



February 17, 2022

Mrs. Luly Massaro  
Commission Clerk  
RI Public Utilities Commission  
89 Jefferson Boulevard  
Warwick, RI 02888

The Hon. Jorge O. Elorza  
Mayor

Ricky Caruolo  
General Manager

RE: Dk 4994; New Cost of Service Study Record Requests

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#### BOARD OF DIRECTORS

**Ateesh S. Chanda**  
Chairperson

**Joseph D. Cataldi**  
Vice Chairperson

**Michael J. Correia**  
Councilperson

**Jo-Ann Ryan**  
Councilperson

**Sara Silveria**  
Ex-Officio

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Member

**Dr. Alma M. Guerrero Bready**  
Member

**Carissa R. Richard**  
Secretary

**William E. O'Gara, Esq.**  
Legal Advisor

Dear Mrs. Massaro:

I am attaching an original and nine copies of Providence Water's responses to record requests from the public hearing on February 16, 2022. An electronic copy has been provided to the service list.

Thank you for your attention to this matter.

Sincerely,

*Mary L. Deignan-White*

Mary L. Deignan-White  
Division Manager-Finance

cc: service list(via email)

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#### MEMBER

Rhode Island Water Works Assn.  
New England Water Works Assn.  
American Water Works Assn.  
Water Research Foundation

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**(401) 521-6300**

125 Dupont Drive  
Providence, RI 02907

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PROVIDENCE WATER SUPPLY BOARD  
RIPUC DK. 4994  
**Commission Record Request**  
**NEW COST OF SERVICE STUDY**

**(Issued February 16, 2022)**

- 1-1. Please provide Schedule HJS-22a (currently providing for a 1/3 step increase and cap of 12%) using a cap of 6%, 8%, and 10%.

**Response:**

Please find the requested versions of HJS-22a attached.

**Schedule HJS-22a: Proposed Rates - 1/3rd Phase-In, 6% Cap**

Providence Water Supply Board  
 Docket # 4994  
 Individual Wholesale Cost of Service Study  
 Per RIPUC Report and Order No. 23928  
 Test Year Ending June 30, 2019  
 Rate Year Ending June 30, 2022

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 6% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Service Charges</b>									
5/8"	57,812	\$ 10.35	\$ 7,180,250	0.00%	\$ 10.35	\$ 7,180,250	0.00%	\$ 10.35	\$ 7,180,250
3/4"	11,326	\$ 11.03	\$ 1,499,109	0.00%	\$ 11.03	\$ 1,499,109	0.00%	\$ 11.03	\$ 1,499,109
1"	5,335	\$ 13.01	\$ 832,900	0.00%	\$ 13.01	\$ 832,900	0.00%	\$ 13.01	\$ 832,900
1.5"	1,547	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527
2"	1,357	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555
3"	73	\$ 76.67	\$ 67,163	0.00%	\$ 76.67	\$ 67,163	0.00%	\$ 76.67	\$ 67,163
4"	35	\$ 96.57	\$ 40,559	0.00%	\$ 96.57	\$ 40,559	0.00%	\$ 96.57	\$ 40,559
6"	57	\$ 142.99	\$ 97,805	0.00%	\$ 142.99	\$ 97,805	0.00%	\$ 142.99	\$ 97,805
8"	42	\$ 196.04	\$ 98,804	0.00%	\$ 196.04	\$ 98,804	0.00%	\$ 196.04	\$ 98,804
10"	4	\$ 244.12	\$ 11,718	0.00%	\$ 244.12	\$ 11,718	0.00%	\$ 244.12	\$ 11,718
12"	-	\$ 292.20	\$ -	0.00%	\$ 292.20	\$ -	0.00%	\$ 292.20	\$ -
<b>Total Service Charge</b>	<b>77,588</b>		<b>\$ 10,492,391</b>	<b>0.00%</b>		<b>\$ 10,492,391</b>	<b>0.00%</b>		<b>\$ 10,492,391</b>
<b>Retail Fire Protection Service Charges (Providence Only)</b>									
5/8"	25,954	\$ 1.90	\$ 591,751	0.00%	\$ 1.90	\$ 591,751	0.00%	\$ 1.90	\$ 591,751
3/4"	4,580	\$ 2.84	\$ 156,086	0.00%	\$ 2.84	\$ 156,086	0.00%	\$ 2.84	\$ 156,086
1"	2,091	\$ 7.06	\$ 177,150	0.00%	\$ 7.06	\$ 177,150	0.00%	\$ 7.06	\$ 177,150
1.5"	902	\$ 18.81	\$ 203,599	0.00%	\$ 18.81	\$ 203,599	0.00%	\$ 18.81	\$ 203,599
2"	792	\$ 45.12	\$ 428,820	0.00%	\$ 45.12	\$ 428,820	0.00%	\$ 45.12	\$ 428,820
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4"	20	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618
6"	28	\$ 422.88	\$ 142,088	0.00%	\$ 422.88	\$ 142,088	0.00%	\$ 422.88	\$ 142,088
8"	15	\$ 639.01	\$ 115,022	0.00%	\$ 639.01	\$ 115,022	0.00%	\$ 639.01	\$ 115,022
10"	2	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456
12"	-	\$ 1,616.32	\$ -	0.00%	\$ 1,616.32	\$ -	0.00%	\$ 1,616.32	\$ -
<b>Total Retail FPSC (Providence Only)</b>	<b>34,439</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>
<b>Total Retail Service Charge Revenue</b>			<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>
<b>Retail Consumption Charges</b>									
Residential	8,396,176	\$ 3.830	\$ 32,157,354	3.19%	\$ 3.952	\$ 33,181,688	1.23%	\$ 3.877	\$ 32,553,851
Commercial	4,041,665	\$ 4.014	\$ 16,223,243	2.34%	\$ 4.108	\$ 16,603,160	0.41%	\$ 4.030	\$ 16,289,008
Industrial	187,186	\$ 3.650	\$ 683,229	4.05%	\$ 3.798	\$ 710,932	2.09%	\$ 3.726	\$ 697,481
<b>Total Retail Consumption Charge</b>	<b>12,625,027</b>		<b>\$ 49,063,826</b>	<b>2.92%</b>		<b>\$ 50,495,780</b>	<b>0.97%</b>		<b>\$ 49,540,340</b>
East Smithfield Debt Surcharge	235,576	\$ 0.350	\$ 82,451	0.00%	\$ 0.350	\$ 82,451	0.00%	\$ 0.350	\$ 82,451
<b>Total Retail Volume Charge Revenue</b>			<b>\$ 49,146,278</b>	<b>2.91%</b>		<b>\$ 50,578,231</b>			<b>\$ 49,622,792</b>
<b>Total Retail Revenue</b>			<b>\$ 61,606,891</b>	<b>2.32%</b>		<b>\$ 63,038,844</b>	<b>0.77%</b>		<b>\$ 62,083,405</b>

## Schedule HJS-22a: Proposed Rates - 1/3rd Phase-In, 6% Cap

Providence Water Supply Board  
Docket # 4994  
Individual Wholesale Cost of Service Study  
Per RIPUC Report and Order No. 23928  
Test Year Ending June 30, 2019  
Rate Year Ending June 30, 2022

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 6% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Wholesale Charges</b>									
Bristol County	1,494,845	\$ 1.618318	\$ 2,419,134	0.98%	\$ 1.634157	\$ 2,442,811	0.73%	\$ 1.630070	\$ 2,436,702
East Providence	1,822,773	\$ 1.654429	\$ 3,015,648	-6.18%	\$ 1.552173	\$ 2,829,259	-1.69%	\$ 1.626491	\$ 2,964,724
Greenville	421,521	\$ 1.698487	\$ 715,948	14.19%	\$ 1.939449	\$ 817,519	5.18%	\$ 1.786489	\$ 753,043
Kent County	2,727,147	\$ 1.615908	\$ 4,406,819	-30.13%	\$ 1.129106	\$ 3,079,239	-9.77%	\$ 1.458113	\$ 3,976,489
Lincoln	1,038,229	\$ 1.669560	\$ 1,733,385	12.93%	\$ 1.885435	\$ 1,957,513	4.76%	\$ 1.748986	\$ 1,815,847
Smithfield	391,600	\$ 1.706054	\$ 668,091	47.45%	\$ 2.515590	\$ 985,106	6.00%	\$ 1.808417	\$ 708,177
Warwick	3,466,644	\$ 1.736015	\$ 6,018,147	-9.73%	\$ 1.567097	\$ 5,432,568	-2.89%	\$ 1.685916	\$ 5,844,471
<b>Total Wholesale Revenue</b>	<b>11,362,760</b>		<b>\$ 18,977,173</b>	<b>-7.55%</b>		<b>\$ 17,544,014</b>	<b>-2.52%</b>		<b>\$ 18,499,453</b>

<b>Wholesale Charges</b>									
Bristol County	1,118	\$ 2,163.53	\$ 2,419,134	0.98%	\$ 2,184.70	\$ 2,442,811	0.73%	\$ 2,179.24	\$ 2,436,702
East Providence	1,363	\$ 2,211.80	\$ 3,015,648	-6.18%	\$ 2,075.10	\$ 2,829,259	-1.69%	\$ 2,174.45	\$ 2,964,724
Greenville	315	\$ 2,270.70	\$ 715,948	14.19%	\$ 2,592.85	\$ 817,519	5.18%	\$ 2,388.35	\$ 753,043
Kent County	2,040	\$ 2,160.30	\$ 4,406,819	-30.13%	\$ 1,509.50	\$ 3,079,239	-9.77%	\$ 1,949.35	\$ 3,976,489
Lincoln	777	\$ 2,232.03	\$ 1,733,385	12.93%	\$ 2,520.64	\$ 1,957,513	4.76%	\$ 2,338.22	\$ 1,815,847
Smithfield	293	\$ 2,280.82	\$ 668,091	47.45%	\$ 3,363.09	\$ 985,106	6.00%	\$ 2,417.67	\$ 708,177
Warwick	2,593	\$ 2,320.88	\$ 6,018,147	-9.73%	\$ 2,095.05	\$ 5,432,568	-2.89%	\$ 2,253.90	\$ 5,844,471
<b>Wholesale (per million gallons)</b>	<b>8,499</b>		<b>\$ 18,977,173</b>	<b>-7.55%</b>		<b>\$ 17,544,014</b>	<b>-2.52%</b>		<b>\$ 18,499,453</b>

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 6% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Private Fire Service Charges</b>									
3/4"	2	\$ 11.83	\$ 284	0.00%	\$ 11.83	\$ 284	0.00%	\$ 11.83	\$ 284
1"	9	\$ 13.98	\$ 1,510	0.00%	\$ 13.98	\$ 1,510	0.00%	\$ 13.98	\$ 1,510
1-1/2"	2	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413
2"	68	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824
4"	391	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663
6"	1,245	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033
8"	256	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167
10"	4	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005
12"	18	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687
16"	-	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -
<b>Total</b>			<b>\$ 4,144,586</b>	<b>0.00%</b>		<b>\$ 4,144,586</b>	<b>0.00%</b>		<b>\$ 4,144,586</b>
Hydrants (Excluding Providence)	3,318	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838
<b>Total Fire Protection Charge Revenue</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>
<b>Total Rate Revenues</b>			<b>\$ 86,790,488</b>			<b>\$ 86,789,282</b>			<b>\$ 86,789,282</b>
<b>Miscellaneous Revenues</b>			<b>1,543,163</b>			<b>1,543,163</b>			<b>1,543,163</b>
<b>Total Revenues</b>			<b>\$ 88,333,651</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>

## Schedule HJS-22a: Proposed Rates - 1/3rd Phase-In, 8% Cap

Providence Water Supply Board  
Docket # 4994  
Individual Wholesale Cost of Service Study  
Per RIPUC Report and Order No. 23928  
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1.5"	1,547	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527
2"	1,357	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555
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4"	20	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618
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10"	2	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456
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<b>Total Retail FPSC (Providence Only)</b>	<b>34,439</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>
<b>Total Retail Service Charge Revenue</b>			<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>
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<b>Total Retail Revenue</b>			<b>\$ 61,606,891</b>	<b>2.32%</b>		<b>\$ 63,038,844</b>	<b>0.77%</b>		<b>\$ 62,083,405</b>

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Greenville	421,521	\$ 1.698487	\$ 715,948	14.19%	\$ 1.939449	\$ 817,519	5.09%	\$ 1.784924	\$ 752,384
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Lincoln	1,038,229	\$ 1.669560	\$ 1,733,385	12.93%	\$ 1.885435	\$ 1,957,513	4.67%	\$ 1.747465	\$ 1,814,268
Smithfield	391,600	\$ 1.706054	\$ 668,091	47.45%	\$ 2.515590	\$ 985,106	8.00%	\$ 1.842538	\$ 721,539
Warwick	3,466,644	\$ 1.736015	\$ 6,018,147	-9.73%	\$ 1.567097	\$ 5,432,568	-2.96%	\$ 1.684651	\$ 5,840,087
<b>Total Wholesale Revenue</b>	<b>11,362,760</b>		<b>\$ 18,977,173</b>	<b>-7.55%</b>		<b>\$ 17,544,014</b>	<b>-2.52%</b>		<b>\$ 18,499,453</b>

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Greenville	315	\$ 2,270.70	\$ 715,948	14.19%	\$ 2,592.85	\$ 817,519	5.09%	\$ 2,386.26	\$ 752,384
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Lincoln	777	\$ 2,232.03	\$ 1,733,385	12.93%	\$ 2,520.64	\$ 1,957,513	4.67%	\$ 2,336.18	\$ 1,814,268
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1-1/2"	2	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413
2"	68	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824
4"	391	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663
6"	1,245	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033
8"	256	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167
10"	4	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005
12"	18	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687
16"	-	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -
<b>Total</b>			<b>\$ 4,144,586</b>	<b>0.00%</b>		<b>\$ 4,144,586</b>	<b>0.00%</b>		<b>\$ 4,144,586</b>
Hydrants (Excluding Providence)	3,318	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838
<b>Total Fire Protection Charge Revenue</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>
<b>Total Rate Revenues</b>			<b>\$ 86,790,488</b>			<b>\$ 86,789,282</b>			<b>\$ 86,789,282</b>
<b>Miscellaneous Revenues</b>			<b>1,543,163</b>			<b>1,543,163</b>			<b>1,543,163</b>
<b>Total Revenues</b>			<b>\$ 88,333,651</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>

## Schedule HJS-22a: Proposed Rates - 1/3rd Phase-In, 10% Cap

Providence Water Supply Board  
Docket # 4994  
Individual Wholesale Cost of Service Study  
Per RIPUC Report and Order No. 23928  
Test Year Ending June 30, 2019  
Rate Year Ending June 30, 2022

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 10% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Service Charges</b>									
5/8"	57,812	\$ 10.35	\$ 7,180,250	0.00%	\$ 10.35	\$ 7,180,250	0.00%	\$ 10.35	\$ 7,180,250
3/4"	11,326	\$ 11.03	\$ 1,499,109	0.00%	\$ 11.03	\$ 1,499,109	0.00%	\$ 11.03	\$ 1,499,109
1"	5,335	\$ 13.01	\$ 832,900	0.00%	\$ 13.01	\$ 832,900	0.00%	\$ 13.01	\$ 832,900
1.5"	1,547	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527
2"	1,357	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555
3"	73	\$ 76.67	\$ 67,163	0.00%	\$ 76.67	\$ 67,163	0.00%	\$ 76.67	\$ 67,163
4"	35	\$ 96.57	\$ 40,559	0.00%	\$ 96.57	\$ 40,559	0.00%	\$ 96.57	\$ 40,559
6"	57	\$ 142.99	\$ 97,805	0.00%	\$ 142.99	\$ 97,805	0.00%	\$ 142.99	\$ 97,805
8"	42	\$ 196.04	\$ 98,804	0.00%	\$ 196.04	\$ 98,804	0.00%	\$ 196.04	\$ 98,804
10"	4	\$ 244.12	\$ 11,718	0.00%	\$ 244.12	\$ 11,718	0.00%	\$ 244.12	\$ 11,718
12"	-	\$ 292.20	\$ -	0.00%	\$ 292.20	\$ -	0.00%	\$ 292.20	\$ -
<b>Total Service Charge</b>	<b>77,588</b>		<b>\$ 10,492,391</b>	<b>0.00%</b>		<b>\$ 10,492,391</b>	<b>0.00%</b>		<b>\$ 10,492,391</b>
<b>Retail Fire Protection Service Charges (Providence Only)</b>									
5/8"	25,954	\$ 1.90	\$ 591,751	0.00%	\$ 1.90	\$ 591,751	0.00%	\$ 1.90	\$ 591,751
3/4"	4,580	\$ 2.84	\$ 156,086	0.00%	\$ 2.84	\$ 156,086	0.00%	\$ 2.84	\$ 156,086
1"	2,091	\$ 7.06	\$ 177,150	0.00%	\$ 7.06	\$ 177,150	0.00%	\$ 7.06	\$ 177,150
1.5"	902	\$ 18.81	\$ 203,599	0.00%	\$ 18.81	\$ 203,599	0.00%	\$ 18.81	\$ 203,599
2"	792	\$ 45.12	\$ 428,820	0.00%	\$ 45.12	\$ 428,820	0.00%	\$ 45.12	\$ 428,820
3"	55	\$ 122.17	\$ 80,632	0.00%	\$ 122.17	\$ 80,632	0.00%	\$ 122.17	\$ 80,632
4"	20	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618
6"	28	\$ 422.88	\$ 142,088	0.00%	\$ 422.88	\$ 142,088	0.00%	\$ 422.88	\$ 142,088
8"	15	\$ 639.01	\$ 115,022	0.00%	\$ 639.01	\$ 115,022	0.00%	\$ 639.01	\$ 115,022
10"	2	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456
12"	-	\$ 1,616.32	\$ -	0.00%	\$ 1,616.32	\$ -	0.00%	\$ 1,616.32	\$ -
<b>Total Retail FPSC (Providence Only)</b>	<b>34,439</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>
<b>Total Retail Service Charge Revenue</b>			<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>
<b>Retail Consumption Charges</b>									
Residential	8,396,176	\$ 3.830	\$ 32,157,354	3.19%	\$ 3.952	\$ 33,181,688	1.23%	\$ 3.877	\$ 32,553,851
Commercial	4,041,665	\$ 4.014	\$ 16,223,243	2.34%	\$ 4.108	\$ 16,603,160	0.41%	\$ 4.030	\$ 16,289,008
Industrial	187,186	\$ 3.650	\$ 683,229	4.05%	\$ 3.798	\$ 710,932	2.09%	\$ 3.726	\$ 697,481
<b>Total Retail Consumption Charge</b>	<b>12,625,027</b>		<b>\$ 49,063,826</b>	<b>2.92%</b>		<b>\$ 50,495,780</b>	<b>0.97%</b>		<b>\$ 49,540,340</b>
East Smithfield Debt Surcharge	235,576	\$ 0.350	\$ 82,451	0.00%	\$ 0.350	\$ 82,451	0.00%	\$ 0.350	\$ 82,451
<b>Total Retail Volume Charge Revenue</b>			<b>\$ 49,146,278</b>	<b>2.91%</b>		<b>\$ 50,578,231</b>			<b>\$ 49,622,792</b>
<b>Total Retail Revenue</b>			<b>\$ 61,606,891</b>	<b>2.32%</b>		<b>\$ 63,038,844</b>	<b>0.77%</b>		<b>\$ 62,083,405</b>

## Schedule HJS-22a: Proposed Rates - 1/3rd Phase-In, 10% Cap

Providence Water Supply Board  
Docket # 4994  
Individual Wholesale Cost of Service Study  
Per RIPUC Report and Order No. 23928  
Test Year Ending June 30, 2019  
Rate Year Ending June 30, 2022

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 10% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Wholesale Charges</b>									
Bristol County	1,494,845	\$ 1.618318	\$ 2,419,134	0.98%	\$ 1.634157	\$ 2,442,811	0.56%	\$ 1.627433	\$ 2,432,760
East Providence	1,822,773	\$ 1.654429	\$ 3,015,648	-6.18%	\$ 1.552173	\$ 2,829,259	-1.84%	\$ 1.623986	\$ 2,960,158
Greenville	421,521	\$ 1.698487	\$ 715,948	14.19%	\$ 1.939449	\$ 817,519	5.00%	\$ 1.783359	\$ 751,724
Kent County	2,727,147	\$ 1.615908	\$ 4,406,819	-30.13%	\$ 1.129106	\$ 3,079,239	-9.88%	\$ 1.456291	\$ 3,971,519
Lincoln	1,038,229	\$ 1.669560	\$ 1,733,385	12.93%	\$ 1.885435	\$ 1,957,513	4.58%	\$ 1.745943	\$ 1,812,688
Smithfield	391,600	\$ 1.706054	\$ 668,091	47.45%	\$ 2.515590	\$ 985,106	10.00%	\$ 1.876659	\$ 734,900
Warwick	3,466,644	\$ 1.736015	\$ 6,018,147	-9.73%	\$ 1.567097	\$ 5,432,568	-3.03%	\$ 1.683387	\$ 5,835,703
<b>Total Wholesale Revenue</b>	<b>11,362,760</b>		<b>\$ 18,977,173</b>	<b>-7.55%</b>		<b>\$ 17,544,014</b>	<b>-2.52%</b>		<b>\$ 18,499,453</b>

<b>Wholesale Charges</b>									
Bristol County	1,118	\$ 2,163.53	\$ 2,419,134	0.98%	\$ 2,184.70	\$ 2,442,811	0.56%	\$ 2,175.71	\$ 2,432,760
East Providence	1,363	\$ 2,211.80	\$ 3,015,648	-6.18%	\$ 2,075.10	\$ 2,829,259	-1.84%	\$ 2,171.10	\$ 2,960,158
Greenville	315	\$ 2,270.70	\$ 715,948	14.19%	\$ 2,592.85	\$ 817,519	5.00%	\$ 2,384.17	\$ 751,724
Kent County	2,040	\$ 2,160.30	\$ 4,406,819	-30.13%	\$ 1,509.50	\$ 3,079,239	-9.88%	\$ 1,946.91	\$ 3,971,519
Lincoln	777	\$ 2,232.03	\$ 1,733,385	12.93%	\$ 2,520.64	\$ 1,957,513	4.58%	\$ 2,334.15	\$ 1,812,688
Smithfield	293	\$ 2,280.82	\$ 668,091	47.45%	\$ 3,363.09	\$ 985,106	10.00%	\$ 2,508.90	\$ 734,900
Warwick	2,593	\$ 2,320.88	\$ 6,018,147	-9.73%	\$ 2,095.05	\$ 5,432,568	-3.03%	\$ 2,250.52	\$ 5,835,703
<b>Wholesale (per million gallons)</b>	<b>8,499</b>		<b>\$ 18,977,173</b>	<b>-7.55%</b>		<b>\$ 17,544,014</b>	<b>-2.52%</b>		<b>\$ 18,499,453</b>

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 10% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Private Fire Service Charges</b>									
3/4"	2	\$ 11.83	\$ 284	0.00%	\$ 11.83	\$ 284	0.00%	\$ 11.83	\$ 284
1"	9	\$ 13.98	\$ 1,510	0.00%	\$ 13.98	\$ 1,510	0.00%	\$ 13.98	\$ 1,510
1-1/2"	2	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413
2"	68	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824
4"	391	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663
6"	1,245	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033
8"	256	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167
10"	4	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005
12"	18	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687
16"	-	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -
Total			\$ 4,144,586	0.00%		\$ 4,144,586	0.00%		\$ 4,144,586
Hydrants (Excluding Providence)	3,318	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838
<b>Total Fire Protection Charge Revenue</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>
<b>Total Rate Revenues</b>			<b>\$ 86,790,488</b>			<b>\$ 86,789,282</b>			<b>\$ 86,789,282</b>
<b>Miscellaneous Revenues</b>			<b>1,543,163</b>			<b>1,543,163</b>			<b>1,543,163</b>
<b>Total Revenues</b>			<b>\$ 88,333,651</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>



**Schedule HJS-22a: Proposed Rates - 1/3rd Phase-In, 12% Cap**

Providence Water Supply Board  
 Docket # 4994  
 Individual Wholesale Cost of Service Study  
 Per RIPUC Report and Order No. 23928  
 Test Year Ending June 30, 2019  
 Rate Year Ending June 30, 2022

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 12% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Service Charges</b>									
5/8"	57,812	\$ 10.35	\$ 7,180,250	0.00%	\$ 10.35	\$ 7,180,250	0.00%	\$ 10.35	\$ 7,180,250
3/4"	11,326	\$ 11.03	\$ 1,499,109	0.00%	\$ 11.03	\$ 1,499,109	0.00%	\$ 11.03	\$ 1,499,109
1"	5,335	\$ 13.01	\$ 832,900	0.00%	\$ 13.01	\$ 832,900	0.00%	\$ 13.01	\$ 832,900
1.5"	1,547	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527	0.00%	\$ 15.65	\$ 290,527
2"	1,357	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555	0.00%	\$ 22.94	\$ 373,555
3"	73	\$ 76.67	\$ 67,163	0.00%	\$ 76.67	\$ 67,163	0.00%	\$ 76.67	\$ 67,163
4"	35	\$ 96.57	\$ 40,559	0.00%	\$ 96.57	\$ 40,559	0.00%	\$ 96.57	\$ 40,559
6"	57	\$ 142.99	\$ 97,805	0.00%	\$ 142.99	\$ 97,805	0.00%	\$ 142.99	\$ 97,805
8"	42	\$ 196.04	\$ 98,804	0.00%	\$ 196.04	\$ 98,804	0.00%	\$ 196.04	\$ 98,804
10"	4	\$ 244.12	\$ 11,718	0.00%	\$ 244.12	\$ 11,718	0.00%	\$ 244.12	\$ 11,718
12"	-	\$ 292.20	\$ -	0.00%	\$ 292.20	\$ -	0.00%	\$ 292.20	\$ -
<b>Total Service Charge</b>	<b>77,588</b>		<b>\$ 10,492,391</b>	<b>0.00%</b>		<b>\$ 10,492,391</b>	<b>0.00%</b>		<b>\$ 10,492,391</b>
<b>Retail Fire Protection Service Charges (Providence Only)</b>									
5/8"	25,954	\$ 1.90	\$ 591,751	0.00%	\$ 1.90	\$ 591,751	0.00%	\$ 1.90	\$ 591,751
3/4"	4,580	\$ 2.84	\$ 156,086	0.00%	\$ 2.84	\$ 156,086	0.00%	\$ 2.84	\$ 156,086
1"	2,091	\$ 7.06	\$ 177,150	0.00%	\$ 7.06	\$ 177,150	0.00%	\$ 7.06	\$ 177,150
1.5"	902	\$ 18.81	\$ 203,599	0.00%	\$ 18.81	\$ 203,599	0.00%	\$ 18.81	\$ 203,599
2"	792	\$ 45.12	\$ 428,820	0.00%	\$ 45.12	\$ 428,820	0.00%	\$ 45.12	\$ 428,820
3"	55	\$ 122.17	\$ 80,632	0.00%	\$ 122.17	\$ 80,632	0.00%	\$ 122.17	\$ 80,632
4"	20	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618	0.00%	\$ 206.74	\$ 49,618
6"	28	\$ 422.88	\$ 142,088	0.00%	\$ 422.88	\$ 142,088	0.00%	\$ 422.88	\$ 142,088
8"	15	\$ 639.01	\$ 115,022	0.00%	\$ 639.01	\$ 115,022	0.00%	\$ 639.01	\$ 115,022
10"	2	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456	0.00%	\$ 977.32	\$ 23,456
12"	-	\$ 1,616.32	\$ -	0.00%	\$ 1,616.32	\$ -	0.00%	\$ 1,616.32	\$ -
<b>Total Retail FPSC (Providence Only)</b>	<b>34,439</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>	<b>0.00%</b>		<b>\$ 1,968,222</b>
<b>Total Retail Service Charge Revenue</b>			<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>	<b>0.00%</b>		<b>\$ 12,460,613</b>
<b>Retail Consumption Charges</b>									
Residential	8,396,176	\$ 3.830	\$ 32,157,354	3.19%	\$ 3.952	\$ 33,181,688	1.23%	\$ 3.877	\$ 32,553,851
Commercial	4,041,665	\$ 4.014	\$ 16,223,243	2.34%	\$ 4.108	\$ 16,603,160	0.41%	\$ 4.030	\$ 16,289,008
Industrial	187,186	\$ 3.650	\$ 683,229	4.05%	\$ 3.798	\$ 710,932	2.09%	\$ 3.726	\$ 697,481
<b>Total Retail Consumption Charge</b>	<b>12,625,027</b>		<b>\$ 49,063,826</b>	<b>2.92%</b>		<b>\$ 50,495,780</b>	<b>0.97%</b>		<b>\$ 49,540,340</b>
East Smithfield Debt Surcharge	235,576	\$ 0.350	\$ 82,451	0.00%	\$ 0.350	\$ 82,451	0.00%	\$ 0.350	\$ 82,451
<b>Total Retail Volume Charge Revenue</b>			<b>\$ 49,146,278</b>	<b>2.91%</b>		<b>\$ 50,578,231</b>			<b>\$ 49,622,792</b>
<b>Total Retail Revenue</b>			<b>\$ 61,606,891</b>	<b>2.32%</b>		<b>\$ 63,038,844</b>	<b>0.77%</b>		<b>\$ 62,083,405</b>

## Schedule HJS-22a: Proposed Rates - 1/3rd Phase-In, 12% Cap

Providence Water Supply Board  
Docket # 4994  
Individual Wholesale Cost of Service Study  
Per RIPUC Report and Order No. 23928  
Test Year Ending June 30, 2019  
Rate Year Ending June 30, 2022

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 12% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Wholesale Charges</b>									
Bristol County	1,494,845	\$ 1.618318	\$ 2,419,134	0.98%	\$ 1.634157	\$ 2,442,811	0.48%	\$ 1.626114	\$ 2,430,789
East Providence	1,822,773	\$ 1.654429	\$ 3,015,648	-6.18%	\$ 1.552173	\$ 2,829,259	-1.92%	\$ 1.622734	\$ 2,957,875
Greenville	421,521	\$ 1.698487	\$ 715,948	14.19%	\$ 1.939449	\$ 817,519	4.90%	\$ 1.781794	\$ 751,064
Kent County	2,727,147	\$ 1.615908	\$ 4,406,819	-30.13%	\$ 1.129106	\$ 3,079,239	-9.93%	\$ 1.455379	\$ 3,969,034
Lincoln	1,038,229	\$ 1.669560	\$ 1,733,385	12.93%	\$ 1.885435	\$ 1,957,513	4.48%	\$ 1.744422	\$ 1,811,109
Smithfield	391,600	\$ 1.706054	\$ 668,091	47.45%	\$ 2.515590	\$ 985,106	12.00%	\$ 1.910780	\$ 748,262
Warwick	3,466,644	\$ 1.736015	\$ 6,018,147	-9.73%	\$ 1.567097	\$ 5,432,568	-3.10%	\$ 1.682122	\$ 5,831,320
<b>Total Wholesale Revenue</b>	<b>11,362,760</b>		<b>\$ 18,977,173</b>	<b>-7.55%</b>		<b>\$ 17,544,014</b>	<b>-2.52%</b>		<b>\$ 18,499,453</b>

<b>Wholesale Charges</b>									
Bristol County	1,118	\$ 2,163.53	\$ 2,419,134	0.98%	\$ 2,184.70	\$ 2,442,811	0.48%	\$ 2,173.95	\$ 2,430,789
East Providence	1,363	\$ 2,211.80	\$ 3,015,648	-6.18%	\$ 2,075.10	\$ 2,829,259	-1.92%	\$ 2,169.43	\$ 2,957,875
Greenville	315	\$ 2,270.70	\$ 715,948	14.19%	\$ 2,592.85	\$ 817,519	4.90%	\$ 2,382.08	\$ 751,064
Kent County	2,040	\$ 2,160.30	\$ 4,406,819	-30.13%	\$ 1,509.50	\$ 3,079,239	-9.93%	\$ 1,945.69	\$ 3,969,034
Lincoln	777	\$ 2,232.03	\$ 1,733,385	12.93%	\$ 2,520.64	\$ 1,957,513	4.48%	\$ 2,332.11	\$ 1,811,109
Smithfield	293	\$ 2,280.82	\$ 668,091	47.45%	\$ 3,363.09	\$ 985,106	12.00%	\$ 2,554.52	\$ 748,262
Warwick	2,593	\$ 2,320.88	\$ 6,018,147	-9.73%	\$ 2,095.05	\$ 5,432,568	-3.10%	\$ 2,248.83	\$ 5,831,320
<b>Wholesale (per million gallons)</b>	<b>8,499</b>		<b>\$ 18,977,173</b>	<b>-7.55%</b>		<b>\$ 17,544,014</b>	<b>-2.52%</b>		<b>\$ 18,499,453</b>

Description	Units	FY 2022 - Existing		FY 2022 - Cost of Service			FY 2022 - 1/3rd Phase-In, 12% Cap		
		Rates	Revenue	% Change	Rates	Revenue	% Change	Rates	Revenue
<b>Private Fire Service Charges</b>									
3/4"	2	\$ 11.83	\$ 284	0.00%	\$ 11.83	\$ 284	0.00%	\$ 11.83	\$ 284
1"	9	\$ 13.98	\$ 1,510	0.00%	\$ 13.98	\$ 1,510	0.00%	\$ 13.98	\$ 1,510
1-1/2"	2	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413	0.00%	\$ 17.22	\$ 413
2"	68	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824	0.00%	\$ 25.52	\$ 20,824
4"	391	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663	0.00%	\$ 109.05	\$ 511,663
6"	1,245	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033	0.00%	\$ 177.78	\$ 2,656,033
8"	256	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167	0.00%	\$ 269.26	\$ 827,167
10"	4	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005	0.00%	\$ 375.10	\$ 18,005
12"	18	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687	0.00%	\$ 503.18	\$ 108,687
16"	-	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -	0.00%	\$ 785.75	\$ -
Total			\$ 4,144,586	0.00%		\$ 4,144,586	0.00%		\$ 4,144,586
Hydrants (Excluding Providence)	3,318	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838	0.00%	\$621.41	\$ 2,061,838
<b>Total Fire Protection Charge Revenue</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>			<b>\$ 6,206,424</b>
<b>Total Rate Revenues</b>			<b>\$ 86,790,488</b>			<b>\$ 86,789,282</b>			<b>\$ 86,789,282</b>
<b>Miscellaneous Revenues</b>			<b>1,543,163</b>			<b>1,543,163</b>			<b>1,543,163</b>
<b>Total Revenues</b>			<b>\$ 88,333,651</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>	<b>0.00%</b>		<b>\$ 88,332,445</b>

PROVIDENCE WATER SUPPLY BOARD  
RIPUC DK. 4994  
**Commission Record Request**  
**NEW COST OF SERVICE STUDY**

(Issued February 16, 2022)

1-2. Please provide the total number of residential and non-residential retail accounts on the Providence Water System, including total consumption and total annual revenue. If the data is readily available by retail rate class, please provide breakdown.

**Response:** Please see below total consumption and revenue by rate class for the period January 2021 through January 2022.

<u>Customer Class</u>	<b>Total Accounts</b>	<b>Total HCF</b>	<b>Total Revenue</b>
Residential	70,913	8,720,928	\$ 33,256,323
Commercial	6,219	3,631,311	\$ 14,570,046
Industrial	<u>69</u>	<u>166,677</u>	<u>852,154</u>
Non-Residential	6,288	3,797,988	\$ 15,422,200
 Total Retail	 77,201	 12,518,916	 \$ 48,678,523

PROVIDENCE WATER SUPPLY BOARD  
 RIPUC DK. 4994  
**Commission Record Request**  
**NEW COST OF SERVICE STUDY**

(Issued February 16, 2022)

1-3. Please provide the total residential and non-residential retail accounts by municipality.

**Response:** See below total residential and non-residential retail accounts by municipality as of January 2022.

	<u>Cranston</u>	<u>Johnston</u>	<u>Lincoln</u>	<u>No.Providence</u>	<u>No. Scituate</u>	<u>Pawtucket</u>	<u>Smithfield</u>	<u>Providence</u>	<u>Total</u>
Residential	22,548	7,940	43	8,456	14	18	1,583	30,311	70,913
Non-Residential	<u>1,397</u>	<u>607</u>	<u>-</u>	<u>477</u>	<u>-</u>	<u>-</u>	<u>45</u>	<u>3,762</u>	<u>6,288</u>
Total	23,945	8,547	43	8,933	14	18	1,628	34,073	77,201