

DW 16-806

Pennichuck Water Works, Inc. Order No. 26,070

Recoupment Calculations Methodology for PWW Perm Rate Increase

All Customer classes to be surcharged individually based on customer charge, actual usage and fire protection in accordance with the permanent rate increase.

Calculation PWW Core Customers for service from December 7, 2016 thru November 2017 bills.

Recoupment was calculated by taking difference between the Bill amount at Temporary Rate and the Bill amount at the Permanent Rate for each account this will then be reduced by the WICA surcharge collected during this time frame. This will be a one-time surcharge on the customers bill.

Calculation CWS Customers for service from December 7, 2016 thru November 2017 bills.

Recoupment was calculated by taking difference between the Bill amount at Temporary Rate and the Bill amount at the Permanent Rate for each account. This surcharge will be collected in equal installments for 12 months on the customers bill.

Please note: recoupment dollars are truncated to 4 decimal positions and then rounded to 2 decimal positions in the total calculation.

Temporary Rate to Permanent Recoupment -December 7, 2016 through November 24, 2017 Billing

Permanent Rate Inc 3.18%
Tyngsboro Perm Inc 1.37%

PWW Recoupment

	Customer Charge	Consumption Charges	Contract Charges	Private FP	Public FP	WICA	Total
Residential	\$ 190,124.39	\$ 304,392.74	\$ -	\$ 4,706.80	\$ -	\$ (476,568.66)	\$ 22,655.27
Commercial	\$ 30,416.38	\$ 79,092.12	\$ -	\$ 21,851.47	\$ -	\$ (125,135.63)	\$ 6,224.34
Industrial	\$ 6,075.67	\$ 26,550.97	\$ -	\$ 5,779.41	\$ -	\$ (36,592.07)	\$ 1,813.98
Anheuser	\$ 689.29	\$ 12,795.03	\$ -	\$ -	\$ -	\$ (12,858.62)	\$ 625.70
Milford	\$ -	\$ 2,349.60	\$ -	\$ -	\$ -	\$ (2,238.05)	\$ 111.55
Hudson	\$ -	\$ 9,615.04	\$ -	\$ -	\$ -	\$ (9,160.90)	\$ 454.14
Tyngsborough	\$ 6.36	\$ 544.13	\$ 3,511.44	\$ -	\$ -	\$ (3,613.54)	\$ 448.39
Municipal	\$ 4,101.05	\$ 9,586.58	\$ -	\$ 1,594.44	\$ 91,350.13	\$ (101,766.47)	\$ 4,865.73
Total	\$ 231,413.14	\$ 444,926.21	\$ 3,511.44	\$ 33,932.12	\$ 91,350.13	\$ (767,933.94)	\$ 37,199.10

CWS Recoupment

	Customer Charge	Consumption Charges	Contract Charges	Private FP	Public FP	Total
Residential	\$ 20,540.75	\$ 32,047.84	\$ -	\$ 21.32	\$ -	\$ 52,609.91
Commercial	\$ 436.30	\$ 1,153.61	\$ -	\$ 271.80	\$ -	\$ 1,861.71
Industrial	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Municipal	\$ 415.40	\$ 761.23	\$ -	\$ 124.25	\$ 6,679.84	\$ 7,980.72
Total	\$ 21,392.45	\$ 33,962.68	\$ -	\$ 417.37	\$ 6,679.84	\$ 62,452.34

PWW 2015 Test Year Rate Case - Proposed Rate Increase Schedule								
Overall Rate Increase of		0.00%	3.18%	11.00%			Based on Settlement Agreement	
Monthly Customer Charge								
	Orig Monthly	Temp Rate	Perm Rate	Overall Rate (includes Step)			Overall	11.00%
5/8"	20.34	20.34	20.99	22.58			Perm	3.18%
3/4"	29.28	29.28	30.21	32.50			Step	7.82%
1"	47.16	47.16	48.66	52.35				
1 1/2"	91.91	91.91	94.83	102.02			Temp	0.00%
2"	150.47	150.47	155.25	167.02				
3"	275.93	275.93	284.70	306.28				
4"	455.09	455.09	469.56	505.15				
6"	903.02	903.02	931.74	1,002.35				
8"	1,440.68	1,440.68	1,486.49	1,599.15				
10"	2,067.77	2,067.77	2,133.53	2,295.22				
Volumetric								
	Orig Monthly	Temp Rate	Perm Rate	Overall Rate (includes Step)				
General Metered	3.30	3.30	3.40	3.66				
Milford Contract	2.0748	2.0748	2.1408	2.3030				
Anheuser Busch	0.9568	0.9568	0.9872	1.0620				
Hudson Contract	2.0942	2.0942	2.1608	2.3246				
Tyngsborough	2.101	2.1010	2.1300	2.2900			Tyngsborough	
Tyngs Mthly Fixed	38.75	38.75	39.28	42.31			Perm Inc	1.37%
Tyngs Mthly Base	21358.76	21,358.76	21,651.38	23,321.63			Overall Inc	9.19%
Private Fire Protection								
	Orig Monthly	Temp Rate	Perm Rate	Overall Rate (includes Step)				
4" or smaller	55.88	55.88	57.66	62.03				
6"	93.77	93.77	96.75	104.08				
8"	138.06	138.06	142.45	153.25				
Public Fire Protection								
	Orig Monthly	Temp Rate	Perm Rate	Overall Rate (includes Step)				
Hydrant	19.10	19.10	19.71	21.20				
	Orig Per Year	Temp Per Year	Perm Per Year	Overall Per Year (includes Step)				
Inch-Foot	0.13179	0.13179	0.13598	0.14629				

**Recoupment
Permanent Rate Increase**

Anheuser Busch

6" Meter

Industrial

PWW

Nashua

Bills Rendered

12/7/2016

Increase

3.18%

Bill Date

12/7/2016

Account # 100012322

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Contract Fee	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Contract Fee	Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Contract Fee Recoup	Total Recoup
December 2016	16,500	\$15,787.20	903.02	\$30,952.54	\$47,642.76	\$16,288.80	\$ 931.74	\$30,952.54	\$48,173.08	\$501.6000	\$28.7200	\$ -	\$530.3200
January 2017	17,300	\$16,552.64	903.02	\$30,952.54	\$48,408.20	\$17,078.56	\$ 931.74	\$30,952.54	\$48,962.84	\$525.9199	\$28.7200	\$ -	\$554.6399
February 2017	16,300	\$15,595.84	903.02	\$30,952.54	\$47,451.40	\$16,091.36	\$ 931.74	\$30,952.54	\$47,975.64	\$495.5199	\$28.7200	\$ -	\$524.2399
March 2017	15,900	\$15,213.12	903.02	\$30,952.54	\$47,068.68	\$15,696.48	\$ 931.74	\$30,952.54	\$47,580.76	\$483.3600	\$28.7200	\$ -	\$512.0800
April 2017	17,300	\$16,552.64	903.02	\$30,952.54	\$48,408.20	\$17,078.56	\$ 931.74	\$30,952.54	\$48,962.84	\$525.9199	\$28.7200	\$ -	\$554.6399
May 2017	17,400	\$16,648.32	903.02	\$30,952.54	\$48,503.88	\$17,177.28	\$ 931.74	\$30,952.54	\$49,061.56	\$528.9599	\$28.7200	\$ -	\$557.6799
June 2017	17,600	\$16,839.68	903.02	\$30,952.54	\$48,695.24	\$17,374.72	\$ 931.74	\$30,952.54	\$49,259.00	\$535.0400	\$28.7200	\$ -	\$563.7600
July 2017	17,700	\$16,935.36	903.02	\$30,952.54	\$48,790.92	\$17,473.44	\$ 931.74	\$30,952.54	\$49,357.72	\$538.0799	\$28.7200	\$ -	\$566.7999
August 2017	18,600	\$17,796.48	903.02	\$30,952.54	\$49,652.04	\$18,361.92	\$ 931.74	\$30,952.54	\$50,246.20	\$565.4399	\$28.7200	\$ -	\$594.1599
September 2017	19,700	\$18,848.96	903.02	\$30,952.54	\$50,704.52	\$19,447.84	\$ 931.74	\$30,952.54	\$51,332.12	\$598.8800	\$28.7200	\$ -	\$627.6000
October 2017	19,600	\$18,753.28	903.02	\$30,952.54	\$50,608.84	\$19,349.12	\$ 931.74	\$30,952.54	\$51,233.40	\$595.8400	\$28.7200	\$ -	\$624.5600
November 2017	18,114	\$17,331.48	903.02	\$30,952.54	\$49,187.04	\$17,882.14	\$ 931.74	\$30,952.54	\$49,766.42	\$550.6656	\$28.7200	\$ -	\$579.3856
	212,014	\$202,855.00	\$10,836.24	\$371,430.48	\$585,121.72	\$209,300.22	\$11,180.88	\$371,430.48	\$591,911.58	\$6,445.23	\$344.64	\$ -	\$6,789.8650

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$478.35	\$27.36	\$0.00	\$505.71	(\$478.3500)	(\$27.3600)		(\$505.7100)
January 2017	\$501.54	\$27.36	\$0.00	\$528.90	(\$501.5400)	(\$27.3600)		(\$528.9000)
February 2017	\$472.55	\$27.36	\$0.00	\$499.91	(\$472.5500)	(\$27.3600)		(\$499.9100)
March 2017	\$460.96	\$27.36	\$0.00	\$488.32	(\$460.9600)	(\$27.3600)		(\$488.3200)
April 2017	\$501.54	\$27.36	\$0.00	\$528.90	(\$501.5400)	(\$27.3600)		(\$528.9000)
May 2017	\$504.44	\$27.36	\$0.00	\$531.80	(\$504.4400)	(\$27.3600)		(\$531.8000)
June 2017	\$510.24	\$27.36	\$0.00	\$537.60	(\$510.2400)	(\$27.3600)		(\$537.6000)
July 2017	\$513.14	\$27.36	\$0.00	\$540.50	(\$513.1400)	(\$27.3600)		(\$540.5000)
August 2017	\$539.23	\$27.36	\$0.00	\$566.59	(\$539.2300)	(\$27.3600)		(\$566.5900)
September 2017	\$571.12	\$27.36	\$0.00	\$598.48	(\$571.1200)	(\$27.3600)		(\$598.4800)
October 2017	\$568.22	\$27.36	\$0.00	\$595.58	(\$568.2200)	(\$27.3600)		(\$595.5800)
November 2017	\$525.14	\$27.36	\$0.00	\$552.50	(\$525.1400)	(\$27.3600)		(\$552.5000)
	\$6,146.47	\$328.32	\$0.00	\$6,474.79	(\$6,146.4700)	(\$328.3200)	\$ -	(\$6,474.7900)
Recoupment Totals -					\$298.7550	\$16.3200	\$0.0000	\$315.0750

Total of Recoupment/Refund - \$ 315.08

Permanent Volumetric Charge - \$ 0.9872

Permanent 6"Customer Charge - \$ 931.74

WICA Percentage Billed 3.03%

2017 PWW Recoupment Model for 2015 Test Year-to include with filing
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**Recoupment
Permanent Rate Increase**

Anheuser Busch

6" Meter

Industrial

PWW

Nashua

Bills Rendered

12/7/2016

Increase

3.18%

Bill Date

12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Total Org Rate		Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Total at Perm Rate		Usage \$ Recoup	Cust Chrg Recoup	Total Recoup	
December 2016	16,200	\$15,500.16	903.02	\$16,403.18	\$15,992.64	\$ 931.74	\$16,924.38	\$492.4800	\$28.7200	\$521.2000			
January 2017	16,900	\$16,169.92	903.02	\$17,072.94	\$16,683.68	\$ 931.74	\$17,615.42	\$513.7600	\$28.7200	\$542.4800			
February 2017	15,900	\$15,213.12	903.02	\$16,116.14	\$15,696.48	\$ 931.74	\$16,628.22	\$483.3600	\$28.7200	\$512.0800			
March 2017	15,600	\$14,926.08	903.02	\$15,829.10	\$15,400.32	\$ 931.74	\$16,332.06	\$474.2400	\$28.7200	\$502.9600			
April 2017	17,000	\$16,265.60	903.02	\$17,168.62	\$16,782.40	\$ 931.74	\$17,714.14	\$516.7999	\$28.7200	\$545.5199			
May 2017	17,100	\$16,361.28	903.02	\$17,264.30	\$16,881.12	\$ 931.74	\$17,812.86	\$519.8400	\$28.7200	\$548.5600			
June 2017	17,400	\$16,648.32	903.02	\$17,551.34	\$17,177.28	\$ 931.74	\$18,109.02	\$528.9599	\$28.7200	\$557.6799			
July 2017	17,500	\$16,744.00	903.02	\$17,647.02	\$17,276.00	\$ 931.74	\$18,207.74	\$532.0000	\$28.7200	\$560.7200			
August 2017	18,400	\$17,605.12	903.02	\$18,508.14	\$18,164.48	\$ 931.74	\$19,096.22	\$559.3600	\$28.7200	\$588.0800			
September 2017	19,500	\$18,657.60	903.02	\$19,560.62	\$19,250.40	\$ 931.74	\$20,182.14	\$592.7999	\$28.7200	\$621.5199			
October 2017	19,500	\$18,657.60	903.02	\$19,560.62	\$19,250.40	\$ 931.74	\$20,182.14	\$592.7999	\$28.7200	\$621.5199			
November 2017	17,875	\$17,102.80	903.02	\$18,005.82	\$17,646.20	\$ 931.74	\$18,577.94	\$543.4000	\$28.7200	\$572.1200			
	208,875	\$199,851.60	\$10,836.24	\$0.00	\$210,687.84	\$206,201.40	\$11,180.88	\$0.00	\$217,382.28	\$6,349.80	\$344.64	\$ -	\$6,694.4396

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$469.65	\$27.36	\$0.00	\$497.01	(\$469.6500)	(\$27.3600)		(\$497.0100)
January 2017	\$489.95	\$27.36	\$0.00	\$517.31	(\$489.9500)	(\$27.3600)		(\$517.3100)
February 2017	\$460.96	\$27.36	\$0.00	\$488.32	(\$460.9600)	(\$27.3600)		(\$488.3200)
March 2017	\$452.26	\$27.36	\$0.00	\$479.62	(\$452.2600)	(\$27.3600)		(\$479.6200)
April 2017	\$492.85	\$27.36	\$0.00	\$520.21	(\$492.8500)	(\$27.3600)		(\$520.2100)
May 2017	\$495.75	\$27.36	\$0.00	\$523.11	(\$495.7500)	(\$27.3600)		(\$523.1100)
June 2017	\$504.44	\$27.36	\$0.00	\$531.80	(\$504.4400)	(\$27.3600)		(\$531.8000)
July 2017	\$507.34	\$27.36	\$0.00	\$534.70	(\$507.3400)	(\$27.3600)		(\$534.7000)
August 2017	\$533.44	\$27.36	\$0.00	\$560.80	(\$533.4400)	(\$27.3600)		(\$560.8000)
September 2017	\$565.33	\$27.36	\$0.00	\$592.69	(\$565.3300)	(\$27.3600)		(\$592.6900)
October 2017	\$565.33	\$27.36	\$0.00	\$592.69	(\$565.3300)	(\$27.3600)		(\$592.6900)
November 2017	\$518.21	\$27.36	\$0.00	\$545.57	(\$518.2100)	(\$27.3600)		(\$545.5700)
	\$6,055.51	\$328.32	\$0.00	\$6,383.83	(\$6,055.5100)	(\$328.3200)	\$ -	(\$6,383.8300)
Recoupment Totals -					\$294.2896	\$16.3200	\$0.0000	\$310.6096

Total of Recoupment/Refund - \$ 310.61

Permanent Volumetric Charge - \$ 0.9872

Permanent 6"Customer Charge - \$ 931.74

WICA Percentage Billed 3.03%

2017 PWW Recoupment Model for 2015 Test Year-to include with filing
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**Recoupment
Permanent Rate Increase**

Milford Contract

PWW

Nashua

Bills Rendered
12/7/2016

Increase 3.18%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Contract Fee	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Contract Fee	Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Contract Fee Recoup	Total Recoup
December 2016	13,300	\$27,594.84	-	\$6,750.00	\$34,344.84	\$28,472.64	\$ -	\$6,750.00	\$35,222.64	\$877.7999	\$0.0000	\$0.0000	\$877.7999
January 2017	1,000	\$2,074.80	-	\$6,750.00	\$8,824.80	\$2,140.80	\$ -	\$6,750.00	\$8,890.80	\$66.0000	\$0.0000	\$0.0000	\$66.0000
February 2017	1,400	\$2,904.72	-	\$6,750.00	\$9,654.72	\$2,997.12	\$ -	\$6,750.00	\$9,747.12	\$92.3999	\$0.0000	\$0.0000	\$92.3999
March 2017	1,500	\$3,112.20	-	\$6,750.00	\$9,862.20	\$3,211.20	\$ -	\$6,750.00	\$9,961.20	\$99.0000	\$0.0000	\$0.0000	\$99.0000
April 2017	1,900	\$3,942.12	-	\$6,750.00	\$10,692.12	\$4,067.52	\$ -	\$6,750.00	\$10,817.52	\$125.4000	\$0.0000	\$0.0000	\$125.4000
May 2017	2,200	\$4,564.56	-	\$6,750.00	\$11,314.56	\$4,709.76	\$ -	\$6,750.00	\$11,459.76	\$145.2000	\$0.0000	\$0.0000	\$145.2000
June 2017	2,400	\$4,979.52	-	\$6,750.00	\$11,729.52	\$5,137.92	\$ -	\$6,750.00	\$11,887.92	\$158.4000	\$0.0000	\$0.0000	\$158.4000
July 2017	2,100	\$4,357.08	-	\$6,750.00	\$11,107.08	\$4,495.68	\$ -	\$6,750.00	\$11,245.68	\$138.5999	\$0.0000	\$0.0000	\$138.5999
August 2017	2,100	\$4,357.08	-	\$6,750.00	\$11,107.08	\$4,495.68	\$ -	\$6,750.00	\$11,245.68	\$138.5999	\$0.0000	\$0.0000	\$138.5999
September 2017	2,400	\$4,979.52	-	\$6,750.00	\$11,729.52	\$5,137.92	\$ -	\$6,750.00	\$11,887.92	\$158.4000	\$0.0000	\$0.0000	\$158.4000
October 2017	2,400	\$4,979.52	-	\$6,750.00	\$11,729.52	\$5,137.92	\$ -	\$6,750.00	\$11,887.92	\$158.4000	\$0.0000	\$0.0000	\$158.4000
November 2017	2,900	\$6,016.92	-	\$6,750.00	\$12,766.92	\$6,208.32	\$ -	\$6,750.00	\$12,958.32	\$191.3999	\$0.0000	\$0.0000	\$191.3999
	35,600	\$73,862.88	\$0.00	\$81,000.00	\$154,862.88	\$76,212.48	\$0.00	\$81,000.00	\$157,212.48	\$2,349.60	\$0.00	\$ -	\$2,349.5995

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$836.12	\$0.00	\$0.00	\$836.12	(\$836.1200)	\$0.0000		(\$836.1200)
January 2017	\$62.87	\$0.00	\$0.00	\$62.87	(\$62.8700)	\$0.0000		(\$62.8700)
February 2017	\$88.01	\$0.00	\$0.00	\$88.01	(\$88.0100)	\$0.0000		(\$88.0100)
March 2017	\$94.30	\$0.00	\$0.00	\$94.30	(\$94.3000)	\$0.0000		(\$94.3000)
April 2017	\$119.45	\$0.00	\$0.00	\$119.45	(\$119.4500)	\$0.0000		(\$119.4500)
May 2017	\$138.31	\$0.00	\$0.00	\$138.31	(\$138.3100)	\$0.0000		(\$138.3100)
June 2017	\$150.88	\$0.00	\$0.00	\$150.88	(\$150.8800)	\$0.0000		(\$150.8800)
July 2017	\$132.02	\$0.00	\$0.00	\$132.02	(\$132.0200)	\$0.0000		(\$132.0200)
August 2017	\$132.02	\$0.00	\$0.00	\$132.02	(\$132.0200)	\$0.0000		(\$132.0200)
September 2017	\$150.88	\$0.00	\$0.00	\$150.88	(\$150.8800)	\$0.0000		(\$150.8800)
October 2017	\$150.88	\$0.00	\$0.00	\$150.88	(\$150.8800)	\$0.0000		(\$150.8800)
November 2017	\$182.31	\$0.00	\$0.00	\$182.31	(\$182.3100)	\$0.0000		(\$182.3100)
	\$2,238.05	\$0.00	\$0.00	\$2,238.05	(\$2,238.0500)	\$0.0000	\$ -	(\$2,238.0500)
Recoupment Totals -					\$111.5495	\$0.0000	\$0.0000	\$111.5495

Total of Recoupment/Refund - \$ 111.55

Permanent Volumetric Charge - \$ 2.1408

WICA Percentage Billed 3.03%

2017 PWW Recoupment Model for 2015 Test Year-to include with filing
12/7/2017 12:44 PM

Milford

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**Recoupment
Permanent Rate Increase**

Hudson Contract

PWW

Nashua

Bills Rendered

12/7/2016

Increase

3.18%

Bill Date

12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Contract Fee	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Contract Fee	Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Contract Fee Recoup	Total Recoup
December 2016	0	\$0.00	-	\$2,733.33	\$2,733.33	\$0.00	\$-	\$2,733.33	\$2,733.33	\$0.0000	\$0.0000	\$0.0000	\$0.0000
January 2017	0	\$0.00	-	\$2,733.33	\$2,733.33	\$0.00	\$-	\$2,733.33	\$2,733.33	\$0.0000	\$0.0000	\$0.0000	\$0.0000
February 2017	0	\$0.00	-	\$2,733.33	\$2,733.33	\$0.00	\$-	\$2,733.33	\$2,733.33	\$0.0000	\$0.0000	\$0.0000	\$0.0000
March 2017	0	\$0.00	-	\$2,733.33	\$2,733.33	\$0.00	\$-	\$2,733.33	\$2,733.33	\$0.0000	\$0.0000	\$0.0000	\$0.0000
April 2017	0	\$0.00	-	\$2,733.33	\$2,733.33	\$0.00	\$-	\$2,733.33	\$2,733.33	\$0.0000	\$0.0000	\$0.0000	\$0.0000
May 2017	0	\$0.00	-	\$2,733.33	\$2,733.33	\$0.00	\$-	\$2,733.33	\$2,733.33	\$0.0000	\$0.0000	\$0.0000	\$0.0000
June 2017	9,605	\$20,114.79	-	\$2,733.33	\$22,848.12	\$20,754.48	\$-	\$2,733.33	\$23,487.81	\$639.6930	\$0.0000	\$0.0000	\$639.6930
July 2017	32,525	\$68,113.86	-	\$2,733.33	\$70,847.19	\$70,280.02	\$-	\$2,733.33	\$73,013.35	\$2,166.1650	\$0.0000	\$0.0000	\$2,166.1650
August 2017	32,610	\$68,291.86	-	\$2,733.33	\$71,025.19	\$70,463.69	\$-	\$2,733.33	\$73,197.02	\$2,171.8260	\$0.0000	\$0.0000	\$2,171.8260
September 2017	39,840	\$83,432.93	-	\$2,733.33	\$86,166.26	\$86,086.27	\$-	\$2,733.33	\$88,819.60	\$2,653.3440	\$0.0000	\$0.0000	\$2,653.3440
October 2017	21,092	\$44,170.87	-	\$2,733.33	\$46,904.20	\$45,575.59	\$-	\$2,733.33	\$48,308.92	\$1,404.7272	\$0.0000	\$0.0000	\$1,404.7272
November 2017	8,698	\$18,215.35	-	\$2,733.33	\$20,948.68	\$18,794.64	\$-	\$2,733.33	\$21,527.97	\$579.2868	\$0.0000	\$0.0000	\$579.2868
	144,370	\$302,339.65	\$0.00	\$32,799.96	\$335,139.61	\$311,954.70	\$0.00	\$32,799.96	\$344,754.66	\$9,615.04	\$0.00	\$-	\$9,615.0420

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000		\$0.0000
January 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000		\$0.0000
February 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000		\$0.0000
March 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000		\$0.0000
April 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000		\$0.0000
May 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000		\$0.0000
June 2017	\$609.48	\$0.00	\$0.00	\$609.48	(\$609.4800)	\$0.0000		(\$609.4800)
July 2017	\$2,063.85	\$0.00	\$0.00	\$2,063.85	(\$2,063.8500)	\$0.0000		(\$2,063.8500)
August 2017	\$2,069.24	\$0.00	\$0.00	\$2,069.24	(\$2,069.2400)	\$0.0000		(\$2,069.2400)
September 2017	\$2,528.02	\$0.00	\$0.00	\$2,528.02	(\$2,528.0200)	\$0.0000		(\$2,528.0200)
October 2017	\$1,338.38	\$0.00	\$0.00	\$1,338.38	(\$1,338.3800)	\$0.0000		(\$1,338.3800)
November 2017	\$551.93	\$0.00	\$0.00	\$551.93	(\$551.9300)	\$0.0000		(\$551.9300)
	\$9,160.90	\$0.00	\$0.00	\$9,160.90	(\$9,160.9000)	\$0.0000	\$-	(\$9,160.9000)
Recoupment Totals -					\$454.1420	\$0.0000	\$0.0000	\$454.1420

Total of Recoupment/Refund - \$ **454.14**

Permanent Volumetric Charge - \$ 2.1608

WICA Percentage Billed 3.03%

2017 PWW Recoupment Model for 2015 Test Year-to include with filing
12/7/2017 12:44 PM

Hudson

PWW009 of 24

**Recoupment
Permanent Rate Increase**

Tyngsborough Contract

PWW

Nashua

Bills Rendered
12/7/2016

Increase 1.37%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage over Base at Orig Rate	Mthly Flat Charge	Base Fee	Total Org Rate	Usage over Base \$ at Perm Rate	Mthly Flat Charge at Perm Rate	Base Fee at Perm Rate	Total at Perm Rate	Usage over Base \$ Recoup	Mthly Flat Chrg Recoup	Base Fee Recoup	Total Recoup
December 2016	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
January 2017	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
February 2017	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
March 2017	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
April 2017	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
May 2017	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
June 2017	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
July 2017	4,947	\$10,393.65	38.75	\$21,358.76	\$31,791.16	\$10,537.11	\$ 39.28	\$ 21,651.38	\$32,227.77	\$143.4630	\$0.5300	\$292.6200	\$436.6130
August 2017	5,742	\$12,063.94	38.75	\$21,358.76	\$33,461.45	\$12,230.46	\$ 39.28	\$ 21,651.38	\$33,921.12	\$166.5180	\$0.5300	\$292.6200	\$459.6680
September 2017	6,162	\$12,946.36	38.75	\$21,358.76	\$34,343.87	\$13,125.06	\$ 39.28	\$ 21,651.38	\$34,815.72	\$178.6980	\$0.5300	\$292.6200	\$471.8480
October 2017	1,912	\$4,017.11	38.75	\$21,358.76	\$25,414.62	\$4,072.56	\$ 39.28	\$ 21,651.38	\$25,763.22	\$55.4479	\$0.5300	\$292.6200	\$348.5979
November 2017	0	\$0.00	38.75	\$21,358.76	\$21,397.51	\$0.00	\$ 39.28	\$ 21,651.38	\$21,690.66	\$0.0000	\$0.5300	\$292.6200	\$293.1500
	18,763	\$39,421.06	\$465.00	\$256,305.12	\$296,191.18	\$39,965.19	\$471.36	\$259,816.56	\$300,253.11	\$544.13	\$6.36	\$ 3,511.4400	\$4,061.9269

Refund on WICA

	WICA Billed				WICA Refund			
	Usage over Base	WICA Billed for Mthly Flat	WICA Billed for Base Fee	Total WICA	Usage over Base \$ Refund	Flat Fee Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
January 2017	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
February 2017	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
March 2017	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
April 2017	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
May 2017	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
June 2017	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
July 2017	\$126.80	\$0.47	\$260.58	\$387.85	(\$126.8000)	(\$0.4700)	(\$260.5800)	(\$387.8500)
August 2017	\$147.18	\$0.47	\$260.58	\$408.23	(\$147.1800)	(\$0.4700)	(\$260.5800)	(\$408.2300)
September 2017	\$157.95	\$0.47	\$260.58	\$419.00	(\$157.9500)	(\$0.4700)	(\$260.5800)	(\$419.0000)
October 2017	\$49.01	\$0.47	\$260.58	\$310.06	(\$49.0100)	(\$0.4700)	(\$260.5800)	(\$310.0600)
November 2017	\$0.00	\$0.47	\$260.58	\$261.05	\$0.0000	(\$0.4700)	(\$260.5800)	(\$261.0500)
	\$480.94	\$5.64	\$3,126.96	\$3,613.54	(\$480.9400)	(\$5.6400)	\$(3,126.9600)	\$(3,613.5400)
					Recoupment Totals -			
					\$63.1869	\$0.7200	\$384.4800	\$448.3869

Total of Recoupment/Refund - \$ **448.39**

Permanent Volumetric Charge - \$ 2.1300
 Permanent Mthly Flat Charge \$ 39.28
 Permanent Base Fee \$ 21,651.38
 WICA Percentage Billed 1.22%

Recoupment
Permanent Rate Increase

1 1/2 " Meter and 6" FS

Commerical

PWW

Nashua

Bills Rendered
12/7/2016
Increase 3.18%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire Service at Orig Rate	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire Service at Perm Rate	Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Private Fire Service Recoup	Total Recoup
December 2016	60	\$198.00	91.91	\$93.77	\$383.68	\$204.00	\$ 94.83	\$ 96.75	\$395.58	\$6.0000	\$2.9200	\$ 2.9800	\$11.9000
January 2017	60	\$198.00	91.91	\$93.77	\$383.68	\$204.00	\$ 94.83	\$ 96.75	\$395.58	\$6.0000	\$2.9200	\$ 2.9800	\$11.9000
February 2017	50	\$165.00	91.91	\$93.77	\$350.68	\$170.00	\$ 94.83	\$ 96.75	\$361.58	\$5.0000	\$2.9200	\$ 2.9800	\$10.9000
March 2017	50	\$165.00	91.91	\$93.77	\$350.68	\$170.00	\$ 94.83	\$ 96.75	\$361.58	\$5.0000	\$2.9200	\$ 2.9800	\$10.9000
April 2017	60	\$198.00	91.91	\$93.77	\$383.68	\$204.00	\$ 94.83	\$ 96.75	\$395.58	\$6.0000	\$2.9200	\$ 2.9800	\$11.9000
May 2017	40	\$132.00	91.91	\$93.77	\$317.68	\$136.00	\$ 94.83	\$ 96.75	\$327.58	\$4.0000	\$2.9200	\$ 2.9800	\$9.9000
June 2017	70	\$231.00	91.91	\$93.77	\$416.68	\$238.00	\$ 94.83	\$ 96.75	\$429.58	\$7.0000	\$2.9200	\$ 2.9800	\$12.9000
July 2017	60	\$198.00	91.91	\$93.77	\$383.68	\$204.00	\$ 94.83	\$ 96.75	\$395.58	\$6.0000	\$2.9200	\$ 2.9800	\$11.9000
August 2017	70	\$231.00	91.91	\$93.77	\$416.68	\$238.00	\$ 94.83	\$ 96.75	\$429.58	\$7.0000	\$2.9200	\$ 2.9800	\$12.9000
September 2017	50	\$165.00	91.91	\$93.77	\$350.68	\$170.00	\$ 94.83	\$ 96.75	\$361.58	\$5.0000	\$2.9200	\$ 2.9800	\$10.9000
October 2017	40	\$132.00	91.91	\$93.77	\$317.68	\$136.00	\$ 94.83	\$ 96.75	\$327.58	\$4.0000	\$2.9200	\$ 2.9800	\$9.9000
November 2017	50	\$165.00	91.91	\$93.77	\$350.68	\$170.00	\$ 94.83	\$ 96.75	\$361.58	\$5.0000	\$2.9200	\$ 2.9800	\$10.9000
	660	\$2,178.00	\$1,102.92	\$1,125.24	\$4,406.16	\$2,244.00	\$1,137.96	\$1,161.00	\$4,542.96	\$66.0000	\$35.0400	\$ 35.7600	\$136.8000

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$6.00	\$2.78	\$2.84	\$11.62	(\$6.0000)	(\$2.7800)	\$ (2.8400)	(\$11.6200)
January 2017	\$6.00	\$2.78	\$2.84	\$11.62	(\$6.0000)	(\$2.7800)	\$ (2.8400)	(\$11.6200)
February 2017	\$5.00	\$2.78	\$2.84	\$10.62	(\$5.0000)	(\$2.7800)	\$ (2.8400)	(\$10.6200)
March 2017	\$5.00	\$2.78	\$2.84	\$10.62	(\$5.0000)	(\$2.7800)	\$ (2.8400)	(\$10.6200)
April 2017	\$6.00	\$2.78	\$2.84	\$11.62	(\$6.0000)	(\$2.7800)	\$ (2.8400)	(\$11.6200)
May 2017	\$4.00	\$2.78	\$2.84	\$9.62	(\$4.0000)	(\$2.7800)	\$ (2.8400)	(\$9.6200)
June 2017	\$7.00	\$2.78	\$2.84	\$12.62	(\$7.0000)	(\$2.7800)	\$ (2.8400)	(\$12.6200)
July 2017	\$6.00	\$2.78	\$2.84	\$11.62	(\$6.0000)	(\$2.7800)	\$ (2.8400)	(\$11.6200)
August 2017	\$7.00	\$2.78	\$2.84	\$12.62	(\$7.0000)	(\$2.7800)	\$ (2.8400)	(\$12.6200)
September 2017	\$5.00	\$2.78	\$2.84	\$10.62	(\$5.0000)	(\$2.7800)	\$ (2.8400)	(\$10.6200)
October 2017	\$4.00	\$2.78	\$2.84	\$9.62	(\$4.0000)	(\$2.7800)	\$ (2.8400)	(\$9.6200)
November 2017	\$5.00	\$2.78	\$2.84	\$10.62	(\$5.0000)	(\$2.7800)	\$ (2.8400)	(\$10.6200)
	\$66.00	\$33.36	\$34.08	\$133.44	(\$66.0000)	(\$33.3600)	\$ (34.0800)	(\$133.4400)
Recoupment Totals -					\$0.0000	\$1.6800	\$1.6800	\$3.3600

Total of Recoupment/Refund - \$ 3.36

Permanent 1 1/2" Meter Charge - \$ 94.83
Permanent Volumetric Charge - \$ 3.40
Permanent 6" Fire Service Charge - \$ 96.75

WICA Percentage Billed 3.03%

**Recoupment
Permanent Rate Increase**

6" FS

Industrial

PWW

Nashua

Bills Rendered

12/7/2016

Increase

3.18%

Bill Date

12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate					Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire		Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire		Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Private Fire	
				Service at Orig Rate	Total Org Rate			Service at Perm Rate					Service Recoup	Total Recoup
December 2016	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
January 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
February 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
March 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
April 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
May 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
June 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
July 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
August 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
September 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
October 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
November 2017	0	\$0.00	-	\$93.77	\$93.77	\$0.00	\$-	\$96.75		\$96.75	\$0.0000	\$0.0000	\$2.9800	\$2.9800
	-	\$0.00	\$0.00	\$1,125.24	\$1,125.24	\$0.00	\$0.00	\$1,161.00		\$1,161.00	\$0.00	\$0.00	\$35.7600	\$35.7600

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust		Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire	
		Charg	for Priv Fire				Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
January 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
February 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
March 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
April 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
May 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
June 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
July 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
August 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
September 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
October 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
November 2017	\$0.00	\$0.00	\$2.84	\$2.84	\$0.0000	\$0.0000	\$(2.8400)	\$(2.8400)
	\$0.00	\$0.00	\$34.08	\$34.08	\$0.0000	\$0.0000	\$(34.0800)	\$(34.0800)
Recoupment Totals -					\$0.0000	\$0.0000	\$1.6800	\$1.6800

Total of Recoupment/Refund - \$ 1.68

Permanent 6" Fire Service Charge - \$ 96.75

WICA Percentage Billed 3.03%

**Recoupment
Permanent Rate Increase**

6" Mtr Industrial PWW Nashua

Bills Rendered Increase 3.18%
12/7/2016 Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire Service at Orig Rate	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire Service at Perm Rate	Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Private Fire Service Recoup	Total Recoup
December 2016	2,475	\$8,167.50	903.02	\$0.00	\$9,070.52	\$8,415.00	\$ 931.74	\$0.00	\$9,346.74	\$247.5000	\$28.7200	\$ -	\$276.2200
January 2017	1,890	\$6,237.00	903.02	\$0.00	\$7,140.02	\$6,426.00	\$ 931.74	\$0.00	\$7,357.74	\$189.0000	\$28.7200	\$ -	\$217.7200
February 2017	2,315	\$7,639.50	903.02	\$0.00	\$8,542.52	\$7,871.00	\$ 931.74	\$0.00	\$8,802.74	\$231.5000	\$28.7200	\$ -	\$260.2200
March 2017	3,260	\$10,758.00	903.02	\$0.00	\$11,661.02	\$11,084.00	\$ 931.74	\$0.00	\$12,015.74	\$326.0000	\$28.7200	\$ -	\$354.7200
April 2017	3,495	\$11,533.50	903.02	\$0.00	\$12,436.52	\$11,883.00	\$ 931.74	\$0.00	\$12,814.74	\$349.5000	\$28.7200	\$ -	\$378.2200
May 2017	2,830	\$9,339.00	903.02	\$0.00	\$10,242.02	\$9,622.00	\$ 931.74	\$0.00	\$10,553.74	\$283.0000	\$28.7200	\$ -	\$311.7200
June 2017	3,965	\$13,084.50	903.02	\$0.00	\$13,987.52	\$13,481.00	\$ 931.74	\$0.00	\$14,412.74	\$396.5000	\$28.7200	\$ -	\$425.2200
July 2017	3,165	\$10,444.50	903.02	\$0.00	\$11,347.52	\$10,761.00	\$ 931.74	\$0.00	\$11,692.74	\$316.5000	\$28.7200	\$ -	\$345.2200
August 2017	3,995	\$13,183.50	903.02	\$0.00	\$14,086.52	\$13,583.00	\$ 931.74	\$0.00	\$14,514.74	\$399.5000	\$28.7200	\$ -	\$428.2200
September 2017	4,695	\$15,493.50	903.02	\$0.00	\$16,396.52	\$15,963.00	\$ 931.74	\$0.00	\$16,894.74	\$469.5000	\$28.7200	\$ -	\$498.2200
October 2017	3,610	\$11,913.00	903.02	\$0.00	\$12,816.02	\$12,274.00	\$ 931.74	\$0.00	\$13,205.74	\$361.0000	\$28.7200	\$ -	\$389.7200
November 2017	3,105	\$10,246.50	903.02	\$0.00	\$11,149.52	\$10,557.00	\$ 931.74	\$0.00	\$11,488.74	\$310.5000	\$28.7200	\$ -	\$339.2200
	38,800	\$128,040.00	\$10,836.24	\$0.00	\$138,876.24	\$131,920.00	\$11,180.88	\$0.00	\$143,100.88	\$3,880.00	\$344.64	\$ -	\$4,224.6400

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$247.48	\$27.36	\$0.00	\$274.84	(\$247.4800)	(\$27.3600)	\$ -	(\$274.8400)
January 2017	\$188.98	\$27.36	\$0.00	\$216.34	(\$188.9800)	(\$27.3600)	\$ -	(\$216.3400)
February 2017	\$231.48	\$27.36	\$0.00	\$258.84	(\$231.4800)	(\$27.3600)	\$ -	(\$258.8400)
March 2017	\$325.97	\$27.36	\$0.00	\$353.33	(\$325.9700)	(\$27.3600)	\$ -	(\$353.3300)
April 2017	\$349.47	\$27.36	\$0.00	\$376.83	(\$349.4700)	(\$27.3600)	\$ -	(\$376.8300)
May 2017	\$282.97	\$27.36	\$0.00	\$310.33	(\$282.9700)	(\$27.3600)	\$ -	(\$310.3300)
June 2017	\$396.46	\$27.36	\$0.00	\$423.82	(\$396.4600)	(\$27.3600)	\$ -	(\$423.8200)
July 2017	\$316.47	\$27.36	\$0.00	\$343.83	(\$316.4700)	(\$27.3600)	\$ -	(\$343.8300)
August 2017	\$399.46	\$27.36	\$0.00	\$426.82	(\$399.4600)	(\$27.3600)	\$ -	(\$426.8200)
September 2017	\$469.45	\$27.36	\$0.00	\$496.81	(\$469.4500)	(\$27.3600)	\$ -	(\$496.8100)
October 2017	\$360.96	\$27.36	\$0.00	\$388.32	(\$360.9600)	(\$27.3600)	\$ -	(\$388.3200)
November 2017	\$310.47	\$27.36	\$0.00	\$337.83	(\$310.4700)	(\$27.3600)	\$ -	(\$337.8300)
	\$3,879.62	\$328.32	\$0.00	\$4,207.94	(\$3,879.6200)	(\$328.3200)	\$ -	(\$4,207.9400)
Recoupment Totals -					\$0.3800	\$16.3200	\$0.0000	\$16.7000

Total of Recoupment/Refund - \$ 16.70

Permanent 6" Meter Charge - \$ 931.74
Permanent Volumetric Charge - \$ 3.40

WICA Percentage Billed 3.03%

Recoupment
Permanent Rate Increase

5/8" Mtr Single Family Residential CWS Cabot Preserve

Bills Rendered
12/7/2016 Increase 3.18%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate					Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire Service at Orig Rate	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire Service at Perm Rate	Total at Perm Rate		Usage \$ Recoup	Cust Chrg Recoup	Private Fire Service Recoup	Total Recoup
December 2016	6	\$19.80	20.34	\$0.00	\$40.14	\$20.40	\$ 20.99	\$0.00	\$41.39		\$0.6000	\$0.6499	\$ -	\$1.2499
January 2017	5	\$16.50	20.34	\$0.00	\$36.84	\$17.00	\$ 20.99	\$0.00	\$37.99		\$0.5000	\$0.6499	\$ -	\$1.1499
February 2017	6	\$19.80	20.34	\$0.00	\$40.14	\$20.40	\$ 20.99	\$0.00	\$41.39		\$0.6000	\$0.6499	\$ -	\$1.2499
March 2017	6	\$19.80	20.34	\$0.00	\$40.14	\$20.40	\$ 20.99	\$0.00	\$41.39		\$0.6000	\$0.6499	\$ -	\$1.2499
April 2017	7	\$23.10	20.34	\$0.00	\$43.44	\$23.80	\$ 20.99	\$0.00	\$44.79		\$0.7000	\$0.6499	\$ -	\$1.3499
May 2017	5	\$16.50	20.34	\$0.00	\$36.84	\$17.00	\$ 20.99	\$0.00	\$37.99		\$0.5000	\$0.6499	\$ -	\$1.1499
June 2017	19	\$62.70	20.34	\$0.00	\$83.04	\$64.60	\$ 20.99	\$0.00	\$85.59		\$1.9000	\$0.6499	\$ -	\$2.5499
July 2017	21	\$69.30	20.34	\$0.00	\$89.64	\$71.40	\$ 20.99	\$0.00	\$92.39		\$2.0999	\$0.6499	\$ -	\$2.7498
August 2017	20	\$66.00	20.34	\$0.00	\$86.34	\$68.00	\$ 20.99	\$0.00	\$88.99		\$2.0000	\$0.6499	\$ -	\$2.6499
September 2017	23	\$75.90	20.34	\$0.00	\$96.24	\$78.20	\$ 20.99	\$0.00	\$99.19		\$2.3000	\$0.6499	\$ -	\$2.9499
October 2017	9	\$29.70	20.34	\$0.00	\$50.04	\$30.60	\$ 20.99	\$0.00	\$51.59		\$0.8999	\$0.6499	\$ -	\$1.5498
November 2017	3	\$9.90	20.34	\$0.00	\$30.24	\$10.20	\$ 20.99	\$0.00	\$31.19		\$0.3000	\$0.6499	\$ -	\$0.9499
	130	\$429.00	\$244.08	\$0.00	\$673.08	\$442.00	\$251.88	\$0.00	\$693.88		\$13.00	\$7.80	\$ -	\$20.7986

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Charge	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
January 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
February 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
March 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
April 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
May 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
June 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
July 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
August 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
September 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
October 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
November 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
Recoupment Totals -					\$12.9998	\$7.7988	\$0.0000	\$20.7986

Total of Recoupment/Refund - \$ **20.80**
Mthly Recoupment - \$ 1.73

Permanent 5/8" Meter Charge - \$ 20.99
Permanent Volumetric Charge - \$ 3.40

WICA Percentage Billed 0.00%

**Recoupment
Permanent Rate Increase**

3/4" Mtr Commercial

CWS

Souhegan Woods

Bills Rendered

12/7/2016

Increase

3.18%

Bill Date

12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Private Fire		Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire		Usage \$ Recoup	Cust Chrg Recoup	Private Fire	
			Cust Chrg at Orig Rate	Service at Orig Rate				Service at Perm Rate	Total at Perm Rate			Service Recoup	Total Recoup
December 2016	8	\$26.40	29.28	\$0.00	\$55.68	\$27.20	\$ 30.21	\$0.00	\$57.41	\$0.8000	\$0.9300	\$ -	\$1.7300
January 2017	1	\$3.30	29.28	\$0.00	\$32.58	\$3.40	\$ 30.21	\$0.00	\$33.61	\$0.1000	\$0.9300	\$ -	\$1.0300
February 2017	1	\$3.30	29.28	\$0.00	\$32.58	\$3.40	\$ 30.21	\$0.00	\$33.61	\$0.1000	\$0.9300	\$ -	\$1.0300
March 2017	16	\$52.80	29.28	\$0.00	\$82.08	\$54.40	\$ 30.21	\$0.00	\$84.61	\$1.6000	\$0.9300	\$ -	\$2.5300
April 2017	1	\$3.30	29.28	\$0.00	\$32.58	\$3.40	\$ 30.21	\$0.00	\$33.61	\$0.1000	\$0.9300	\$ -	\$1.0300
May 2017	11	\$36.30	29.28	\$0.00	\$65.58	\$37.40	\$ 30.21	\$0.00	\$67.61	\$1.1000	\$0.9300	\$ -	\$2.0300
June 2017	23	\$75.90	29.28	\$0.00	\$105.18	\$78.20	\$ 30.21	\$0.00	\$108.41	\$2.3000	\$0.9300	\$ -	\$3.2300
July 2017	26	\$85.80	29.28	\$0.00	\$115.08	\$88.40	\$ 30.21	\$0.00	\$118.61	\$2.5999	\$0.9300	\$ -	\$3.5299
August 2017	20	\$66.00	29.28	\$0.00	\$95.28	\$68.00	\$ 30.21	\$0.00	\$98.21	\$2.0000	\$0.9300	\$ -	\$2.9300
September 2017	29	\$95.70	29.28	\$0.00	\$124.98	\$98.60	\$ 30.21	\$0.00	\$128.81	\$2.9000	\$0.9300	\$ -	\$3.8300
October 2017	25	\$82.50	29.28	\$0.00	\$111.78	\$85.00	\$ 30.21	\$0.00	\$115.21	\$2.5000	\$0.9300	\$ -	\$3.4300
November 2017	16	\$52.80	29.28	\$0.00	\$82.08	\$54.40	\$ 30.21	\$0.00	\$84.61	\$1.6000	\$0.9300	\$ -	\$2.5300
	177	\$584.10	\$351.36	\$0.00	\$935.46	\$601.80	\$362.52	\$0.00	\$964.32	\$17.70	\$11.16	\$ -	\$28.8599

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
January 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
February 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
March 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
April 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
May 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
June 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
July 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
August 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
September 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
October 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
November 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
Recoupment Totals -					\$17.6999	\$11.1600	\$0.0000	\$28.8599

Total of Recoupment/Refund - \$ 28.86
Mthly Recoupment - \$ 2.40

Permanent 3/4" Meter Charge - \$ 30.21
Permanent Volumetric Charge - \$ 3.40

WICA Percentage Billed 0.00%

**Recoupment
Permanent Rate Increase**

2 - 6" FS Commercial

CWS

Souhegan Woods

Bills Rendered
12/7/2016

Increase 3.18%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate					Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire Service at Orig Rate	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire Service at Perm Rate	Total at Perm Rate		Usage \$ Recoup	Cust Chrg Recoup	Private Fire Service Recoup	Total Recoup
December 2016	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
January 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
February 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
March 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
April 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
May 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
June 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
July 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
August 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
September 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
October 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
November 2017	0	\$0.00	-	\$187.54	\$187.54	\$0.00	\$-	\$193.50	\$193.50		\$0.0000	\$0.0000	\$5.9600	\$5.9600
	-	\$0.00	\$0.00	\$2,250.48	\$2,250.48	\$0.00	\$0.00	\$2,322.00	\$2,322.00		\$0.00	\$0.00	\$71.5200	\$71.5200

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
January 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
February 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
March 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
April 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
May 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
June 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
July 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
August 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
September 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
October 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
November 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$-	\$0.0000
Recoupment Totals -					\$0.0000	\$0.0000	\$71.5200	\$71.5200

Total of Recoupment/Refund - \$ **71.52**
Mthly Recoupment - \$ 5.96

Permanent 6" Meter Charge - \$ 931.74
Permanent Volumetric Charge - \$ 3.40
Permanent 6" Fire Service Charge - \$ 96.75

WICA Percentage Billed 0.00%

**Recoupment
Permanent Rate Increase**

5/8" Mtr Residential Mutli-Family PWW Nashua

Bills Rendered Increase 3.18%
12/7/2016 Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Private Fire		Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire		Usage \$ Recoup	Private Fire		Total Recoup
			Service at Orig Rate					Service at Perm Rate	Total at Perm Rate		Cust Chrg Recoup	Service Recoup	
December 2016	21	\$69.30	20.34	\$0.00	\$89.64	\$71.40	\$ 20.99	\$0.00	\$92.39	\$2.0999	\$0.6499	\$ -	\$2.7498
January 2017	17	\$56.10	20.34	\$0.00	\$76.44	\$57.80	\$ 20.99	\$0.00	\$78.79	\$1.7000	\$0.6499	\$ -	\$2.3499
February 2017	16	\$52.80	20.34	\$0.00	\$73.14	\$54.40	\$ 20.99	\$0.00	\$75.39	\$1.6000	\$0.6499	\$ -	\$2.2499
March 2017	17	\$56.10	20.34	\$0.00	\$76.44	\$57.80	\$ 20.99	\$0.00	\$78.79	\$1.7000	\$0.6499	\$ -	\$2.3499
April 2017	18	\$59.40	20.34	\$0.00	\$79.74	\$61.20	\$ 20.99	\$0.00	\$82.19	\$1.8000	\$0.6499	\$ -	\$2.4499
May 2017	14	\$46.20	20.34	\$0.00	\$66.54	\$47.60	\$ 20.99	\$0.00	\$68.59	\$1.4000	\$0.6499	\$ -	\$2.0499
June 2017	13	\$42.90	20.34	\$0.00	\$63.24	\$44.20	\$ 20.99	\$0.00	\$65.19	\$1.3000	\$0.6499	\$ -	\$1.9499
July 2017	17	\$56.10	20.34	\$0.00	\$76.44	\$57.80	\$ 20.99	\$0.00	\$78.79	\$1.7000	\$0.6499	\$ -	\$2.3499
August 2017	16	\$52.80	20.34	\$0.00	\$73.14	\$54.40	\$ 20.99	\$0.00	\$75.39	\$1.6000	\$0.6499	\$ -	\$2.2499
September 2017	20	\$66.00	20.34	\$0.00	\$86.34	\$68.00	\$ 20.99	\$0.00	\$88.99	\$2.0000	\$0.6499	\$ -	\$2.6499
October 2017	16	\$52.80	20.34	\$0.00	\$73.14	\$54.40	\$ 20.99	\$0.00	\$75.39	\$1.6000	\$0.6499	\$ -	\$2.2499
November 2017	17	\$56.10	20.34	\$0.00	\$76.44	\$57.80	\$ 20.99	\$0.00	\$78.79	\$1.7000	\$0.6499	\$ -	\$2.3499
	202	\$666.60	\$244.08	\$0.00	\$910.68	\$686.80	\$251.88	\$0.00	\$938.68	\$20.20	\$7.80	\$ -	\$27.9987

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$2.10	\$0.62	\$0.00	\$2.72	(\$2.1000)	(\$0.6200)	\$ -	(\$2.7200)
January 2017	\$1.70	\$0.62	\$0.00	\$2.32	(\$1.7000)	(\$0.6200)	\$ -	(\$2.3200)
February 2017	\$1.60	\$0.62	\$0.00	\$2.22	(\$1.6000)	(\$0.6200)	\$ -	(\$2.2200)
March 2017	\$1.70	\$0.62	\$0.00	\$2.32	(\$1.7000)	(\$0.6200)	\$ -	(\$2.3200)
April 2017	\$1.80	\$0.62	\$0.00	\$2.42	(\$1.8000)	(\$0.6200)	\$ -	(\$2.4200)
May 2017	\$1.40	\$0.62	\$0.00	\$2.02	(\$1.4000)	(\$0.6200)	\$ -	(\$2.0200)
June 2017	\$1.30	\$0.62	\$0.00	\$1.92	(\$1.3000)	(\$0.6200)	\$ -	(\$1.9200)
July 2017	\$1.70	\$0.62	\$0.00	\$2.32	(\$1.7000)	(\$0.6200)	\$ -	(\$2.3200)
August 2017	\$1.60	\$0.62	\$0.00	\$2.22	(\$1.6000)	(\$0.6200)	\$ -	(\$2.2200)
September 2017	\$2.00	\$0.62	\$0.00	\$2.62	(\$2.0000)	(\$0.6200)	\$ -	(\$2.6200)
October 2017	\$1.60	\$0.62	\$0.00	\$2.22	(\$1.6000)	(\$0.6200)	\$ -	(\$2.2200)
November 2017	\$1.70	\$0.62	\$0.00	\$2.32	(\$1.7000)	(\$0.6200)	\$ -	(\$2.3200)
	\$20.20	\$7.44	\$0.00	\$27.64	(\$20.2000)	(\$7.4400)	\$ -	(\$27.6400)
Recoupment Totals -					\$0.0000	\$0.3588	\$0.0000	\$0.3586

Total of Recoupment/Refund - \$ 0.36

Permanent 5/8" Meter Charge - \$ 20.99
Permanent Volumetric Charge - \$ 3.40

WICA Percentage Billed 3.03%

**Recoupment
Permanent Rate Increase**

2" FS

Multi Family

PWW

Nashua

Bills Rendered
12/7/2016

Increase 3.18%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate					Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire Service at Orig Rate	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire Service at Perm Rate	Total at Perm Rate		Usage \$ Recoup	Cust Chrg Recoup	Private Fire Service Recoup	Total Recoup
December 2016	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
January 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
February 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
March 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
April 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
May 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
June 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
July 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
August 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
September 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
October 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
November 2017	0	\$0.00	-	\$55.88	\$55.88	\$0.00	\$-	\$ 57.66	\$57.66		\$0.0000	\$0.0000	\$ 1.7799	\$1.7799
	-	\$0.00	\$0.00	\$670.56	\$670.56	\$0.00	\$0.00	\$691.92	\$691.92		\$0.00	\$0.00	\$ 21.3588	\$21.3588

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
January 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
February 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
March 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
April 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
May 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
June 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
July 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
August 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
September 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
October 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
November 2017	\$0.00	\$0.00	\$1.69	\$1.69	\$0.0000	\$0.0000	\$ (1.6900)	(\$1.6900)
	\$0.00	\$0.00	\$20.28	\$20.28	\$0.0000	\$0.0000	\$ (20.2800)	(\$20.2800)
Recoupment Totals -					\$0.0000	\$0.0000	\$1.0788	\$1.0788

Total of Recoupment/Refund - \$ 1.08

Permanent 2" Fire Service Charge - \$ 57.66

WICA Percentage Billed 3.03%

**Recoupment
Permanent Rate Increase**

1 1/2" Meter and 2" FS

Residential Multi-Family

PWW

Nashua

Bills Rendered
12/7/2016
Increase 3.18%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Private Fire		Total Org Rate	Usage \$ at Perm Rate	Private Fire		Total at Perm Rate	Usage \$ Recoup	Private Fire		Total Recoup
			Cust Chrg at Orig Rate	Service at Orig Rate			Cust Chrg at Perm Rate	Service at Perm Rate			Cust Chrg Recoup	Service Recoup	
December 2016	80	\$264.00	91.91	\$55.88	\$411.79	\$272.00	\$ 94.83	\$ 57.66	\$424.49	\$8.0000	\$2.9200	\$ 1.7799	\$12.6999
January 2017	70	\$231.00	91.91	\$55.88	\$378.79	\$238.00	\$ 94.83	\$ 57.66	\$390.49	\$7.0000	\$2.9200	\$ 1.7799	\$11.6999
February 2017	50	\$165.00	91.91	\$55.88	\$312.79	\$170.00	\$ 94.83	\$ 57.66	\$322.49	\$5.0000	\$2.9200	\$ 1.7799	\$9.6999
March 2017	60	\$198.00	91.91	\$55.88	\$345.79	\$204.00	\$ 94.83	\$ 57.66	\$356.49	\$6.0000	\$2.9200	\$ 1.7799	\$10.6999
April 2017	70	\$231.00	91.91	\$55.88	\$378.79	\$238.00	\$ 94.83	\$ 57.66	\$390.49	\$7.0000	\$2.9200	\$ 1.7799	\$11.6999
May 2017	60	\$198.00	91.91	\$55.88	\$345.79	\$204.00	\$ 94.83	\$ 57.66	\$356.49	\$6.0000	\$2.9200	\$ 1.7799	\$10.6999
June 2017	80	\$264.00	91.91	\$55.88	\$411.79	\$272.00	\$ 94.83	\$ 57.66	\$424.49	\$8.0000	\$2.9200	\$ 1.7799	\$12.6999
July 2017	60	\$198.00	91.91	\$55.88	\$345.79	\$204.00	\$ 94.83	\$ 57.66	\$356.49	\$6.0000	\$2.9200	\$ 1.7799	\$10.6999
August 2017	60	\$198.00	91.91	\$55.88	\$345.79	\$204.00	\$ 94.83	\$ 57.66	\$356.49	\$6.0000	\$2.9200	\$ 1.7799	\$10.6999
September 2017	60	\$198.00	91.91	\$55.88	\$345.79	\$204.00	\$ 94.83	\$ 57.66	\$356.49	\$6.0000	\$2.9200	\$ 1.7799	\$10.6999
October 2017	60	\$198.00	91.91	\$55.88	\$345.79	\$204.00	\$ 94.83	\$ 57.66	\$356.49	\$6.0000	\$2.9200	\$ 1.7799	\$10.6999
November 2017	50	\$165.00	91.91	\$55.88	\$312.79	\$170.00	\$ 94.83	\$ 57.66	\$322.49	\$5.0000	\$2.9200	\$ 1.7799	\$9.6999
	760	\$2,508.00	\$1,102.92	\$670.56	\$4,281.48	\$2,584.00	\$1,137.96	\$691.92	\$4,413.88	\$76.0000	\$35.0400	\$ 21.3588	\$132.3988

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust		Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire	
		Charg	for Priv Fire				Service Refund	Total Refund of WICA
December 2016	\$8.00	\$2.78	\$1.69	\$12.47	(\$8.0000)	(\$2.7800)	\$ (1.6900)	(\$12.4700)
January 2017	\$7.00	\$2.78	\$1.69	\$11.47	(\$7.0000)	(\$2.7800)	\$ (1.6900)	(\$11.4700)
February 2017	\$5.00	\$2.78	\$1.69	\$9.47	(\$5.0000)	(\$2.7800)	\$ (1.6900)	(\$9.4700)
March 2017	\$6.00	\$2.78	\$1.69	\$10.47	(\$6.0000)	(\$2.7800)	\$ (1.6900)	(\$10.4700)
April 2017	\$7.00	\$2.78	\$1.69	\$11.47	(\$7.0000)	(\$2.7800)	\$ (1.6900)	(\$11.4700)
May 2017	\$6.00	\$2.78	\$1.69	\$10.47	(\$6.0000)	(\$2.7800)	\$ (1.6900)	(\$10.4700)
June 2017	\$8.00	\$2.78	\$1.69	\$12.47	(\$8.0000)	(\$2.7800)	\$ (1.6900)	(\$12.4700)
July 2017	\$6.00	\$2.78	\$1.69	\$10.47	(\$6.0000)	(\$2.7800)	\$ (1.6900)	(\$10.4700)
August 2017	\$6.00	\$2.78	\$1.69	\$10.47	(\$6.0000)	(\$2.7800)	\$ (1.6900)	(\$10.4700)
September 2017	\$6.00	\$2.78	\$1.69	\$10.47	(\$6.0000)	(\$2.7800)	\$ (1.6900)	(\$10.4700)
October 2017	\$6.00	\$2.78	\$1.69	\$10.47	(\$6.0000)	(\$2.7800)	\$ (1.6900)	(\$10.4700)
November 2017	\$5.00	\$2.78	\$1.69	\$9.47	(\$5.0000)	(\$2.7800)	\$ (1.6900)	(\$9.4700)
	\$76.00	\$33.36	\$20.28	\$129.64	(\$76.0000)	(\$33.3600)	(\$20.2800)	(\$129.6400)
Recoupment Totals -					\$0.0000	\$1.6800	\$1.0788	\$2.7588

Total of Recoupment/Refund - \$ 2.76

Permanent 1 1/2" Meter Charge - \$ 94.83
Permanent Volumetric Charge - \$ 3.40
Permanent 2" Fire Service Charge - \$ 57.66

WICA Percentage Billed 3.03%

**Recoupment
Permanent Rate Increase**

8" FS

Commercial

PWW

Nashua

Bills Rendered
12/7/2016

Increase 3.18%
Bill Date 12/7/2016

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire Service at Orig Rate	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire Service at Perm Rate	Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Private Fire Service Recoup	Total Recoup
December 2016	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
January 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
February 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
March 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
April 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
May 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
June 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
July 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
August 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
September 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
October 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
November 2017	0	\$0.00	-	\$138.06	\$138.06	\$0.00	\$-	\$142.45	\$142.45	\$0.0000	\$0.0000	\$4.3899	\$4.3899
	-	\$0.00	\$0.00	\$1,656.72	\$1,656.72	\$0.00	\$0.00	\$1,709.40	\$1,709.40	\$0.00	\$0.00	\$52.6788	\$52.6788

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
January 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
February 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
March 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
April 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
May 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
June 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
July 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
August 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
September 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
October 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
November 2017	\$0.00	\$0.00	\$4.18	\$4.18	\$0.0000	\$0.0000	\$ (4.1800)	(\$4.1800)
	\$0.00	\$0.00	\$50.16	\$50.16	\$0.0000	\$0.0000	\$ (50.1600)	(\$50.1600)
Recoupment Totals -					\$0.0000	\$0.0000	\$2.5188	\$2.5188

Total of Recoupment/Refund - \$ 2.52

Permanent 8" Fire Service Charge - \$ 142.45

WICA Percentage Billed 3.03%

Recoupment
Permanent Rate Increase

4" Compound Meter

Commercial

PWW

Nashua

Bills Rendered
12/7/2016

Increase 3.18%
Bill Date 12/7/2016

New account as of 6/13/17

Recoupment from Original Base Rate to Permanent Base Rate

	Bill at Original Base Rate					Bill at Permanent Base Rate				Calculated Recoupment for Base Rate at Permanent Rate			
	Usage Billed	Usage at Orig Rate	Cust Chrg at Orig Rate	Private Fire	Total Org Rate	Usage \$ at Perm Rate	Cust Chrg at Perm Rate	Private Fire	Total at Perm Rate	Usage \$ Recoup	Cust Chrg Recoup	Private Fire	Total Recoup
				Service at Orig Rate				Service at Perm Rate				Service Recoup	
December 2016		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
January 2017		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
February 2017		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
March 2017		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
April 2017		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
May 2017		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
June 2017		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
July 2017		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
August 2017	0	\$0.00	303.41	\$0.00	\$303.41	\$0.00	\$ 313.04	\$ -	\$313.04	\$0.0000	\$9.6300	\$ -	\$9.6300
September 2017	0	\$0.00	455.09	\$0.00	\$455.09	\$0.00	\$ 469.56	\$ -	\$469.56	\$0.0000	\$14.4700	\$ -	\$14.4700
October 2017	0	\$0.00	455.09	\$0.00	\$455.09	\$0.00	\$ 469.56	\$ -	\$469.56	\$0.0000	\$14.4700	\$ -	\$14.4700
November 2017	0	\$0.00	455.09	\$0.00	\$455.09	\$0.00	\$ 469.56	\$ -	\$469.56	\$0.0000	\$14.4700	\$ -	\$14.4700
	-	\$0.00	\$1,668.68	\$0.00	\$1,668.68	\$0.00	\$1,721.72	\$0.00	\$1,721.72	\$0.0000	\$53.0400	\$ -	\$53.0400

Refund on WICA

	WICA Billed				WICA Refund			
	WICA Billed for Usage	WICA Billed for Cust Chrg	WICA Billed for Priv Fire	Total WICA	Usage \$ Refund	Cust Chrg Refund	Private Fire Service Refund	Total Refund of WICA
December 2016	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
January 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
February 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
March 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
April 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
May 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
June 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
July 2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000	\$0.0000	\$ -	\$0.0000
August 2017	\$0.00	\$9.19	\$0.00	\$9.19	\$0.0000	(\$9.1900)	\$ -	(\$9.1900)
September 2017	\$0.00	\$13.79	\$0.00	\$13.79	\$0.0000	(\$13.7900)	\$ -	(\$13.7900)
October 2017	\$0.00	\$13.79	\$0.00	\$13.79	\$0.0000	(\$13.7900)	\$ -	(\$13.7900)
November 2017	\$0.00	\$13.79	\$0.00	\$13.79	\$0.0000	(\$13.7900)	\$ -	(\$13.7900)
	\$0.00	\$50.56	\$0.00	\$50.56	\$0.0000	(\$50.5600)	\$0.0000	(\$50.5600)
Recoupment Totals -					\$0.0000	\$2.4800	\$0.0000	\$2.4800

Total of Recoupment/Refund - \$ 2.48

Permanent 4" Meter Charge - \$ 469.56
Permanent Volumetric Charge - \$ 3.40

WICA Percentage Billed 3.03%

Cycle 38

Bedford Hydrant Account

3.18%

Actual Billed		Total Recoupment	
Dec-16	14,366.75	456.86	
Jan-17	14,366.75	456.86	
Feb-17	14,366.75	456.86	
Mar-17	14,366.75	456.86	
Apr-17	14,366.75	456.86	
May-17	14,366.75	456.86	
Jun-17	14,366.75	456.86	
Jul-17	14,366.75	456.86	
Aug-17	14,366.75	456.86	
Sep-17	14,366.75	456.86	
Oct-17	14,366.75	456.86	
Nov-17	14,366.75	456.86	
Total	172,401.00	5,482.35	456.86

	2016	2017
# of Hydrants	102	102
Inch Foot Units	1,130,758	1,130,758

	Rate	Charge
Org Hyd Annual	\$ 229.20	23,378.40
Temp Hyd Annual	\$ 229.20	23,378.40
Perm Hyd Annual	\$ 236.52	24,125.04
Step Hyd Annual	\$ 254.40	25,948.80

	Rate	Charge
Org Inch Foot Annual	\$ 0.13179	149,022.60
Temp Inch Foot Annual	\$ 0.13179	149,022.60
Perm Inch Foot Annual	\$ 0.13598	153,760.47
Step Inch Foot Annual	\$ 0.14629	165,418.59

	Annual	Monthly	Variance
Org Total Charges	172,401.00	14,366.75	
Temp Total Charges	172,401.00	14,366.75	-
Perm Total Charges	177,885.51	14,823.79	457.04
Step Total Charges	191,367.39	15,947.28	1,123.49

Cycle 39
Derry Hydrant Account

3.18%

Actual Billed		Total Recoupment	
Dec-16	3,138.06	99.79	
Jan-17	3,138.06	99.79	
Feb-17	3,138.06	99.79	
Mar-17	3,138.06	99.79	
Apr-17	3,138.06	99.79	
May-17	3,138.06	99.79	
Jun-17	3,138.06	99.79	
Jul-17	3,138.06	99.79	
Aug-17	3,138.06	99.79	
Sep-17	3,138.06	99.79	
Oct-17	3,138.06	99.79	
Nov-17	3,138.06	99.79	
Total	37,656.71	1,197.48	99.79

	2016	2017
# of Hydrants	36	36
Inch Foot Units	223,124	223,124

	Rate	Charge
Org Hyd Annual	\$ 229.20	8,251.20
Temp Hyd Annual	\$ 229.20	8,251.20
Perm Hyd Annual	\$ 236.52	8,514.72
Step Hyd Annual	\$ 254.40	9,158.40

	Rate	Charge
Org Inch Foot Annual	\$ 0.13179	29,405.51
Temp Inch Foot Annual	\$ 0.13179	29,405.51
Perm Inch Foot Annual	\$ 0.13598	30,340.40
Step Inch Foot Annual	\$ 0.14629	32,640.81

	Annual	Monthly	Variance
Org Total Charges	37,656.71	3,138.06	
Temp Total Charges	37,656.71	3,138.06	-
Perm Total Charges	38,855.12	3,237.93	99.87
Step Total Charges	41,799.21	3,483.27	245.34

Cycle 18

Amherst Hydrant Account

					3.03%	
					3.18%	
					Recoupment	
				Permanent Inc	WICA Refund	Surcharge Total
	Actual Billed	WICA Billed	Total Billed	Recoupment		
Dec-16	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Jan-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Feb-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Mar-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Apr-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
May-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Jun-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Jul-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Aug-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Sep-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Oct-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Nov-17	15,857.57	480.48	16,486.19	504.27	(480.48)	23.79
Total	190,290.89	5,765.81	197,834.25	6,051.25	(5,765.81)	285.44
		2016	2017			
# of Hydrants		121	122			
Inch Foot Units		1,233,460	1,242,674			
	Rate	Charge				
Org Hyd Annual	\$ 229.20	27,733.20				
Temp Hyd Annual	\$ 229.20	27,733.20				
Perm Hyd Annual	\$ 236.52	28,855.44				
Step Hyd Annual	\$ 254.40	31,036.80				
	Rate	Charge				
Org Inch Foot Annual	\$ 0.13179	162,557.69				
Temp Inch Foot Annual	\$ 0.13179	162,557.69				
Perm Inch Foot Annual	\$ 0.13598	168,978.81				
Step Inch Foot Annual	\$ 0.14629	181,790.78				
	Annual	Monthly	Variance			
Org Total Charges	190,290.89	15,857.57				
Temp Total Charges	190,290.89	15,857.57				
Perm Total Charges	197,834.25	16,486.19	628.61			
Step Total Charges	212,827.58	17,735.63	1,249.44			

Cycle 18

Nashua Hydrant Account

3.03%

3.18%

	Actual Billed	WICA Billed	Total Billed	Permanent Inc Recoupment	WICA Refund	Recoupment Surcharge Total
Dec-16	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Jan-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Feb-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Mar-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Apr-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
May-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Jun-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Jul-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Aug-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Sep-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Oct-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Nov-17	216,699.10	6,565.98	223,980.47	6,891.03	(6,565.98)	325.05
Total	2,600,389.16	78,791.79	2,687,765.64	82,692.38	(78,791.79)	3,900.58

	2016	2017
# of Hydrants	2,220	2,221
Inch Foot Units	15,870,439	15,902,741

	Rate	Charge
Org Hyd Annual	\$ 229.20	508,824.00
Temp Hyd Annual	\$ 229.20	508,824.00
Perm Hyd Annual	\$ 236.52	525,310.92
Step Hyd Annual	\$ 254.40	565,022.40

	Rate	Charge
Org Inch Foot Annual	\$ 0.13179	2,091,565.16
Temp Inch Foot Annual	\$ 0.13179	2,091,565.16
Perm Inch Foot Annual	\$ 0.13598	2,162,454.72
Step Inch Foot Annual	\$ 0.14629	2,326,411.98

	Annual	Monthly	Variance
Org Total Charges	2,600,389.16	216,699.10	
Temp Total Charges	2,600,389.16	216,699.10	-
Perm Total Charges	2,687,765.64	223,980.47	7,281.37
Step Total Charges	2,891,434.38	240,952.87	16,972.39

Cycle 18

Merrimack Hydrant Account

3.03%

3.18%

	Actual Billed	WICA Billed	Total Billed	Permanent Inc Recoupment	WICA Refund	Recoupment Surcharge Total
Dec-16	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Jan-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Feb-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Mar-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Apr-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
May-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Jun-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Jul-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Aug-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Sep-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Oct-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Nov-17	6,830.44	206.96	7,047.71	217.21	(206.96)	10.25
Total	81,965.25	2,483.55	84,572.53	2,606.50	(2,483.55)	122.95

	2016	2017
# of Hydrants	41	41
Inch Foot Units	550,634	550,634

	Rate	Charge
Org Hyd Annual	\$ 229.20	9,397.20
Temp Hyd Annual	\$ 229.20	9,397.20
Perm Hyd Annual	\$ 236.52	9,697.32
Step Hyd Annual	\$ 254.40	10,430.40

	Rate	Charge
Org Inch Foot Annual	\$ 0.13179	72,568.05
Temp Inch Foot Annual	\$ 0.13179	72,568.05
Perm Inch Foot Annual	\$ 0.13598	74,875.21
Step Inch Foot Annual	\$ 0.14629	80,552.25

	Annual	Monthly	Variance
Org Total Charges	81,965.25	6,830.44	
Temp Total Charges	81,965.25	6,830.44	-
Perm Total Charges	84,572.53	7,047.71	217.27
Step Total Charges	90,982.65	7,581.89	534.18