	$ -
Total Revenue Generated							$1,440,250

Total FPSC Costs	$ 2,383,172
Less Costs Recovered from Retail Volume Charge	$ 946,404
Adjusted FPSC Costs	$ 1,436,768

Schedule HJS-22 Rebuttal
Private Fire Service Charge Calculation

Fire Connection Size	Accounts	Demand Factor	6" Equivalency Factor	6" Equivalent Connections	5/8" Equivalency	M&S Cost Per Month	Billing Cost Per Bill	Demand Cost Per Month	Total Cost Per Month	Existing Charge	Proposed Charge	Revenues
3/4"	3	0.5	0.004	0.01	1.10	$5.42	$ 2.82	$ 0.14	$ 8.39	$ 7.51	$ 8.64	$ 311
1"	9	1.0	0.009	0.08	1.40	$6.90	$ 2.82	$ 0.29	$ 10.02	$ 8.88	$ 10.22	$ 1,104
1-1/2"	3	2.9	0.026	0.08	1.80	$8.88	$ 2.82	$ 0.85	$ 12.55	$ 10.93	$ 12.57	$ 453
2"	58	6.2	0.056	3.23	2.90	$14.30	$ 2.82	$ 1.82	$ 18.94	$ 16.21	$ 18.65	$ 12,980
4"	361	38.3	0.344	124.28	14.00	$69.04	$ 2.82	$ 11.24	$ 83.10	$ 69.28	$ 79.68	$ 345,174
6"	1,231	111.3	1.000	1,231.00	21.00	$103.55	$ 2.82	$ 32.64	$ 139.03	$ 112.95	$ 129.90	$ 1,918,883
8"	244	237.2	2.131	519.97	29.00	$143.00	$ 2.82	$ 69.57	$ 215.40	$ 171.07	$ 196.74	$ 576,055
10"	4	426.6	3.832	15.33	36.25	$178.75	$ 2.82	$ 125.10	$ 306.69	$ 238.31	$ 274.06	$ 13,155
12"	20	689.0	6.190	123.81	43.50	$214.50	$ 2.82	$ 202.08	$ 419.41	$ 319.69	$ 367.65	$ 88,236
16"	1	1,468.4	13.192	13.19	58.00	$286.01	$ 2.82	$ 430.63	$ 719.47	$ 531.68	$ 611.44	$ 7,337
Public Fire Hydrants				6,216.00								
	1,934			8,246.97								$ 2,963,687

Costs Allocated to Private Fire Service

Meters & Services	$ 2,322,186
Billing & Collection	$ 65,489
Demand Costs	$ 795,601
Less Costs Recovered from Retail Volume Charge	$ 219,776
Total Private Fire Protection Costs	$ 2,963,500

Schedule HJS-23 Rebuttal
Public Fire Protection Charge Calculation

Direct Fire Costs (Per Hydrant)		
Direct Fire Protection Costs	$	1,963,375
Hydrants		6,216
Cost Per Hydrant	$	315.86
Demand Costs		
Max Day	$	1,243,016
Max Hour	$	1,987,607
Total Demand Costs	$	3,230,622
Total 6" Equivalents		8,247
Cost Per 6" Equivalent	$	391.73
Calculated Annual Hydrant Charge (Before Adjustment)	$	707.59
Less Adjustment (per 6" Eq.)	$	(253.57)
Proposed Annual Hydrant Charge (Adjusted)	$	454.02
Non-Providence Hydrants		2,848.00
Full Hydrant Charge COS	$	4,398,396
Hydrant Charge Revenues		1,293,049
Remaining to be Recovered	$	3,105,347
Providence Retail FPSC	$	2,383,172
FP Costs Recovered on Retail Volume Charge	$	722,175

Comm - 2

Comparison of Settled Rates to COS Rates
Providence Water
Docket 4618
Response to Wilson-Frias Data Request 2

	PILOT			No PILOT	
Volumetric	Settled	COS		Settled	COS
Residential	$ 3.451	$ 3.304		$ 3.432	$ 3.288
Commercial	$ 3.269	$ 3.122		$ 3.252	$ 3.107
Industrial	$ 3.214	$ 3.067		$ 3.197	$ 3.052
Wholesale	$ 1.363	$ 1.363		$ 1.357	$ 1.357
Fire Protection Charges					
Retail Fire Protection Service Charges					
5/8"	$ 1.38	$ 2.29		$ 1.38	$ 2.28
3/4"	$ 2.07	$ 3.44		$ 2.07	$ 3.42
1"	$ 5.15	$ 8.59		$ 5.15	$ 8.55
1.5"	$ 13.74	$ 22.90		$ 13.74	$ 22.80
2"	$ 32.96	$ 54.96		$ 32.96	$ 54.72
3"	$ 89.26	$ 148.85		$ 89.26	$ 148.20
4"	$ 151.05	$ 251.90		$ 151.05	$ 250.80
6"	$ 308.97	$ 515.25		$ 308.97	$ 513.00
8"	$ 466.89	$ 778.60		$ 466.89	$ 775.20
10"	$ 714.07	$ 1,190.80		$ 714.07	$ 1,185.60
12"	$ 1,180.95	$ 1,969.40		$ 1,180.95	$ 1,960.80
Private Fire Service Charges					
3/4"	$ 8.64	$ 8.41		$ 8.64	$ 8.39
1"	$ 10.22	$ 10.05		$ 10.22	$ 10.02
1-1/2"	$ 12.57	$ 12.59		$ 12.57	$ 12.55
2"	$ 18.65	$ 19.00		$ 18.65	$ 18.94
4"	$ 79.68	$ 83.37		$ 79.68	$ 83.10
6"	$ 129.90	$ 139.53		$ 129.90	$ 139.03
8"	$ 196.74	$ 216.25		$ 196.74	$ 215.40
10"	$ 274.06	$ 307.98		$ 274.06	$ 306.69
12"	$ 367.65	$ 421.29		$ 367.65	$ 419.41
16"	$ 611.44	$ 722.96		$ 611.44	$ 719.47
Public Fire Service Charges (Hydrants)	$ 454.02	$ 711.55		$ 454.02	$ 707.59

Comm 3 Dated 1/22/2017

Please provide documents showing FTE count for 2017 (update Div 1-27). Please identify new positions added since June 30, 2015, the date added and the classification and salary.

Response: Attached is the payroll updated through December 2016. The FTE's count for 2017 was not readily available. Providence Water is providing the response to Div 1-27 which shows all positions filled since June 30, 2015. This response includes position title, salary, and date filled.

Comm #3.b.

Providence Water Supply Board						
Regular Payroll, O/T, Temporary and Capitalized Data Expenses By Month						
		DIV 1-27 c, d, e, & f				
	Total Payroll Amount	Regular Amount	Overtime Amount	Temporary Amount	Capitalized Amount	Other Amount
Month						
Jul-16	1,111,377.27	1,057,716.85	53,660.42	-		
Aug-16	1,054,413.32	987,078.45	67,334.87	-		
Sep-16	1,510,251.85	1,446,597.86	63,653.99	-		
Oct-16	1,039,046.13	983,777.02	55,269.11	-		
Nov-16	1,078,238.75	1,022,423.53	55,815.22	-		
Dec-16	1,579,740.89	1,500,334.32	79,406.57	-	-	
Jan-17	-	-	-	-		
Feb-17	-	-	-	-		
Mar-17	-	-	-	-		
Apr-17	-	-	-	-		
May-17	-	-	-	-		
Jun-17	-	-	-	-		
Total Fiscal Year 2017	**7,373,068.21**	**6,997,928.03**	**375,140.18**	**-**	**-**	**-**

Comm 3 #C

Data Requests of the
Division of Public Utilities and Carriers
Set 1

1-26 Please provide the following for each employee position during the test year that experienced a change of incumbent (1) during the test year and separately (2) subsequent to the test year:

b. position title;
c. employee replaced;
d. annual salary of replaced employee;
e. replacement employee;
f. annual salary of replacement employee; and
g. date of replacement

Response: Please see attached spreadsheets for items b-g for employee positions that experienced a change in the test year and thereafter.

July 1, 2015 - June 30, 2016 (Subsequent to Test Year)

Position	OLD EMPLOYEE Employee Replaced	Annual Salary of Replaced Employee	NEW EMPLOYEE Replacement Employee	Annual Salary of Replacement Employee	Date of Replacement
Mgr Planning & Development	Peter Pallozzi	$70,988.32	Christopher Labossiere	$80,612.48	7/1/15
Watershed Inspector	Nicholas Simone	$38,937.60	Robert Cipolla	$40,106.56	7/20/15
Watershed Inspector	Mario Lima	$40,107.08	Michael Degnan	$40,106.56	7/20/15
Sr. Admin Clerk Bi-Lingual	Olimpia Tudino	$43,078.88	Sophia Costa	$40,655.68	7/23/15
Watershed Maintenance Operator	Eric Fournier	$38,773.28	Nicholas Simone	$37,230.44	10/5/15
Engineering Project Coordinator	Benjamin LePage	$56,039.88	Angell Ware	$50,828.96	10/11/15
Database Manager	Robert Corrigan	$69,635.80	C Raymond Goins	$76,773.84	10/1/15
Utility Worker in Training - Utilty Worker	Michael Degnan	$37,229.92	Roberto Julio	$37,229.92	11/2/15
Aide to the Chief (Training Coordinator)	Christopher Norcera	$58,842.68	Yvette Jaquez	$40,124.24	11/23/15
Supv Water Maintenance Crew	Peter Coccoli	$69,538.56	Edward Marfeo	$57,208.32	12/7/15
Watershed Inspector	Joao Barbosa	$40,107.08	Christopher Stafford	$40,106.56	12/21/15
Heavy Equipment Operator	Frank Cerullo	$48,797.84	Joseph Faioli	$48,797.32	1/12/16
Manager-Water Laboratory	George Solitro	$80,610.40	Helder Cabral	$66,319.76	1/19/16
Supv Lab Bacteriology	Nancy Crosby	$69,537.00	Kaitlyn Dowdell	$57,207.80	1/25/16
Rain Gauge Keeper	Jane Oliver	$1,092.00	Sandra Wakeford	$1,092.00	1/22/16
Mgr Facilities & Equipment	Tony Araujo	$75,985.52	Antonio Fernandez	$69,636.32	2/1/16
Manager-Tech Services	Andrew Pion	$65,638.56	Michael Dinobile	$60,692.32	3/4/16
Water Treatment Operator	Connor MacManus	$41,803.84	Jerelle Washington	$38,588.16	3/7/16
Water System Mechanic	Paul Sherry	$50,506.56	Joseph Manfredi	$50,506.04	4/20/16
Water System Mechanic	Ed Marfeo	$50,506.04	Theodore Smith	$50,506.04	4/20/16
Flushing Technician	Angell Ware	$47,863.40	Dennis NiHill	$47,862.88	4/5/16
Sr Waterplant Mechanic	Jerry Simbron	$52,112.84	John Tetreault	$52,112.32	4/18/16
Utility Worker in Training - Utilty Worker	Joseph Faioli	$43,449.12	Domenic Carnavale	$31,645.12	5/2/16
Utility Worker in Training - Utilty Worker	Harold Angell	$37,229.92	Keith Maynard	$31,645.12	5/2/16
	TOTAL OLD	$1,228,412.12	TOTAL NEW	$1,147,594.76	

SAVINGS BETWEEN OLD & NEW SALARIES -$80,817.36

July 1, 2014 - June 30, 2015 (Test Year)

Position	OLD EMPLOYEE Employee Replaced	Annual Salary of Replaced Employee	NEW EMPLOYEE Replacement Employee	Annual Salary of Replacement Employee	Date of Replacement
Utility Worker	Robert Cipolla	$30,723.68	William Lima	$43,449.12	10/21/14
Water Treatment Operator/WTO3	Keith Elliott	$48,823.84	Conor MacManus	$38,584.00	10/27/14
WSB Clerk	David Luongo	$27,613.04	Michelle Goodhart	$30,720.56	10/29/14
Inventory Material Handler	Vincent Mecurio	$39,629.20	Robert Tessaglia	$40,817.92	10/20/14
Sr Equipment Mechanic	Federico Pellegrino	$49,198.24	Federico Pellegrino	$49,198.24	10/21/14
Utility Worker in Training/Utility Worker	Christopher Hall	$29,829.28	Michael Degnan	$37,230.44	3/9/15
Utility Maintenance Worker	Robert Tessaglia	$37,230.44	Jesus Rodriguez	$37,229.92	3/9/15
Sr Manager	Jeanne Bondarevskis	$118,382.16	Tom Massaro	$91,671.84	3/9/15
Database Manager	Sandy Bantu	$66,320.28	Michael Corrigan	$69,635.80	3/30/15
Manager Customer Service	Nancy Sohigian	$75,984.48	Mark Ceseretti	$76,773.32	2/16/15
Sr Manager	Nancy Sohigian	$87,306.44	Nancy Parrillo	$96,255.12	4/6/15
Manager Distribution	Robert Pallazzo	$80,611.96	David Tikoian	$69,636.32	5/11/15
Utility Maintenance Repairman	Federico Pellegrino	$44,994.56	Derek Faria	$44,994.56	5/4/15
Utility Worker in Training/Utility Worker	Jayceon Meo	$30,723.68	Norman Ricci	$37,229.92	6/8/15
Utility Worker in Training/Utility Worker	Mario Lima	$40,106.56	Harold Angell	$37,229.92	6/8/15

15 positions

TOTAL OLD : $807,477.84

TOTAL NEW : $800,657.00

SAVINGS BETWEEN OLD & NEW SALARIES - $6,820.84

Comm - 4

FY '17	
# of Employees	Job Title
1	Account Collector
0	Administrative Assistant
1	Advisory Professional Engineer
2	Aide to Chief Engineer
1	Application Operations Specialist
0	Application Systems Integration Analyst
0	Applications/Database Analyst
0	Assistant Dispatcher
1	Board Counsel
0	Budget & Planning Analyst
1	Chairperson
0	Chief Engineer
0	Chief Financial Officer
2	Clerical Coordinator
0	Clerk III
0	Clerk IV
3	Customer Service Regulatory Supervisor
1	Confidential Assistant
2	Confidential Assistant/Training Administrator
0	Controller
0	Crew Leader
1	Database Administrator
0	Department Switchboard Operator
1	Deputy General Manager - Adm
0	Deputy General Manager - Operations
3	Dig Safe Worker
0	Director
4	Division Manager
0	Draftsperson
1	Electrical Technician
1	Engineer
0	Engineering Aide III
8	Engineer Project Coordinator
0	Engineering Systems Analyst
0	Engineering Systems Coordinator
1	Environmental Resource Manager
0	Equipment Mechanic
0	Equipment Operator
1	Executive Engineer
7	Flushing Technician
0	Flushing Technician in Training
1	Forest Supervisor
1	General Manager
1	GIS Supervisor

1	GIS System Specialist
4	Heavy Equipment Operator
0	Heavy Equipment Operator, Sr.
0	Inspector
1	Instrumentation Technician
1	Inventory/Material Handler
2	Junior Chemist I
1	Junior Chemist II
1	Lab Supervisor/Bacteriology
1	Lab Supervisor/Chemistry
0	Manager - Capital Program
1	Manager - Construction Services
0	Manager - Customer Service
2	Manager - Distribution
1	Manager - Distribution - Planning
1	Manager Engineering Customer Service
1	Manager Facities & Equipment
0	Manager Intergovernmental Relations
1	Manager Planning & Development
1	Manager Plant Operations
1	Manager - Purchasing
1	Manager - Records
1	Manager - Safety & Risk
1	Manager - Security
7	Manager - Technical Services
1	Manager - Laboratory
0	Manager - Water Quality
3	Member - Water Supply Board
0	Meter Manager-Customer Service
3	Meter Reader I
11	Meter Reader Technician
1	Meter Shop Technician
1	Network Administrator
0	Network Hardware Administrator
1	Network Operations Analyst
1	Plumber
1	Principal Engineer
1	Public Information Officer
1	Purchasing Agent II
5	Raingauge Keepers
0	Real Estate Administrator
1	Regulartory Service Supervisor
2	Sanitarian
1	Scheduler/Dispatcher
1	Sr. Administrative Assistant
1	Sr. Admin. Asst/Financial Analyst

Comm. 5

Providence Water
Water Sales (hcf) FY2017

Commission DR 1/23/2017 #5

Customer Class	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total
Residential	865,280.33	986,203.58	878,547.44	764,402.83	601,242.07	635,523.78							4,731,200.03
Commercial	389,702.88	450,593.17	440,024.35	390,050.82	336,529.00	301,841.59							2,308,741.81
Industrial	14,073.13	15,655.65	16,839.04	15,099.75	14,552.36	12,709.79							88,929.72
Total Retail	1,269,056.34	1,452,452.40	1,335,410.83	1,169,553.40	952,323.43	950,075.16	-	-	-	-	-	-	7,128,871.56
Wholesale	1,710,083.63	1,697,409.23	1,330,410.06	1,065,036.47	741,950.64	950,812.74							7,495,702.77
Total Consumption	2,979,139.97	2,438,655.98	2,665,820.89	2,234,589.87	1,694,274.07	1,900,887.90	-	-	-	-	-	-	14,624,574.33

Providence Water
Water Sales (hcf) FY2016

Customer Class	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total
Residential	823,667.66	913,680.51	949,919.02	779,422.61	644,578.77	613,920.15	526,959.14	475,860.30	596,135.62	589,167.00	577,788.02	778,735.03	8,269,833.83
Commercial	393,374.13	423,631.90	487,960.86	412,642.16	374,029.36	307,687.33	274,515.94	249,585.84	315,992.14	298,267.08	311,410.53	401,957.22	4,251,054.49
Industrial	14,440.51	15,250.74	14,775.04	14,229.07	15,255.49	13,055.61	14,118.41	4,243.81	14,152.88	14,497.72	13,129.94	17,218.08	164,367.30
Total Retail	1,231,482.30	1,352,563.15	1,452,654.92	1,206,293.84	1,033,863.62	934,663.09	815,593.49	729,689.95	926,280.64	901,931.80	902,328.49	1,197,910.33	12,685,255.62
Wholesale	1,524,002.32	1,357,229.91	1,581,976.59	1,074,468.11	712,226.21	1,011,071.63	797,199.19	374.20	1,672,237.88	867,282.02	1,052,692.01	1,423,091.57	13,073,851.64
Total Consumption	2,755,484.62	2,709,793.06	3,034,631.51	2,280,761.95	1,746,089.83	1,945,734.72	1,612,792.68	730,064.15	2,598,518.52	1,769,213.82	1,955,020.50	2,621,001.90	25,759,107.26