

Mary B. Shekarchi
Attorney at Law

33 College Hill Road, Suite 15-E
Warwick, Rhode Island 02886

Phone: (401) 828-5030
Fax: (401) 823-1400
E-Mail: marybali@aol.com

March 10, 2020

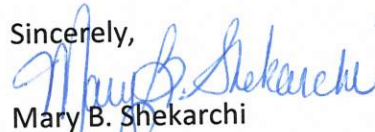
Ms. Luly Massaro, Clerk
RI Public Utilities Commission
89 Jefferson Blvd.
Warwick, RI 02888

RE: Kent County Water Authority – Docket No. 5012

Dear Ms. Massaro:

Please find enclosed herewith an original and nine (9) copies of the Kent County Water Authority's Responses to the Division of Public Utilities Commission Second Set of Data Requests in Docket # 5012. An electronic copy has been provided to the service list. Should you have any questions, please contact me. Thank you.

Sincerely,


Mary B. Shekarchi
Attorney at Law

MBS/mdc
Enclosure

Cc: Docket 5012 Service List (via electronic mail)

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISSION
DOCKET NO. 5012

Dated: March 10, 2020

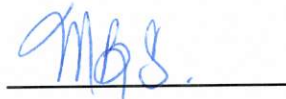
Respectfully submitted,



Mary B. Shekarchi (#4767)
Attorney at Law
33 College Hill Rd., Suite #15E
Warwick, RI 02886
Tel. (401) 828-5030
Fax (401) 823-1400
marybali@aol.com

CERTIFICATION OF SERVICE

I hereby certify on this 10th day of March, 2020, I sent a copy of the within to the Parties listed on the attached service list.



Docket No. 5012 - Kent County Water Authority – Abbreviated Rate Filing
Service List 2/11/2020

Name/Address	E-mail Address	Phone
Kent County Water Authority (KCWA) Mary B. Shekarchi, Esq. 33 College hill Rd., Suite 15-E Warwick, RI 02886	marybali@aol.com ;	401-828-5030
David L. Simmons, P.E. Executive Director/Chief Engineer Kent County Water Authority 1072 Main St. West Warwick, RI 02893-0192	dsimmons@kentcountywater.org ;	401-821-9300
David Bebyn, CPA B&E Consulting, LLC 21 Dryden Lane Providence, RI 02904	dbebyn@gmail.com ;	
Division of Public Utilities & Carriers (Division) Tiffany Parenteau, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	Tparenteau@riag.ri.gov ;	401-274-4400 Ext. 2218
	Chetherington@riag.ri.gov ;	
	John.bell@dpuc.ri.gov ;	
	Al.mancini@dpuc.ri.gov ;	
	Pat.smith@dpuc.ri.gov ;	
	Hakeem.ottun@dpuc.ri.gov ;	
	Robert.Bailey@dpuc.ri.gov ;	
	Mfolcarelli@riag.ri.gov ;	
Jerome Mierzwa Layfayette Morgan Exeter Associates, Inc. 10480 Little Patuxent Parkway, Suite 300 Columbia, MD 21044	jmierzwa@exeterassociates.com ;	
	lmorgan@exeterassociates.com ;	
Original & nine (9) copies file w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov ;	401-780-2107
	Cynthia.WilsonFrias@puc.ri.gov ;	
	Margaret.hogan@puc.ri.gov ;	
	Alan.nault@puc.ri.gov ;	
	Sharon.ColbyCamara@puc.ri.gov ;	
Kathleen Crawley Water Resources Board	Kathleen.crawley@wrb.ri.gov ;	401-222-6696

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-1. Reference Mr. Simmons' testimony at page 4, lines 15 -17. Please provide a copy of any documents that explain the ongoing meter replacement program for all meters in the future. In your response, please provide the justification for the program, the annual cost of the program, the expected annual meter replacements by size and type, and identify any cost savings expected from the program.

RESPONSE:

All documents and work papers attached. The program will save the rate payers an estimated \$128,144 annually via avoided 3rd party installation costs by an outside contractor. In the spirit of gradualism, KCWA is proposing a fixed AMR account be set up to handle all meter replacement on an ongoing basis to avoid the large upfront cost when trying to purchase and install all meters within a couple of years and contract out the installation to an outside contractor to meet an aggressive timeline. Under the current meter change out program, KCWA is maintaining approximately 3000 meters that are up to five years old and of the latest generation metering technology (Neptune R900i E-coder V4 or V4). KCWA would like to start changing the V4 meters using our own workforce starting in 2025 and then gradually roll up changing out meters to a maximum rate of 2150 per year until 2039. Starting in 2040, approximately 1375 meters or 5% per year could be installed continuously using KCWA staff which would then rotate on 20-year cycles. The anticipated schedule of installs is presented in the "Future Meter Change Out Programming Worksheet." The annual cost of the program is estimated at \$390,538 per year with an estimated collections total \$7,810,760 by 2039. The \$390,538 does not include interest that may accrue on the fixed account. The factoring of anticipated interest earnings to the programming cost is in answered in Div 2-4b. The cumulative rolling expenditure total by 2039 is \$7,810,815. The anticipated roll out of installs is presented by age alone, but installation based on cumulative use, electronic failures, damaged meters, and upgrades in metering technology will also play a factor when determining the timing of the actual installations. Future price reductions in ultrasonic metering technology will most likely justify early replacement of the meter size classes of 1.5-inch and 2-inch meters because

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

of the low flow accuracy of an ultrasonic meter compared to its positive displacement counterparts.

Witness responsible: David L. Simmons, P.E.

KENT COUNTY WATER AUTHORITY
METER REPLACEMENT PROGRAM (MATERIAL COST ONLY)
2020-2039 2.25% Inflationary Factor

<u>2020^{1,2}</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
\$ 5,117,888	\$ 5,233,040	\$ 5,350,784	\$ 5,471,177	\$ 5,594,278	\$ 5,720,149	\$ 5,848,853	\$ 5,980,452	\$ 6,115,012	\$ 6,252,600
<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>
\$ 6,393,283	\$ 6,537,132	\$ 6,684,218	\$ 6,834,612	\$ 6,988,391	\$ 7,145,630	\$ 7,306,407	\$ 7,470,801	\$ 7,638,894	\$ 7,810,769

Annual Contribution Over 20 Years

\$ 390,538

Total number of meters factored

27169

Average unit cost

Monthly Contribution

\$ 32,545

\$ 287.49

¹ Bid material pricing as presented to KCWA from the awarded proposer (Neptune Technology Group) on January 18, 2019 for replacement of all 27,169 small meters

² Bid material pricing as presented to KCWA from Neptune Technology Group for replacement of all large and medium compound meters and their associated bypass meters and replacement value of 19 single register with a Neptune Truflow compound equivalent. Pricing and calculations performed using the Large Meter Change Out Program (LMCOP) data set as of 2-26-2020

KENT COUNTY WATER AUTHORITY
METER REPLACEMENT PROGRAM (MATERIAL COST ONLY)
2040-2059 2.25% Inflationary Factor

<u>2040</u>	<u>2041</u>	<u>2042</u>	<u>2043</u>	<u>2044</u>	<u>2045</u>	<u>2046</u>	<u>2047</u>	<u>2048</u>	<u>2049</u>
\$ 7,810,769	\$ 7,986,511	\$ 8,166,208	\$ 8,349,947	\$ 8,537,821	\$ 8,729,922	\$ 8,926,346	\$ 9,127,188	\$ 9,332,550	\$ 9,542,532
<u>2050</u>	<u>2051</u>	<u>2052</u>	<u>2053</u>	<u>2054</u>	<u>2055</u>	<u>2056</u>	<u>2057</u>	<u>2058</u>	<u>2059</u>
\$ 9,757,239	\$ 9,976,777	\$ 10,201,255	\$ 10,430,783	\$ 10,665,476	\$ 10,905,449	\$ 11,150,821	\$ 11,401,715	\$ 11,658,253	\$ 11,920,564

Annual Contribution Over 20 Years

\$ 596,028

Total number of meters factored

27169

Monthly Contribution

\$ 49,669

Average unit cost

\$ 429.10

¹ Bid material pricing as presented to KCWA from the awarded proposer (Neptune Technology Group) on January 18, 2019 for replacement of all 27,169 small meters

² Bid material pricing as presented to KCWA from Neptune Technology Group for replacement of all large and medium compound meters and their associated bypass meters and replacement value of 19 single register with a Neptune TrufLOW compound equivalent. Pricing and calculations performed using the Large Meter Change Out Program (LMCOP) data set as of 2-26-2020

KENT COUNTY WATER AUTHORITY
METER REPLACEMENT PROGRAM (LABOR ONLY)
2020-2039 2.25% Inflationary Factor

<u>2020¹</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>		<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
\$ 1,679,284	\$ 1,717,068	\$ 1,755,702	\$ 1,795,205	\$	1,835,597	\$ 1,876,898	\$ 1,919,128	\$ 1,962,309	\$ 2,006,461	\$ 2,051,606
<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>		<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>
\$ 2,097,767	\$ 2,144,967	\$ 2,193,229	\$ 2,242,577	\$	2,293,034	\$ 2,344,628	\$ 2,397,382	\$ 2,451,323	\$ 2,506,478	\$ 2,562,873

Annual Contribution Over 20 Years

\$ 128,144

Monthly Contribution

\$ 10,679

¹ Labor installation costs are based on the awarded bid pricing for the 2019 meter change out program for all small meters sized 2-inches and less

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Jan		\$ 423,083.00	\$ 813,623.00	\$ 1,204,163.00	\$ 1,594,703.00	\$ 1,985,243.00	\$ 2,276,598.95	\$ 2,397,760.82	\$ 2,569,808.42	\$ 2,657,621.45	\$ 2,152,917.59	\$ 1,925,354.09	\$ 1,697,790.59	\$ 1,470,227.09	\$ 1,242,663.59	\$ 1,015,100.09	\$ 787,536.59	\$ 559,973.09	\$ 332,409.59	\$ 104,846.09
Feb		\$ 455,628.00	\$ 846,168.00	\$ 1,236,708.00	\$ 1,627,248.00	\$ 2,017,788.00	\$ 2,309,143.95	\$ 2,430,305.82	\$ 2,602,353.42	\$ 2,690,166.45	\$ 2,185,462.59	\$ 1,957,899.09	\$ 1,730,335.59	\$ 1,502,772.09	\$ 1,275,208.59	\$ 1,047,645.09	\$ 820,081.59	\$ 592,518.09	\$ 364,954.59	\$ 137,391.09
Mar		\$ 488,173.00	\$ 878,713.00	\$ 1,269,253.00	\$ 1,659,793.00	\$ 2,050,333.00	\$ 2,341,688.95	\$ 2,462,850.82	\$ 2,634,898.42	\$ 2,722,711.45	\$ 2,218,007.59	\$ 1,990,444.09	\$ 1,762,880.59	\$ 1,535,317.09	\$ 1,307,753.59	\$ 1,080,190.09	\$ 852,626.59	\$ 625,063.09	\$ 397,499.59	\$ 169,936.09
Apr		\$ 520,718.00	\$ 911,258.00	\$ 1,301,798.00	\$ 1,692,338.00	\$ 2,082,878.00	\$ 2,374,233.95	\$ 2,495,395.82	\$ 2,667,443.42	\$ 2,755,256.45	\$ 2,250,552.59	\$ 2,022,989.09	\$ 1,795,425.59	\$ 1,567,862.09	\$ 1,340,298.59	\$ 1,112,735.09	\$ 885,171.59	\$ 657,608.09	\$ 430,044.59	\$ 202,481.09
May		\$ 553,263.00	\$ 943,803.00	\$ 1,334,343.00	\$ 1,724,883.00	\$ 2,115,423.00	\$ 2,406,778.95	\$ 2,527,940.82	\$ 2,699,988.42	\$ 2,787,801.45	\$ 2,283,097.59	\$ 2,055,534.09	\$ 1,827,970.59	\$ 1,600,407.09	\$ 1,372,843.59	\$ 1,145,280.09	\$ 917,716.59	\$ 690,153.09	\$ 462,589.59	\$ 235,026.09
Jun	\$ -	\$ 585,808.00	\$ 976,348.00	\$ 1,366,888.00	\$ 1,757,428.00	\$ 2,147,968.00	\$ 2,439,323.95	\$ 2,560,485.82	\$ 2,732,533.42	\$ 2,820,346.45	\$ 2,315,642.59	\$ 2,088,079.09	\$ 1,860,515.59	\$ 1,632,952.09	\$ 1,405,388.59	\$ 1,177,825.09	\$ 950,261.59	\$ 722,698.09	\$ 495,134.59	\$ 267,571.09
Jul	\$ -	\$ 618,353.00	\$ 1,008,893.00	\$ 1,399,433.00	\$ 1,789,973.00	\$ 2,180,513.00	\$ 2,471,868.95	\$ 2,593,030.82	\$ 2,765,078.42	\$ 2,852,891.45	\$ 2,348,187.59	\$ 2,120,624.09	\$ 1,893,060.59	\$ 1,665,497.09	\$ 1,437,933.59	\$ 1,210,370.09	\$ 982,806.59	\$ 755,243.09	\$ 527,679.59	\$ 300,116.09
Aug	\$ -	\$ 650,898.00	\$ 1,041,438.00	\$ 1,431,978.00	\$ 1,822,518.00	\$ 2,213,058.00	\$ 2,504,413.95	\$ 2,625,575.82	\$ 2,797,623.42	\$ 2,885,436.45	\$ 2,380,732.59	\$ 2,153,169.09	\$ 1,925,605.59	\$ 1,698,042.09	\$ 1,470,478.59	\$ 1,242,915.09	\$ 1,015,351.59	\$ 787,788.09	\$ 560,224.59	\$ 332,661.09
Sep	\$ -	\$ 683,443.00	\$ 1,073,983.00	\$ 1,464,523.00	\$ 1,855,063.00	\$ 2,245,603.00	\$ 2,536,958.95	\$ 2,658,120.82	\$ 2,830,168.42	\$ 2,917,981.45	\$ 2,413,277.59	\$ 2,185,714.09	\$ 1,958,150.59	\$ 1,730,587.09	\$ 1,503,023.59	\$ 1,275,460.09	\$ 1,047,896.59	\$ 820,333.09	\$ 592,769.59	\$ 365,206.09
Oct	\$ -	\$ 715,988.00	\$ 1,106,528.00	\$ 1,497,068.00	\$ 1,887,608.00	\$ 2,278,148.00	\$ 2,569,503.95	\$ 2,690,665.82	\$ 2,862,713.42	\$ 2,950,526.45	\$ 2,445,822.59	\$ 2,218,259.09	\$ 1,990,695.59	\$ 1,763,132.09	\$ 1,535,568.59	\$ 1,308,005.09	\$ 1,080,441.59	\$ 852,878.09	\$ 625,314.59	\$ 397,751.09
Nov	\$ -	\$ 748,533.00	\$ 1,139,073.00	\$ 1,529,613.00	\$ 1,920,153.00	\$ 2,310,693.00	\$ 2,602,048.95	\$ 2,723,210.82	\$ 2,895,258.42	\$ 2,983,071.45	\$ 2,478,367.59	\$ 2,250,804.09	\$ 2,023,240.59	\$ 1,795,677.09	\$ 1,568,113.59	\$ 1,340,550.09	\$ 1,112,986.59	\$ 885,423.09	\$ 657,859.59	\$ 430,296.09
Dec	\$ 390,538.00	\$ 781,078.00	\$ 1,171,618.00	\$ 1,562,158.00	\$ 1,952,698.00	\$ 2,343,238.00	\$ 2,634,593.95	\$ 2,755,755.82	\$ 2,927,803.42	\$ 3,015,616.45	\$ 2,510,912.59	\$ 2,283,349.09	\$ 2,055,785.59	\$ 1,828,222.09	\$ 1,600,658.59	\$ 1,373,095.09	\$ 1,145,531.59	\$ 917,968.09	\$ 690,404.59	\$ 462,841.09
Collections	\$ 390,538.00	\$ 781,078.00	\$ 1,171,618.00	\$ 1,562,158.00	\$ 1,952,698.00	\$ 2,343,238.00	\$ 2,634,593.95	\$ 2,755,755.82	\$ 2,927,803.42	\$ 3,015,616.45	\$ 2,510,912.59	\$ 2,283,349.09	\$ 2,055,785.59	\$ 1,828,222.09	\$ 1,600,658.59	\$ 1,373,095.09	\$ 1,145,531.59	\$ 917,968.09	\$ 690,404.59	\$ 462,841.09
Utilization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,184.05	\$ 269,378.13	\$ 218,492.40	\$ 302,726.97	\$ 895,243.86	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50
Balance	\$ 390,538.00	\$ 781,078.00	\$ 1,171,618.00	\$ 1,562,158.00	\$ 1,952,698.00	\$ 2,244,053.95	\$ 2,365,215.82	\$ 2,537,263.42	\$ 2,625,076.45	\$ 2,120,372.59	\$ 1,892,809.09	\$ 1,665,245.59	\$ 1,437,682.09	\$ 1,210,118.59	\$ 982,555.09	\$ 754,991.59	\$ 527,428.09	\$ 299,864.59	\$ 72,301.09	\$ (17.81)

15 Series Meter Install Year (meters left in system during first round of installations)

Install Year	No. of installs
2015	345
2016	937
2017	760
2018	1053
2019	3114
2020 Projected	15435
6/30/2021	5525
Total	27169

Monthly Allocation	Market Yield	Market Yield (monthly)
\$ 32,545.00	0.00%	0.0000%

Funding Year	Restricted Collection	Cumulative
6-30 to12/31/2020	\$ 390,538.00	\$ 390,538.00
2021	\$ 390,538.00	\$ 781,076.00
2022	\$ 390,538.00	\$ 1,171,614.00
2023	\$ 390,538.00	\$ 1,562,152.00
2024	\$ 390,538.00	\$ 1,952,690.00

Install Year Next							
Generation	No of installs	Install Year	Age	Installs per wk	Annual funding needs	Restricted Collection	Cumulative
2025	345	2015	10	7	\$ 99,184.05	\$ 390,538.00	\$ 2,343,228.00
2026	937	2016	10	18	\$ 269,378.13	\$ 390,538.00	\$ 2,733,766.00
2027	760	2017	10	15	\$ 218,492.40	\$ 390,538.00	\$ 3,124,304.00
2028	1053	2018	10	20	\$ 302,726.97	\$ 390,538.00	\$ 3,514,842.00
2029	3114	2019	10	60	\$ 895,243.86	\$ 390,538.00	\$ 3,905,380.00
2030	2150	2020	10	41	\$ 618,103.50	\$ 390,538.00	\$ 4,295,918.00
2031	2150	2020	11	41	\$ 618,103.50	\$ 390,538.00	\$ 4,686,456.00
2032	2150	2020	12	41	\$ 618,103.50	\$ 390,538.00	\$ 5,076,994.00
2033	2150	2020	13	41	\$ 618,103.50	\$ 390,538.00	\$ 5,467,532.00
2034	2150	2020	14	41	\$ 618,103.50	\$ 390,538.00	\$ 5,858,070.00
2035	2150	2020	15	41	\$ 618,103.50	\$ 390,538.00	\$ 6,248,608.00
2036	2150	2020	16	41	\$ 618,103.50	\$ 390,538.00	\$ 6,639,146.00
2037	2150	2021	16	41	\$ 618,103.50	\$ 390,538.00	\$ 7,029,684.00
2038	2150	2021	17	41	\$ 618,103.50	\$ 390,538.00	\$ 7,420,222.00
2039	1610	2021	18	31	\$ 462,858.90	\$ 390,538.00	\$ 7,810,760.00
TOTALS	27169				\$ 7,810,815.81	\$ 7,810,760.00	

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Jan		\$ 221,907.05	\$ 606,802.03	\$ 997,432.27	\$ 1,393,883.21	\$ 1,796,241.59	\$ 2,105,289.06	\$ 2,248,537.59	\$ 2,444,869.14	\$ 2,559,787.73	\$ 2,083,171.03	\$ 1,876,934.53	\$ 1,667,624.93	\$ 1,455,196.46	\$ 1,239,602.63	\$ 1,020,796.27	\$ 798,729.53	\$ 573,353.81	\$ 344,619.81	\$ 112,477.49
Feb		\$ 253,764.64	\$ 639,134.33	\$ 1,030,246.34	\$ 1,427,186.24	\$ 1,830,040.86	\$ 2,139,469.49	\$ 2,282,894.70	\$ 2,479,468.38	\$ 2,594,528.70	\$ 2,117,324.18	\$ 1,910,833.32	\$ 1,701,265.58	\$ 1,488,575.11	\$ 1,272,715.38	\$ 1,053,639.16	\$ 831,298.53	\$ 605,644.85	\$ 376,628.75	\$ 144,200.12
Mar		\$ 285,661.52	\$ 671,506.50	\$ 1,063,100.88	\$ 1,460,530.34	\$ 1,863,881.82	\$ 2,173,692.07	\$ 2,317,294.17	\$ 2,514,110.30	\$ 2,629,312.53	\$ 2,151,519.45	\$ 1,944,773.92	\$ 1,734,947.71	\$ 1,521,994.92	\$ 1,305,868.96	\$ 1,086,522.55	\$ 863,907.71	\$ 637,975.72	\$ 408,677.16	\$ 175,961.87
Apr		\$ 317,597.74	\$ 703,918.60	\$ 1,095,995.95	\$ 1,493,915.57	\$ 1,897,764.51	\$ 2,207,956.86	\$ 2,351,736.07	\$ 2,548,794.94	\$ 2,664,139.25	\$ 2,185,756.90	\$ 1,978,756.38	\$ 1,768,671.38	\$ 1,555,455.95	\$ 1,339,063.44	\$ 1,119,446.50	\$ 896,557.10	\$ 670,346.46	\$ 440,765.10	\$ 207,762.80
May		\$ 349,573.35	\$ 736,370.67	\$ 1,128,931.58	\$ 1,527,341.97	\$ 1,931,688.99	\$ 2,242,263.91	\$ 2,386,220.45	\$ 2,583,522.36	\$ 2,699,008.93	\$ 2,220,036.57	\$ 2,012,780.75	\$ 1,802,436.65	\$ 1,588,958.25	\$ 1,372,298.86	\$ 1,152,411.06	\$ 929,246.76	\$ 702,757.13	\$ 472,892.62	\$ 239,602.94
Jun	\$ -	\$ 381,588.39	\$ 768,862.76	\$ 1,161,907.83	\$ 1,560,809.59	\$ 1,965,655.31	\$ 2,276,613.28	\$ 2,420,747.36	\$ 2,618,292.61	\$ 2,733,921.61	\$ 2,254,358.52	\$ 2,046,847.08	\$ 1,836,243.56	\$ 1,622,501.87	\$ 1,405,575.26	\$ 1,185,416.27	\$ 961,976.73	\$ 735,207.77	\$ 505,059.76	\$ 271,482.36
Jul	\$ 31,583.91	\$ 413,642.93	\$ 801,394.93	\$ 1,194,924.76	\$ 1,594,318.50	\$ 1,999,663.53	\$ 2,311,005.01	\$ 2,455,316.86	\$ 2,653,105.74	\$ 2,768,877.35	\$ 2,288,722.80	\$ 2,080,955.43	\$ 1,870,092.17	\$ 1,656,086.87	\$ 1,438,892.71	\$ 1,218,462.19	\$ 994,747.08	\$ 767,698.43	\$ 537,266.57	\$ 303,401.09
Aug	\$ 63,206.76	\$ 445,736.99	\$ 833,967.23	\$ 1,227,982.41	\$ 1,627,868.73	\$ 2,033,713.68	\$ 2,345,439.15	\$ 2,489,928.99	\$ 2,687,961.81	\$ 2,803,876.21	\$ 2,323,129.46	\$ 2,115,105.85	\$ 1,903,982.52	\$ 1,689,713.28	\$ 1,472,251.25	\$ 1,251,548.87	\$ 1,027,557.84	\$ 800,229.16	\$ 569,513.11	\$ 335,359.19
Sep	\$ 94,868.62	\$ 477,870.64	\$ 866,579.69	\$ 1,261,080.82	\$ 1,661,460.34	\$ 2,067,805.84	\$ 2,379,915.77	\$ 2,524,583.81	\$ 2,722,860.87	\$ 2,838,918.23	\$ 2,357,578.56	\$ 2,149,298.39	\$ 1,937,914.67	\$ 1,723,381.16	\$ 1,505,650.93	\$ 1,284,676.35	\$ 1,060,409.07	\$ 832,800.02	\$ 601,799.41	\$ 367,356.71
Oct	\$ 126,569.54	\$ 510,043.92	\$ 899,232.38	\$ 1,294,220.06	\$ 1,695,093.38	\$ 2,101,940.03	\$ 2,414,434.90	\$ 2,559,281.36	\$ 2,757,802.97	\$ 2,874,003.47	\$ 2,392,070.15	\$ 2,183,533.09	\$ 1,971,888.67	\$ 1,757,090.57	\$ 1,539,091.81	\$ 1,317,844.69	\$ 1,093,300.81	\$ 865,411.04	\$ 634,125.54	\$ 399,393.69
Nov	\$ 158,309.54	\$ 542,256.88	\$ 931,925.34	\$ 1,327,400.17	\$ 1,728,767.90	\$ 2,136,116.33	\$ 2,448,996.61	\$ 2,594,021.72	\$ 2,792,788.17	\$ 2,909,131.97	\$ 2,426,604.27	\$ 2,217,810.02	\$ 2,005,904.57	\$ 1,790,841.56	\$ 1,572,573.93	\$ 1,351,053.94	\$ 1,126,233.12	\$ 898,062.29	\$ 666,491.53	\$ 431,470.18
Dec	\$ 190,088.70	\$ 574,509.57	\$ 964,658.62	\$ 1,360,621.20	\$ 1,762,483.95	\$ 2,170,334.78	\$ 2,483,600.94	\$ 2,628,804.92	\$ 2,827,816.51	\$ 2,944,303.81	\$ 2,461,180.99	\$ 2,252,129.23	\$ 2,039,962.43	\$ 1,824,634.17	\$ 1,606,097.34	\$ 1,384,304.14	\$ 1,159,206.05	\$ 930,753.80	\$ 698,897.44	\$ 463,586.23
Collections	\$ 190,088.70	\$ 574,509.57	\$ 964,658.62	\$ 1,360,621.20	\$ 1,762,483.95	\$ 2,170,334.78	\$ 2,483,600.94	\$ 2,628,804.92	\$ 2,827,816.51	\$ 2,944,303.81	\$ 2,461,180.99	\$ 2,252,129.23	\$ 2,039,962.43	\$ 1,824,634.17	\$ 1,606,097.34	\$ 1,384,304.14	\$ 1,159,206.05	\$ 930,753.80	\$ 698,897.44	\$ 463,586.23
Utilization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,184.05	\$ 269,378.13	\$ 218,492.40	\$ 302,726.97	\$ 895,243.86	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 462,858.90
Balance	\$ 190,088.70	\$ 574,509.57	\$ 964,658.62	\$ 1,360,621.20	\$ 1,762,483.95	\$ 2,071,150.73	\$ 2,214,222.81	\$ 2,410,312.52	\$ 2,525,089.54	\$ 2,049,059.95	\$ 1,843,077.49	\$ 1,634,025.73	\$ 1,421,858.93	\$ 1,206,530.67	\$ 987,993.84	\$ 766,200.64	\$ 541,102.55	\$ 312,650.30	\$ 80,793.94	\$ 727.33

15 Series Meter Install Year (meters left in system during first round of installations)

Monthly Allocation	Market Yield	Market Yield (monthly)
\$ 31,545.00	1.48%	0.1233%

Install Year	No. of installs						
2015	345						
2016	937						
2017	760						
2018	1053						
2019	3114						
2020 Projected	15435						
6/30/2021	5525						
Total	27169						
Install Year Next							
Generation	No of installs	Install Year	Age	Installs per wk	Annual funding needs	Restricted Collection	Cumulative
2025	345	2015	10	7	\$ 99,184.05	\$ 378,540.00	\$ 2,081,970.00
2026	937	2016	10	18	\$ 269,378.13	\$ 378,540.00	\$ 2,460,510.00
2027	760	2017	10	15	\$ 218,492.40	\$ 378,540.00	\$ 2,839,050.00
2028	1053	2018	10	20	\$ 302,726.97	\$ 378,540.00	\$ 3,217,590.00
2029	3114	2019	10	60	\$ 895,243.86	\$ 378,540.00	\$ 3,596,130.00
2030	2150	2020	10	41	\$ 618,103.50	\$ 378,540.00	\$ 3,974,670.00
2031	2150	2020	11	41	\$ 618,103.50	\$ 378,540.00	\$ 4,353,210.00
2032	2150	2020	12	41	\$ 618,103.50	\$ 378,540.00	\$ 4,731,750.00
2033	2150	2020	13	41	\$ 618,103.50	\$ 378,540.00	\$ 5,110,290.00
2034	2150	2020	14	41	\$ 618,103.50	\$ 378,540.00	\$ 5,488,830.00
2035	2150	2020	15	41	\$ 618,103.50	\$ 378,540.00	\$ 5,867,370.00
2036	2150	2020	16	41	\$ 618,103.50	\$ 378,540.00	\$ 6,245,910.00
2037	2150	2021	16	41	\$ 618,103.50	\$ 378,540.00	\$ 6,624,450.00
2038	2150	2021	17	41	\$ 618,103.50	\$ 378,540.00	\$ 7,002,990.00
2039	1610	2021	18	31	\$ 462,858.90	\$ 378,540.00	\$ 7,381,530.00
TOTALS	27169				\$ 7,810,815.81	\$ 7,381,530.00	

Shortfall if account earns no interest \$ (429,285.81)

Future Meter Change Out Programming Worksheet

15 Series Meter Install Year (meters
left in system during first round of
installations)

Install Year	No. of installs
2015	345
2016	937
2017	760
2018	1053
2019	3114
2020 Projected	15435
6/30/2021	5525
Total	27169

Funding Year	Restricted Collections	Cumulative
6/30/2020 to 12/31/2020	\$ 390,538.00	\$ 390,538.00
2021	\$ 390,538.00	\$ 781,076.00
2022	\$ 390,538.00	\$ 1,171,614.00
2023	\$ 390,538.00	\$ 1,562,152.00
2024	\$ 390,538.00	\$ 1,952,690.00

Install Year Next							
Generation	No of installs	Install Year	Age	Installs per wk	Annual funding needs	Restricted Collections	Cumulative
2025	345	2015	10	7	\$ 99,184.05	\$ 390,538.00	\$ 2,343,228.00
2026	937	2016	10	18	\$ 269,378.13	\$ 390,538.00	\$ 2,733,766.00
2027	760	2017	10	15	\$ 218,492.40	\$ 390,538.00	\$ 3,124,304.00
2028	1053	2018	10	20	\$ 302,726.97	\$ 390,538.00	\$ 3,514,842.00
2029	3114	2019	10	60	\$ 895,243.86	\$ 390,538.00	\$ 3,905,380.00
2030	2150	2020	10	41	\$ 618,103.50	\$ 390,538.00	\$ 4,295,918.00
2031	2150	2020	11	41	\$ 618,103.50	\$ 390,538.00	\$ 4,686,456.00
2032	2150	2020	12	41	\$ 618,103.50	\$ 390,538.00	\$ 5,076,994.00
2033	2150	2020	13	41	\$ 618,103.50	\$ 390,538.00	\$ 5,467,532.00
2034	2150	2020	14	41	\$ 618,103.50	\$ 390,538.00	\$ 5,858,070.00
2035	2150	2020	15	41	\$ 618,103.50	\$ 390,538.00	\$ 6,248,608.00
2036	2150	2020	16	41	\$ 618,103.50	\$ 390,538.00	\$ 6,639,146.00
2037	2150	2021	16	41	\$ 618,103.50	\$ 390,538.00	\$ 7,029,684.00
2038	2150	2021	17	41	\$ 618,103.50	\$ 390,538.00	\$ 7,420,222.00
2039	1610	2021	18	31	\$ 462,858.90	\$ 390,538.00	\$ 7,810,760.00
TOTALS	27169				\$ 7,810,815.81	\$ 7,810,760.00	

Future Change out starting in 2040 going to a 20 year cycle

	No of installs	Install Year	Age	Installs per wk	Annual funding needs
2040	1375	2025	15	26	\$ 596,035.00
2041	1375	2026	15	26	\$ 596,035.00
2042	1375	2027	15	26	\$ 596,035.00
2043	1375	2028	15	26	\$ 596,035.00
2044	1375	2029	15	26	\$ 596,035.00
2045	1375	2030	15	26	\$ 596,035.00
2046	1375	2031	15	26	\$ 596,035.00
2047	1375	2032	15	26	\$ 596,035.00
2048	1375	2033	15	26	\$ 596,035.00
2049	1375	2034	15	26	\$ 596,035.00
2050	1375	2035	15	26	\$ 596,035.00
2051	1375	2036	15	26	\$ 596,035.00
2052	1375	2037	15	26	\$ 596,035.00
2053	1375	2038	15	26	\$ 596,035.00
2054	1375	2039	15	26	\$ 596,035.00
2055	1375	2040	15	26	\$ 596,035.00
2056	1375	2041	15	26	\$ 596,035.00
2057	1375	2042	15	26	\$ 596,035.00
2058	1375	2043	15	26	\$ 596,035.00
2059	1375	2044	15	26	\$ 596,035.00

KCWA: Docket 5012

New Fixed AMR account

In the spirit of gradualism, KCWA is proposing a fixed AMR account be set up to handle all meter replacement on an ongoing basis to avoid the large upfront cost when trying to purchase and install all meters within a couple of years and contract out the installation to an outside contractor to meet an aggressive timeline. Under the current meter change out program, KCWA is maintaining approximately 3000 meters that are up to five years old and of the latest generation metering technology (Neptune R900 V4 or V4). KCWA would like to start changing the V4 meters using our own workforce starting in 2025 and then gradually roll up changing out meters to a maximum rate of 2150 per year until 2039. Starting in 2040, approximately 1375 meters or 5% per year could be installed continuously using KCWA staff which would then rotate on 20-year cycles.

- A. Present Replacement Value of Small Meters¹: \$4,384,929**
- B. Present Replacement Value of all single register large and medium meters UME and bypass meters²: \$732,959**
- C. Total Present Replacement Value for All Meters (A+B) : \$5,117,888**
- D. Present Value Future Worth of Water Meters: Compounding at 2.25% inflation for 20 years is \$7,810,769**
- E. Annual Funding Needs for Meter and UME replacement materials \$7,810,769/20 years = \$390,538 or \$32,545monthly³**

¹Bid material pricing as presented to KCWA from the awarded proposer (Neptune Technology Group) on January 18, 2019 for replacement of all 27,169 small meters

²Bid material pricing as presented to KCWA from Neptune Technology Group for replacement of all large and medium compound meters and their associated bypass meters and replacement value of 19 single register with a Neptune Truflow compound equivalent. Pricing and calculations performed using the Large Meter Change Out Program (LMCOP) data set as of 2-26-2020

³ This proposed funding level only applies to the material cost of purchasing the meters. The installation cost savings by using KCWA personnel is estimated at \$128,144.00 annually.

**KENT COUNTY WATER AUTHORITY
PROFESSIONAL WATER METER**

A-1	WATER METER/REGISTER INSTALLATION	Estimated QTY	VANGUARD UTILITY SERVICE		PMI		BAYSTATE-WINSUPPLY		WMS-THIELSCH	
			\$/unit	Total \$	\$/unit	Total \$	\$/unit	Total \$	\$/unit	Total \$
A-1.1	5/8 x 3/4-inch water meter with encoder register	22247	\$ 81.25	\$ 1,807,568.75	\$ 72.00	\$ 1,601,784.00	\$ 64.00	\$ 1,423,808.00	\$ 52.00	\$ 1,156,844.00
A-1.2	5/8 x 3/4-inch PIT water meter with encoder register	117	\$ 60.00	\$ 7,020.00	\$ 60.00	\$ 7,020.00	\$ 114.00	\$ 13,338.00	\$ 175.00	\$ 20,475.00
A-1.3	5/8-inch straight water meter with encoder register	59	\$ 81.22	\$ 4,791.98	\$ 60.00	\$ 3,540.00	\$ 64.00	\$ 3,776.00	\$ 125.00	\$ 7,375.00
A-1.4	3/4-inch water meter with encoder register	122	\$ 81.22	\$ 9,908.84	\$ 72.00	\$ 8,784.00	\$ 54.00	\$ 6,588.00	\$ 55.00	\$ 6,710.00
A-1.5	3/4-inch pit water meter with encoder register	4	\$ 60.00	\$ 240.00	\$ 72.00	\$ 288.00	\$ 64.00	\$ 256.00	\$ 75.00	\$ 300.00
A-1.6	1-inch water meter with encoder register	3245	\$ 81.22	\$ 263,558.90	\$ 72.00	\$ 233,640.00	\$ 64.00	\$ 207,680.00	\$ 75.00	\$ 243,375.00
A-1.7	1-inch pit water meter with encoder register	373	\$ 60.00	\$ 22,380.00	\$ 66.00	\$ 24,618.00	\$ 114.00	\$ 42,522.00	\$ 185.00	\$ 69,005.00
A-1.8	1-1/2 inch water meter with encoder register	76	\$ 155.00	\$ 11,780.00	\$ 216.00	\$ 16,416.00	\$ 120.00	\$ 9,120.00	\$ 150.00	\$ 11,400.00
A-1.9	1-1/2 inch pit water meter with encoder register	49	\$ 425.00	\$ 20,825.00	\$ 250.00	\$ 12,250.00	\$ 170.00	\$ 8,330.00	\$ 275.00	\$ 13,475.00
A-1.10	1-1/2 inch flanged pit water meter with encoder register	125	\$ 225.00	\$ 28,125.00	\$ 250.00	\$ 31,250.00	\$ 195.00	\$ 24,375.00	\$ 300.00	\$ 37,500.00
A-1.11	2-inch water meter with encoder register	148	\$ 210.00	\$ 31,080.00	\$ 216.00	\$ 31,968.00	\$ 170.00	\$ 17,760.00	\$ 150.00	\$ 22,200.00
A-1.12	2-inch pit water meter with encoder register	83	\$ 425.00	\$ 35,275.00	\$ 250.00	\$ 20,750.00	\$ 120.00	\$ 14,110.00	\$ 275.00	\$ 22,825.00
A-1.13	2-inch flanged pit water meter with encoder register	226	\$ 255.00	\$ 57,630.00	\$ 250.00	\$ 56,500.00	\$ 195.00	\$ 44,070.00	\$ 300.00	\$ 67,800.00
	TOTAL A-1	26874	\$	2,300,183.47	\$	2,048,808.00	\$	1,815,733.00	\$	1,679,284.00
A-2	ENDPOINT INSTALLATION									
A-2.1	RF Endpoints/Transmitters for large meters (>2 inch)	294	\$ 75.00	\$ 22,050.00	\$ 36.00	\$ 10,584.00	\$ 45.00	\$ 13,230.00	\$ 75.00	\$ 22,050.00
A-2.2	RF Endpoints/Transmitters for large meter bypass meters	272	\$ 35.00	\$ 9,520.00	\$ 21.00	\$ 5,712.00	\$ 35.00	\$ 9,520.00	\$ 75.00	\$ 20,400.00
	TOTAL A-2	566	\$	31,570.00	\$	16,296.00	\$	22,750.00	\$	42,450.00
A-3	ESTIMATED METER SALVAGE VALUE PER PROPOSER *									
A-3.1	5/8 x 3/4-inch water meter with encoder register	22359	\$ (1.25)	\$ (27,948.75)	\$ (1.00)	\$ (22,359.00)	\$ (0.50)	\$ (11,179.50)	\$ (0.10)	\$ (2,235.90)
A-3.2	5/8-inch straight water meter with encoder register	59	\$ (1.25)	\$ (73.75)	\$ (1.00)	\$ (59.00)	\$ (0.50)	\$ (29.50)	\$ (0.10)	\$ (5.90)
A-3.3	3/4-inch water meter with encoder register	126	\$ (1.25)	\$ (157.50)	\$ (1.50)	\$ (189.00)	\$ (0.75)	\$ (94.50)	\$ (0.10)	\$ (12.60)
A-3.4	1-inch water meter with encoder register	3618	\$ (1.25)	\$ (4,522.50)	\$ (3.00)	\$ (10,854.00)	\$ (1.00)	\$ (3,618.00)	\$ (0.10)	\$ (361.80)
A-3.5	1-1/2 inch water meter with encoder register	250	\$ (3.00)	\$ (750.00)	\$ (10.00)	\$ (2,500.00)	\$ (2.00)	\$ (500.00)	\$ (0.10)	\$ (25.00)
A-3.6	2 inch water meter with encoder register	451	\$ (4.00)	\$ (1,804.00)	\$ (15.00)	\$ (6,765.00)	\$ (3.00)	\$ (1,353.00)	\$ (0.10)	\$ (45.10)
	TOTAL A-3		\$	(35,256.50)	\$	(42,726.00)	\$	(16,774.50)	\$	(2,686.30)

TOTAL PROPOSAL PRICE A1 through A2 minus A3	\$	2,296,496.97	\$	2,022,378.00	\$	1,821,708.50	\$	1,719,047.70
Average Cost Per Meter Install	\$	84.28	\$	74.65	\$	66.94	\$	62.39
Average Cost Per Endpoint Install	\$	55.78	\$	28.79	\$	40.19	\$	75.00

*Salvage meters shall be removed, stored and process for disposal destroyed at a metal recycling facility by the proposer. Monies received from the recycling facility shall be documented on a payment slips from the facility. Copies of the payment slips shall be provided to KCWA. The amounts shown on these slips will be subtracted from the contract amount for payment. No separate payment will be allowed for the costs of salvage meter removal, storing and processing as this is considered as work accomplished in conjunction to installation of the new meters. A running monthly tally of monies received from salvaged meters shall be maintained, totalized and provided to KCWA at regular intervals and a final report provided at the end of the installation.

KENT COUNTY WATER AUTHORITY

ESTIMATED PROJECT COST FOR WATER METERS AND ENDPOINTS PURCHASE INSTALLATION AND INTEGRATION

	Estimated QTY	NEPTUNE					Total \$	number check	New RF	New RF Savings
		\$/unit	\$/unit	\$/unit	\$/unit	\$/unit				
Water Meters and Registers										
5/8 x 3/4-inch water meter with encoder register and external RFR900 MIU	16621	\$	70.50	\$	67.50	\$	2,293,698.00			
5/8 x 3/4-inch PIT water meter with encoder register and external RFR900 MIU	37			\$	67.50	\$	5,383.50			
5/8 x 3/4-inch fully integrated R900	3481			\$		\$	553,757.48	Good	2241	\$ 356,498.28
5/8-inch straight water meter with encoder register and external RFR900 MIU	0	\$	70.50	\$	67.50	\$	*			
5/8-inch straight PIT water meter with encoder register and external RFR900 MIU	0			\$	67.50	\$	3,817.92	Good	38	\$ 6,045.04
5/8-inch straight fully integrated R900	24	\$		\$	67.50	\$	14,216.25			
3/4-inch water meter with encoder register and external RFR900 MIU	85	\$	99.75	\$	107.25	\$	564.75			
3/4-inch PIT water meter with encoder register and external RFR900 MIU	3			\$	81.00	\$	6,291.00	Good	20	\$ 3,495.00
3/4-inch fully integrated R900	36			\$		\$	174.75			
1-inch water meter with encoder register and external RFR900 MIU	2536	\$	140.25	\$	67.50	\$	526,854.00			
1-inch PIT water meter with encoder register and external RFR900 MIU	210			\$	67.50	\$	45,202.50			
1-inch fully integrated R900	710			\$	147.75	\$	152,827.50	Good	254	\$ 54,673.50
1-1/2 inch water meter with encoder register and external RFR900 MIU	177	\$	297.00	\$	67.50	\$	64,516.50			
1-1/2 inch PIT water meter with encoder register and external RFR900 MIU	38			\$	304.50	\$	14,136.00			
1-1/2 inch fully integrated R900	119			\$		\$	44,268.00	Good	14	\$ 5,208.00
2 inch water meter with encoder register and external RFR900 MIU	269	\$	374.25	\$	67.50	\$	118,023.75			
2 inch PIT water meter with encoder register and external RFR900 MIU	48			\$	67.50	\$	22,632.00			
2 inch fully integrated R900	188			\$		\$	83,895.00	Good	20	\$ 8,925.00
TOTAL 5/8" through 2"		\$					3,950,084.15	27169	2587	\$ 434,844.82
Automatic Meter Reading Endpoints and MIU Transmitters										
RF Endpoints/Transmitters for large meters (2 inch)	111	\$	81.00	\$	81.00	\$	8,991.00	Total	New RF	New RF Savings
RF Endpoints/Transmitters for large meter bypass meters	111	\$	81.00	\$	81.00	\$	8,991.00	294	183	\$ 14,823.00
TOTAL MIU Endpoints for large and bypass meters		\$					17,982.00	566	344	\$ 27,864.00
TOTAL OVERALL							\$ 3,968,066.15			

TOTAL ESTIMATED PROJECT COST	
\$ 5,462,794.75	
TOTAL ESTIMATED SAVINGS	
\$ 715,514.22	
TOTAL ESTIMATED COST WITHOUT SAVINGS	
\$ 6,178,308.97	

	Estimated QTY	\$/unit	Total \$
WATER METER/REGISTER INSTALLATION			
5/8 x 3/4-inch water meter with encoder register	20,022	\$ 32.00	\$ 1,043,304.00
5/8 x 3/4-inch PIT water meter with encoder register	37	\$ 175.00	\$ 6,475.00
5/8-inch straight water meter with encoder register	24	\$ 125.00	\$ 3,000.00
3/4-inch water meter with encoder register	121	\$ 55.00	\$ 6,655.00
3/4-inch PIT water meter with encoder register	3	\$ 75.00	\$ 225.00
1-inch water meter with encoder register	3246	\$ 75.00	\$ 243,450.00
1-inch PIT water meter with encoder register	210	\$ 185.00	\$ 38,850.00
1-1/2 inch water meter with encoder register	296	\$ 150.00	\$ 44,400.00
1-1/2 inch PIT water meter with encoder register	38	\$ 275.00	\$ 10,450.00
2-inch water meter with encoder register	457	\$ 150.00	\$ 68,550.00
2-inch PIT water meter with encoder register	48	\$ 275.00	\$ 13,200.00
Large Meter Radio only installations	222	\$ 75.00	\$ 16,650.00
TOTAL	24804	\$	\$ 1,494,728.60

Proposed	\$ 1,721,734.00
Savings	\$ 227,005.40

QUANTITY OF METERS NOT REQUIRING PURCHASE OR INSTALLATION	2587
TOTAL SAVING ON METERS NOT REQUIRING PURCHASE	\$ 434,844.82
TOTAL SAVING ON METERS NOT REQUIRING INSTALLATION	\$ 227,005.40
TOTAL SAVING ON ENDPOINTS NOT REQUIRING INSTALLATION	\$ 25,800.00
TOTAL SAVING ON LARGE METERS NOT REQUIRING RF	\$ 27,864.00
TOTAL SAVINGS	\$ 715,514.22

ACCT#	CUSTOMER NAME	STR	STREET	TOWN/CITY	METER TYPE	COMPOUND METER	SERIAL#	METERS	SIZE	METER TESTING	UM & BYPASS COST	LARGE METER UM COST	BYPASS COST	UM & BYPASS INSTALLATION	SITE SURVEY
1	116526 CAL CHEMICAL CORP	592	ASBOLD RD	02816	TRIFID	COMPOUND METER	115626	31922042A	6	\$ 600.00	\$ 1,764.00	\$ 1,764.00	\$ 700.00	\$ 700.00	\$ 175.00
2	114442 CAL CHEMICAL CORP	592	ASBOLD RD	02816	TRIFID	COMPOUND METER	114442	17059707A	6	\$ 600.00	\$ 1,764.00	\$ 1,764.00	\$ 700.00	\$ 700.00	\$ 175.00
3	116861 CLUB JACOUES	184	BOSTON ST	02816	BYPASS		1810338352	70174220A	1	\$ 600.00	\$ 215.25		\$ 215.25	\$ 600.00	\$ 175.00
4	116860 CLUB JACOUES	184	BOSTON ST	02816	BYPASS		1810338122	70174220	4	\$ 600.00	\$ 1,239.00	\$ 1,239.00	\$ 446.25	\$ 300.00	\$ 175.00
5	116587 BUFFALO LODGING ASSOCIATES	850	CENTRE OF N E BLVD	02816	BYPASS		1830605517	70109101A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 404.00	\$ 300.00	\$ 175.00
6	116586 BUFFALO LODGING ASSOCIATES	850	CENTRE OF N E BLVD	02816	BYPASS		1810033892	70109075	10	\$ 600.00	\$ 2,814.00	\$ 2,814.00	\$ 446.25	\$ 300.00	\$ 175.00
7	116943 COMMERCE PARK MANAGEMENT LLC		CENTRE OF N E BLVD	02816	BYPASS		1810016336	70199575A	2	\$ 600.00	\$ 404.00		\$ 404.00	\$ 1,200.00	\$ 175.00
8	116942 COMMERCE PARK MANAGEMENT LLC		CENTRE OF N E BLVD	02816	BYPASS		1810033892	70109075	10	\$ 600.00	\$ 2,814.00	\$ 2,814.00	\$ 446.25	\$ 300.00	\$ 175.00
9	116988 COMMERCE PARK MANAGEMENT LLC		CENTRE OF N E BLVD	02816	BYPASS		1810016336	70199575	2	\$ 600.00	\$ 404.00		\$ 404.00	\$ 1,200.00	\$ 175.00
10	116987 COMMERCE PARK MGMT LLC		CENTRE OF N E BLVD	02816	BYPASS		1810016336	70199575	2	\$ 600.00	\$ 404.00		\$ 404.00	\$ 1,200.00	\$ 175.00
11	117032 SONCIA ENTERPRISES	22	COVENTRY SHOPPERS PK	02816	BYPASS		18301636112	70273980A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
12	117031 SONCIA ENTERPRISES	22	COVENTRY SHOPPERS PK	02816	BYPASS		1820591465	70227960	8	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
13	117072 COVENTRY MEADOWS	25	EDDIE ST	02816	BYPASS		1832213989	70248253A	2	\$ 600.00	\$ 2,289.00	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
14	117071 COVENTRY MEADOWS	25	EDDIE ST	02816	BYPASS		1832213989	70248253	2	\$ 600.00	\$ 2,289.00	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
15	117339 REBUILDERS AUTO SUPPLY	1650	PLAT RIVER RD	02816	BYPASS		1546655404	70345276A	2	\$ 600.00	\$ 404.00		\$ 404.00	\$ 1,200.00	\$ 175.00
16	117338 REBUILDERS AUTO SUPPLY	1650	PLAT RIVER RD	02816	BYPASS		1546655404	70345276	10	\$ 600.00	\$ 2,814.00	\$ 2,814.00	\$ 446.25	\$ 300.00	\$ 175.00
17	117609 COVENTRY PUBLIC SCHOOLS	15	FOSTER DR	02816	BYPASS		1542656274	70118647A	1	\$ 600.00	\$ 215.25		\$ 215.25	\$ 600.00	\$ 175.00
18	116903 COVENTRY PUBLIC SCHOOLS	15	FUSTER DR	02816	BYPASS		1541743338	70118647	4	\$ 600.00	\$ 1,239.00	\$ 1,239.00	\$ 446.25	\$ 300.00	\$ 175.00
19	207167 HOWARD AVENUE REALTY	9	HOWARD AVE	02816	BYPASS		1834400330	70266924A	1	\$ 600.00	\$ 215.25		\$ 215.25	\$ 600.00	\$ 175.00
20	207166 HOWARD AVENUE REALTY	9	HOWARD AVE	02816	BYPASS		1834400330	70266924	1	\$ 600.00	\$ 215.25		\$ 215.25	\$ 600.00	\$ 175.00
21	117077 BOSTON SCIENTIFIC	8	INDUSTRIAL DR	02816	BYPASS		1832342856	70237381A	1 1/2	\$ 600.00	\$ 1,239.00	\$ 1,239.00	\$ 372.00	\$ 300.00	\$ 175.00
22	117346 BOSTON SCIENTIFIC	8	INDUSTRIAL DR	02816	BYPASS		1832342856	70237381A	1 1/2	\$ 600.00	\$ 1,239.00	\$ 1,239.00	\$ 372.00	\$ 300.00	\$ 175.00
23	117402 SEASIDE CASUAL	11	INDUSTRIAL DR	02816	BYPASS		1350438116	70363172A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
24	117401 SEASIDE CASUAL	11	INDUSTRIAL DR	02816	BYPASS		1350438116	70363172A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
25	116865 GILLESPIE COURT LLC	6	JEFFERSON DR	02816	BYPASS		1461402975	70167456A	1 1/2	\$ 600.00	\$ 372.00	\$ 1,764.00	\$ 372.00	\$ 300.00	\$ 175.00
26	116864 GILLESPIE COURT LLC	6	JEFFERSON DR	02816	BYPASS		1461402975	70167456	6	\$ 600.00	\$ 1,764.00	\$ 1,764.00	\$ 800.00	\$ 800.00	\$ 175.00
27	116622 COVENTRY CROSSROADS APTS	1	LACOLLE LN	02816	BYPASS		116622	70121899A	3/4	\$ 600.00	\$ 174.75		\$ 174.75	\$ 75.00	\$ 175.00
28	116621 COVENTRY CROSSROADS APTS	1	LACOLLE LN	02816	BYPASS		116622	70121899	4	\$ 600.00	\$ 1,239.00	\$ 1,239.00	\$ 446.25	\$ 300.00	\$ 175.00
29	117066 CONCORDIA	4	LAUREL AVE	02816	BYPASS		1831451237	70239468A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
30	117065 CONCORDIA	4	LAUREL AVE	02816	BYPASS		1831451237	70239468A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
31	115650 HOMETOWN WESTWOOD LLC	1A	LUNA ROSE WAY	02816	BYPASS		115650	7006788A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
32	115651 HOMETOWN WESTWOOD LLC	1A	LUNA ROSE WAY	02816	BYPASS		115650	7006788A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
33	117394 CCAP	191	MACARTHUR BLVD	02816	BYPASS		1820957220	7033788	8	\$ 600.00	\$ 2,289.00	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
34	117393 CCAP	191	MACARTHUR BLVD	02816	BYPASS		1549206406	70357309A	1 1/2	\$ 600.00	\$ 372.00		\$ 372.00	\$ 300.00	\$ 175.00
35	207209 ARKWRIGHT ADVANCED COATING INC	535	MAIN ST	02816	BYPASS		1546679530	70345382A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
36	207208 ARKWRIGHT ADVANCED COATING INC	535	MAIN ST	02816	BYPASS		1546679530	70345382	8	\$ 600.00	\$ 2,289.00	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
37	206532 RIVERVIEW NURSING HOME	546	MAIN ST	02816	BYPASS		206532	70027808A	1 1/2	\$ 600.00	\$ 372.00	\$ 1,764.00	\$ 372.00	\$ 300.00	\$ 175.00
38	206531 RIVERVIEW NURSING HOME	546	MAIN ST	02816	BYPASS		206531	70027808	6	\$ 600.00	\$ 1,764.00	\$ 1,764.00	\$ 800.00	\$ 800.00	\$ 175.00
39	207178 HARRIS MILL LOFTS	618	MAIN ST	02816	BYPASS		1832409387	70294446A	1 1/2	\$ 600.00	\$ 372.00	\$ 1,764.00	\$ 372.00	\$ 300.00	\$ 175.00
40	207177 HARRIS MILL LOFTS	618	MAIN ST	02816	BYPASS		1832417080	70294446	6	\$ 600.00	\$ 1,764.00	\$ 1,764.00	\$ 800.00	\$ 800.00	\$ 175.00
41	117352 RIVER EDGE CONDOMINIUM	1320	MAIN ST	02816	BYPASS		154670974A	7034508A	3/4	\$ 600.00	\$ 174.75		\$ 174.75	\$ 75.00	\$ 175.00
42	117351 RIVER EDGE CONDOMINIUM	1320	MAIN ST	02816	BYPASS		154670974A	7034508A	3/4	\$ 600.00	\$ 174.75		\$ 174.75	\$ 75.00	\$ 175.00
43	117056 COVENTRY HOUSING AUTHORITY	14	MANGELTIESTER CIR	02816	BYPASS		1830635910	702403408A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
44	117055 COVENTRY HOUSING AUTHORITY	14	MANGELTIESTER CIR	02816	BYPASS		1830635910	702403408	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
45	114946 COVENTRY HOUSING AUTHORITY	30	MULLIGAN DR	02816	BYPASS		1832417595	701938737A	1 1/2	\$ 600.00	\$ 372.00	\$ 1,764.00	\$ 372.00	\$ 300.00	\$ 175.00
46	114947 COVENTRY HOUSING AUTHORITY	30	MULLIGAN DR	02816	BYPASS		1832409387	701938737	6	\$ 600.00	\$ 1,764.00	\$ 1,764.00	\$ 800.00	\$ 800.00	\$ 175.00
47	116955 COLE MT COVENTRY R LLC	2100	NEW LONDON TPK	02816	BYPASS		1821029893	70200667A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
48	116954 COLE MT COVENTRY R LLC	2100	NEW LONDON TPK	02816	BYPASS		1821029893	70200667	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
49	116734 LEISURE CONDOMINIUM ASSOC	1740	NOKSNECK HILL RD	02816	BYPASS		116734	70129897A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
50	116733 LEISURE CONDOMINIUM ASSOC	1740	NOKSNECK HILL RD	02816	BYPASS		116733	70129897	8	\$ 600.00	\$ 2,289.00	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
51	116763 COVENTRY LUMBER INC.	2030	NOKSNECK HILL RD	02816	BYPASS		116763	70144371A	2	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
52	116762 COVENTRY LUMBER INC.	2030	NOKSNECK HILL RD	02816	BYPASS		116762	70144371	8	\$ 600.00	\$ 446.25	\$ 2,289.00	\$ 446.25	\$ 300.00	\$ 175.00
53	115951 MAPLE ROOT CORP	2155	NOKSNECK HILL RD	02816	BYPASS		115951	70035427A	1 1/2	\$ 600.00	\$ 372.00	\$ 1,764.00	\$ 372.00	\$ 300.00	\$ 175.00
54	116096 MAPLE ROOT CORP	2155	NOKSNECK HILL RD	02816	BYPASS		116096	70035427	6	\$ 600.00	\$ 1,764.00	\$ 1,764.00	\$ 800.00	\$ 800.00	\$ 175.00
55	116791 PAWK CREST HOMEOWNERS ASSOC		NORTUP RD	02816	BYPASS		116791	70140287A	2	\$ 600.00	\$ 446.25	\$ 2,289.			

221	313101	ALBANY RD 1351 SO COUNTY LLC	1351 SO COUNTY TR	02818	BYPASS	COMPOUND METER	313101	70052598A	2	\$	446.25	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
222	313100	ALBANY RD 1351 SO COUNTY LLC	1351 SO COUNTY TR	02818	PROHIB	COMPOUND METER	313100	70052598	10	\$	2,814.00	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
223	313938	LIFE SPAN CARE CENTER	1454 SO COUNTY TR	02818	BYPASS	COMPOUND METER	18143987A	70266927A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
224	313937	LIFE SPAN CARE CENTER	1454 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1814400129	70266927	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
225	314028	1485 HOLDINGS LLC	1485 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1546713332	70345383A	2	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
226	314027	1485 HOLDINGS LLC	1485 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1546683610	70345383	8	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
227	313866	UNITED METHODIST CHURCH	1558 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1830342957	70200222A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
228	313865	UNITED METHODIST CHURCH	1558 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1830292603	70200222	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
229	313942	1598 SOUTH COUNTY TRAIL LLC	1598 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1834589200	70270866A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
230	313941	1598 SOUTH COUNTY TRAIL LLC	1598 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1834589200	70270866	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
231	313873	SO COUNTY TR MEDICAL OFFICES	1672 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1820685341	70201937A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
232	313872	SO COUNTY TR MEDICAL OFFICES	1672 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1820686135	70201937	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
233	314040	ONE AMERICA WAY LLC	1950 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1542780168	70357307A	2	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
234	314039	ONE AMERICAN WAY LLC	1950 SO COUNTY TR	02818	PROHIB	COMPOUND METER	146160830	70357307	8	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
235	312646	EAGLEPICTER TECHNOLOGIES LLC	2000 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1834565594	31983147A	2	\$	446.25	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
236	312645	EAGLEPICTER TECHNOLOGIES LLC	2000 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1834565594	31983147	8	\$	600.00	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
237	312674	2240 SO COUNTY TRAIL	2240 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1543121230	70011596A	2	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
238	312673	2240 SO COUNTY TRAIL	2240 SO COUNTY TR	02818	PROHIB	COMPOUND METER	312673	70011596	8	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
239	313793	HARRY R LEWIS & SON INC	2400 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1810330346	70170619A	2	\$	446.25	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
240	313792	HARRY R LEWIS & SON INC	2400 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1810330346	70170619	8	\$	600.00	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
241	313916	UNCLE BOBS SELF STORAGE	2771 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1832059144	70251894A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
242	313915	UNCLE BOBS SELF STORAGE	2771 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1832059144	70251894	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
243	313965	EXECUTIVE MILITARY STAFF	2841 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1850138610	70274665A	2	\$	600.00	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
244	313964	EXECUTIVE MILITARY STAFF	2841 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1850446595	70274665	10	\$	600.00	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
245	313952	STORCK'S NEST	3116 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1850657388	70284613A	1	\$	215.50	\$	1,239.00	\$	215.50	\$	185.00	\$	600.00	\$	175.00
246	313951	STORCK'S NEST	3116 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1850657388	70284613	4	\$	600.00	\$	1,239.00	\$	215.50	\$	185.00	\$	600.00	\$	175.00
247	313887	GRANMA REALTY	3285 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1821175233	70213138A	1	\$	215.25	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00
248	313886	GRANMA REALTY	3285 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1821168160	70213138	4	\$	600.00	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00
249	313504	AIM HIGH REALTY LLC	3335 SO COUNTY TR	02818	BYPASS	COMPOUND METER	313504	70093215A	1	\$	215.25	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00
250	313503	AIM HIGH REALTY LLC	3335 SO COUNTY TR	02818	PROHIB	COMPOUND METER	313503	70093215	4	\$	600.00	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00
251	313864	SCUBA LLC	3461 SO COUNTY TR	02818	BYPASS	COMPOUND METER	1820605614	70200437A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
252	313863	SCUBA LLC	3461 SO COUNTY TR	02818	PROHIB	COMPOUND METER	1820605614	70200437	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
253	314121	ST ELIZABETH HOME EG	ST ELIZABETH WAY	02818	BYPASS	COMPOUND METER	314121	70075457A	2	\$	446.25	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
254	314120	ST ELIZABETH HOME EG	ST ELIZABETH WAY	02818	PROHIB	COMPOUND METER	314120	70075457	8	\$	600.00	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
255	313823	VISTAS ON THE TRAIL	101 VISTAS CT	02818	BYPASS	COMPOUND METER	1461863712	70168040A	2	\$	446.25	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
256	313822	VISTAS ON THE TRAIL	101 VISTAS CT	02818	PROHIB	COMPOUND METER	1461863712	70168040	10	\$	600.00	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
257	206272	EAGLE GLEN HOMEOWNER'S ASSOC	EAGLE GLEN	02831	BYPASS	COMPOUND METER	183202175	3197952A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
258	206271	EAGLE GLEN HOMEOWNER'S ASSOC	EAGLE GLEN	02831	PROHIB	COMPOUND METER	183202175	3197952	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
259	313901	HIGH LEAK COMMERCIAL ASSOC LLC	5941 POINT RD	02832	BYPASS	COMPOUND METER	1831407952	70238610A	2	\$	446.25	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
260	313900	HIGH LEAK COMMERCIAL ASSOC LLC	5941 POINT RD	02832	PROHIB	COMPOUND METER	1831407952	70238610	8	\$	600.00	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
261	314007	TARBOX HYUNDAI	3665 QUAKER LN	02832	BYPASS	COMPOUND METER	1543711642	7010277A	2	\$	446.25	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
262	314008	TARBOX HYUNDAI	3665 QUAKER LN	02832	PROHIB	COMPOUND METER	1543711642	7010277	8	\$	600.00	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
263	313921	TARBOX TOYOTA	3671 QUAKER LN	02832	BYPASS	COMPOUND METER	1832371938	70235920A	2	\$	446.25	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
264	313920	TARBOX TOYOTA	3671 QUAKER LN	02832	PROHIB	COMPOUND METER	1832371938	70235920	8	\$	600.00	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
265	207897	BAIRD HILL CAR WASH	837 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	1551507898	70188665A	5/8	\$	159.08	\$	1,239.00	\$	159.08	\$	600.00	\$	1,200.00	\$	175.00
266	207896	BAIRD HILL CAR WASH	837 BAIRD HILL RD	02886	PROHIB	COMPOUND METER	1551507898	70188665	3	\$	600.00	\$	1,239.00	\$	159.08	\$	600.00	\$	1,200.00	\$	175.00
267	206635	BAIRD HILL DOCKIE	1035 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	1541008896	7006948A	1	\$	215.25	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00
268	206634	BAIRD HILL DOCKIE	1035 BAIRD HILL RD	02886	PROHIB	COMPOUND METER	1541008896	7006948	4	\$	600.00	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00
269	206686	WALGREEN CO.	1074 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	206686	70079112A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
270	206685	WALGREEN CO.	1074 BAIRD HILL RD	02886	PROHIB	COMPOUND METER	206685	70079112	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
271	206345	LESH'S FLOOR MART #285	1085 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	206345	70030085A	1	\$	215.25	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00
272	206344	LESH'S FLOOR MART #285	1085 BAIRD HILL RD	02886	PROHIB	COMPOUND METER	206344	70030085	4	\$	600.00	\$	1,239.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
273	313158	1500 BEIR LLC	1500 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	312458	3196416A	2	\$	446.25	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
274	313159	1500 BEIR LLC	1500 BAIRD HILL RD	02886	PROHIB	COMPOUND METER	312458	3196416	10	\$	600.00	\$	2,814.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
275	117344	HERS CHAMBERS CADILLAC	1511 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	1831514924	70260144A	1 1/2	\$	372.00	\$	1,764.00	\$	372.00	\$	300.00	\$	1,200.00	\$	175.00
276	117343	HERS CHAMBERS CADILLAC	1511 BAIRD HILL RD	02886	PROHIB	COMPOUND METER	1831514924	70260144	6	\$	600.00	\$	1,764.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
277	116742	INSKIP MGMT CO	1515 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	116742	70139982A	2	\$	446.25	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
278	116741	INSKIP MGMT CO	1515 BAIRD HILL RD	02886	PROHIB	COMPOUND METER	116742	70139982	8	\$	600.00	\$	2,289.00	\$	446.25	\$	300.00	\$	1,200.00	\$	175.00
279	116117	IRA ENTERPRISES LLC	1755 BAIRD HILL RD	02886	BYPASS	COMPOUND METER	116117	70048366A	1	\$	215.25	\$	1,239.00	\$	215.25	\$	185.00	\$	600.00	\$	175.00

295	CHILD INC.	849	CENTERVILLE RD	02886	BYPASS	COMPOUND METTER	116499	31843978A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	175.00
296	CHILD INC.	849	CENTERVILLE RD	02886	PROIIL	COMPOUND METTER	116498	31843978	6	\$	1,764.00	\$	1,764.00	\$	800.00	\$	175.00
297	CENTERVILLE COMMONS	875	CENTERVILLE RD	02886	BYPASS	COMPOUND METTER	1545610984	70339187A	1 1/2	\$	372.00	\$	372.00	\$		\$	
298	CENTERVILLE COMMONS	875	CENTERVILLE RD	02886	PROIIL	COMPOUND METTER	1545612508	70339187	6	\$	600.00	\$	600.00	\$	2,380.00	\$	175.00
299	KENT COUNTY YMCA	900	CENTERVILLE RD	02886	BYPASS	COMPOUND METTER	1541034972	70073826A	1	\$	215.25	\$	215.25	\$	600.00	\$	175.00
300	KENT COUNTY YMCA	900	CENTERVILLE RD	02886	PROIIL	COMPOUND METTER	313341	70075826	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	
301	CENTERVILLE GARDENS	1209	CENTERVILLE RD	02886	BYPASS	COMPOUND METTER	1540625054	70312347A	2	\$	446.25	\$	446.25	\$		\$	
302	CENTERVILLE GARDENS	1209	CENTERVILLE RD	02886	PROIIL	COMPOUND METTER	1540547640	70312347	8	\$	2,289.00	\$	2,289.00	\$		\$	
303	COLLEGE PARK CONDO ASSOC	29-33	COLLEGE HILL RD	02886	HYPASS	COMPOUND METTER	1552216518	70370111A	1	\$	215.25	\$	215.25	\$		\$	
304	COLLEGE PARK CONDO ASSOC	29-33	COLLEGE HILL RD	02886	PROIIL	COMPOUND METTER	1552222908	70370111	4	\$	600.00	\$	1,239.00	\$		\$	
305	SPARROW POINT II	777	COMFESITT RD	02886	BYPASS	COMPOUND METTER	312586	00005561A	5/8	\$	159.08	\$	159.08	\$	125.00	\$	175.00
306	SPARROW POINT II	777	COMFESITT RD	02886	TRUFLO	COMPOUND METTER	312587	5561	3	\$	600.00	\$	976.50	\$	500.00	\$	175.00
307	COBBLESTONE VILLAGE	307	COMFESITT RD	02886	BYPASS	COMPOUND METTER	313401	7007244A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	
308	COBBLESTONE VILLAGE	308	COMFESITT RD	02886	PROIIL	COMPOUND METTER	313400	7007244	6	\$	600.00	\$	1,764.00	\$	800.00	\$	175.00
309	CARPIONATO PROPERTIES INC	100	CROSSING BLVD	02886	BYPASS	COMPOUND METTER	1820215337	70164999A	2	\$	446.25	\$	446.25	\$	300.00	\$	175.00
310	CARPIONATO PROPERTIES INC	100	CROSSING BLVD	02886	PROIIL	COMPOUND METTER	1820216233	70164999	10	\$	2,814.00	\$	2,814.00	\$	1,200.00	\$	175.00
311	PRIME MARINA EG HOLDINGS LLC	3	DIVISION ST	02886	HYPASS	COMPOUND METTER	313144	31933778A	3/4	\$	174.75	\$	174.75	\$	75.00	\$	
312	PRIME MARINA EG HOLDINGS LLC	3	DIVISION ST	02886	TRUFLO	COMPOUND METTER	312210	31933778	4	\$	619.50	\$	619.50	\$		\$	
313	COMMUNITY COLLEGE OF R.I.	486	EAST AVE	02886	BYPASS	COMPOUND METTER	1551736084	70357310A	1 1/2	\$	372.00	\$	372.00	\$		\$	
314	COMMUNITY COLLEGE OF R.I.	486	EAST AVE	02886	PROIIL	COMPOUND METTER	1546266560	70357310	6	\$	600.00	\$	2,289.00	\$		\$	
315	VISHAY ELECTRO FILMS	111	GILBANE ST	02886	BYPASS	COMPOUND METTER	1543032560	70323570A	1	\$	215.25	\$	215.25	\$		\$	
316	VISHAY ELECTRO FILMS	111	GILBANE ST	02886	PROIIL	COMPOUND METTER	1543104476	70323570	4	\$	600.00	\$	1,239.00	\$		\$	
317	GREENWOOD COMMONS CONDO ASSOC	881	GREENWICH AVE	02886	BYPASS	COMPOUND METTER	313685	70086295A	2	\$	446.25	\$	446.25	\$	300.00	\$	175.00
318	GREENWOOD COMMONS CONDO ASSOC	881	GREENWICH AVE	02886	PROIIL	COMPOUND METTER	313684	70086295	8	\$	2,289.00	\$	2,289.00	\$	1,000.00	\$	175.00
319	SPARROW POINT I	311	HARDING RD	02886	BYPASS	COMPOUND METTER	312584	31979765A	5/8	\$	159.08	\$	159.08	\$	125.00	\$	
320	SPARROW POINT I	311	HARDING RD	02886	TRUFLO	COMPOUND METTER	312585	31979765	3	\$	976.50	\$	976.50	\$	500.00	\$	175.00
321	SPARROW POINT III	321	HARDING RD	02886	BYPASS	COMPOUND METTER	1545135952	00005560A	5/8	\$	600.00	\$	976.50	\$		\$	
322	SPARROW POINT III	355	HARDING RD	02886	TRUFLO	COMPOUND METTER	1545646310	5560	3	\$	600.00	\$	976.50	\$		\$	
323	GREENWICH MILLS LLC	42	LAIRD ST	02886	BYPASS	COMPOUND METTER	312665	31968674A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	175.00
324	GREENWICH MILLS LLC	42	LAIRD ST	02886	PROIIL	COMPOUND METTER	305818	31968674	6	\$	600.00	\$	1,764.00	\$	800.00	\$	175.00
325	SPENCER HILL CONDO ASSOC	325	MAJOR POTTER RD	02886	BYPASS	COMPOUND METTER	1820018098	70001466A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	
326	SPENCER HILL CONDO ASSOC	325	MAJOR POTTER RD	02886	PROIIL	COMPOUND METTER	1820017843	70001466	6	\$	600.00	\$	1,764.00	\$	800.00	\$	175.00
327	BREWER COMFESITT MARINA N. 3515	1	MASTHEAD DR	02886	BYPASS	COMPOUND METTER	1460215334	70047460A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	
328	BREWER COMFESITT MARINA N. 3515	1	MASTHEAD DR	02886	PROIIL	COMPOUND METTER	313074	70047460	6	\$	600.00	\$	1,764.00	\$	800.00	\$	175.00
329	JF ALLEN & SON INC	100	MEADOW ST	02886	BYPASS	COMPOUND METTER	1440381673	70155352A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	175.00
330	JF ALLEN & SON INC	100	MEADOW ST	02886	PROIIL	COMPOUND METTER	1440381672	70155352	6	\$	600.00	\$	1,764.00	\$	800.00	\$	175.00
331	VALLEY CC INVESTORS LLC	251	NEW LONDON AVE	02886	BYPASS	COMPOUND METTER	1832249953	70144499A	5/8	\$	159.08	\$	159.08	\$	125.00	\$	
332	VALLEY CC INVESTORS LLC	251	NEW LONDON AVE	02886	TRUFLO	COMPOUND METTER	1832447754	70144499	3	\$	600.00	\$	976.50	\$	500.00	\$	175.00
333	VALLEY CC INVESTORS LLC	231	NEW LONDON AVE	02886	BYPASS	COMPOUND METTER	1460394764	70144813A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	
334	VALLEY CC INVESTORS LLC	231	NEW LONDON AVE	02886	PROIIL	COMPOUND METTER	1830239032	70206300A	1	\$	215.25	\$	215.25	\$	185.00	\$	175.00
335	VALLEY VIEW CONDOMINIUM INC	325	NEW LONDON AVE	02886	BYPASS	COMPOUND METTER	1540612192	70307820A	2	\$	446.25	\$	446.25	\$	300.00	\$	
336	VALLEY VIEW CONDOMINIUM INC	325	NEW LONDON AVE	02886	TRUFLO	COMPOUND METTER	1540988336	70307820	8	\$	2,289.00	\$	2,289.00	\$	1,000.00	\$	175.00
337	MANNN CHEMICAL	3134	POST RD	02886	BYPASS	COMPOUND METTER	313061	70292900	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
338	MANNN CHEMICAL	3134	POST RD	02886	PROIIL	COMPOUND METTER	1830324145	31926509	1	\$	215.25	\$	215.25	\$	185.00	\$	
339	HOUSE OF HOPE CDC	3188	POST RD	02886	BYPASS	COMPOUND METTER	1830822376	70206300	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
340	HOUSE OF HOPE CDC	3188	POST RD	02886	PROIIL	COMPOUND METTER	313062	70292900A	1	\$	215.25	\$	215.25	\$	185.00	\$	
341	ENGINE INSIGHT SERVICES INC	3336	POST RD	02886	BYPASS	COMPOUND METTER	1543424288	31918332A	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
342	ENGINE INSIGHT SERVICES INC	3336	POST RD	02886	PROIIL	COMPOUND METTER	1543424288	31918332	3/4	\$	174.75	\$	174.75	\$		\$	
343	HOLLOW CREST APARTMENTS	3465	POST RD	02886	BYPASS	COMPOUND METTER	1830388339	31926509A	6	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
344	HOLLOW CREST APARTMENTS	3465	POST RD	02886	TRUFLO	COMPOUND METTER	1543676292	31968559A	2	\$	446.25	\$	446.25	\$	300.00	\$	
345	COMFESITT HILLS ASSOC	3595	POST RD	02886	BYPASS	COMPOUND METTER	310162	31968559	8	\$	2,289.00	\$	2,289.00	\$	1,000.00	\$	175.00
346	COMFESITT HILLS ASSOC	3595	POST RD	02886	PROIIL	COMPOUND METTER	1830343642	70213139A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	
347	BAY WINDS CONDO ASSOCIATION	3960	POST RD	02886	BYPASS	COMPOUND METTER	1820784899	70213139	6	\$	600.00	\$	1,764.00	\$	800.00	\$	175.00
348	BAY WINDS CONDO ASSOCIATION	3960	POST RD	02886	PROIIL	COMPOUND METTER	1545045368	70333531A	1 1/2	\$	372.00	\$	372.00	\$		\$	
349	BRENTWOOD BY THE BAY LTD	4040	POST RD	02886	BYPASS	COMPOUND METTER	1545044182	70335351	6	\$	600.00	\$	2,289.00	\$		\$	
350	BRENTWOOD BY THE BAY LTD	4040	POST RD	02886	PROIIL	COMPOUND METTER	1831687084	70233378A	1	\$	215.25	\$	215.25	\$	185.00	\$	175.00
351	TOROS JOHANIAN	561	PROVIDENCE ST	02886	BYPASS	COMPOUND METTER	1831687084	70233378A	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
352	TOROS JOHANIAN	561	PROVIDENCE ST	02886	PROIIL	COMPOUND METTER	1830692869	70115792A	2	\$	446.25	\$	446.25	\$	300.00	\$	
353	QUAIL RIDGE CONDO ASSOC	222	QUAKER LN	02886	BYPASS	COMPOUND METTER	1820682356	70115792	8	\$	2,289.00	\$	2,289.00	\$	1,000.00	\$	175.00
354	QUAIL RIDGE CONDO ASSOC	222	QUAKER LN	02886	PROIIL	COMPOUND METTER	1831301792	70150742A	2	\$	446.25	\$	446.25	\$	300.00	\$	
355	JD RI SUPREMACY COURT	300	QUAKER LN	02886	BYPASS	COMPOUND METTER	1821048695	70210130A	2	\$	446.25	\$	446.25	\$	300.00	\$	
356	JD RI SUPREMACY COURT	300	QUAKER LN	02886	PROIIL	COMPOUND METTER	1821078158	70210130	8	\$	2,289.00	\$	2,289.00	\$	1,000.00	\$	175.00
357	AMCAP COMFESITT LLC	300	QUAKER LN	02886	BYPASS	COMPOUND METTER	313332	70073642A	2	\$	446.25	\$	446.25	\$	300.00	\$	
358	AMCAP COMFESITT LLC	300	QUAKER LN	02886	PROIIL	COMPOUND METTER	1852377487	70272642	10	\$	600.00	\$	2,814.00	\$	2,814.00	\$	175.00
359	QUAKER REAL ESTATE LLC	444	QUAKER LN	02886	BYPASS	COMPOUND METTER	1830103902	70215490A	1 1/2	\$	372.00	\$	372.00	\$	300.00	\$	
360	QUAKER REAL ESTATE LLC	444	QUAKER LN	02886	PROIIL	COMPOUND METTER	1830104019	70215490	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
361	CUSIMAN & WAKEFIELD	650	QUAKER LN	02886	BYPASS	COMPOUND METTER	1850609940	70206877A	3/4	\$	174.75	\$	174.75	\$	75.00	\$	
362	CUSIMAN & WAKEFIELD	650	QUAKER LN	02886	PROIIL	COMPOUND METTER	1547338832	70206877	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
363	CUSIMAN & WAKEFIELD	804	QUAKER LN	02886	BYPASS	COMPOUND METTER	1549028864	70011110A	1 1/2	\$	372.00	\$	372.00	\$		\$	
364	CUSIMAN & WAKEFIELD	804	QUAKER LN	02886	PROIIL	COMPOUND METTER	1549031428	70011110	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
365	STANLEY SLOWICK - VICE PRES	940	QUAKER LN	02886	BYPASS	COMPOUND METTER	1830383637	31922160	2	\$	446.25	\$	446.25	\$	300.00	\$	
366	STANLEY SLOWICK - VICE PRES	940	QUAKER LN	02886	PROIIL	COMPOUND METTER	1830412286	31922160A	8	\$	2,289.00	\$	2,289.00	\$	1,000.00	\$	175.00
367	BRIARWOOD MEADOWS CORP	940	QUAKER LN	02886	BYPASS	COMPOUND METTER				\$	446.25	\$	446.25	\$	300.00	\$	
368	BRIARWOOD MEADOWS CORP	940	QUAKER LN	02886	PROIIL	COMPOUND METTER				\$	2,289.00	\$	2,289.00	\$	1,000.00	\$	175.00

369	313073	NORTHEAST THEATRE CORP	1200 QUAKER LN	02886	HYPASS	183013926	70052628A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
370	31192	NORTHEAST THEATRE CORP	1200 QUAKER LN	02886	PROIIL	156242890	70052628	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	1,000.00
371	117087	BAL TIC QUAKER LLC	30-60 QUAKER LN	02886	BYPASS	183134407	70260729A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
372	117086	BAL TIC QUAKER LLC	30-60 QUAKER LN	02886	PROIIL	183139731	70260729	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	600.00
373	312688	GRIMES BOX	112 TELMORE RD	02886	BYPASS	1546595518	31987058A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	175.00
374	312687	GRIMES BOX	112 TELMORE RD	02886	PROIIL	1485602846	31987058	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	600.00
375	314006	ALL AMERICAN ASSISTED LIVING	55 TOLLGATE HILL FARM RD	02886	BYPASS	1542682176	70324231A	2	\$	600.00	\$	446.25	\$	446.25	\$	175.00
376	314005	ALL AMERICAN ASSISTED LIVING	55 TOLLGATE HILL FARM RD	02886	PROIIL	1542682176	70324231A	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
377	313855	176 TOLLGATE RD ASSOC	176 TOLLGATE RD	02886	BYPASS	1820065854	70192092A	1	\$	600.00	\$	215.25	\$	215.25	\$	175.00
378	313855	176 TOLLGATE RD ASSOC	176 TOLLGATE RD	02886	PROIIL	1820349119	70192092	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	600.00
379	207087	KENT COUNTY MEMORIAL HOSPITAL	455 TOLLGATE RD	02886	BYPASS	1544833446	72020115A	3/4	\$	600.00	\$	174.75	\$	174.75	\$	175.00
380	206249	KENT COUNTY MEMORIAL HOSPITAL	455 TOLLGATE RD	02886	TRUFLO	1542029556	70202115	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	175.00
381	207155	KENT COUNTY MEMORIAL HOSPITAL	455 TOLLGATE RD	02886	BYPASS	1832265439	70252817A	2	\$	600.00	\$	446.25	\$	446.25	\$	300.00
382	207154	KENT COUNTY MEMORIAL HOSPITAL	455 TOLLGATE RD	02886	PROIIL	1831849446	70252817	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
383	206253	EYE HEALTH ASSOCIATES LLC	566 TOLLGATE RD	02886	BYPASS	206253	31971463A	1	\$	600.00	\$	215.25	\$	215.25	\$	175.00
384	206254	EYE HEALTH ASSOCIATES LLC	566 TOLLGATE RD	02886	PROIIL	206254	31971463	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	175.00
385	206839	STORKS NEST	1100 TOLLGATE RD	02886	BYPASS	1834598511	70114855A	1	\$	600.00	\$	215.25	\$	215.25	\$	175.00
386	206838	STORKS NEST	1100 TOLLGATE RD	02886	PROIIL	206838	70114856	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	600.00
387	313825	WARWICK FIRE DEPARTMENT	1111 VETERANS MEMORIAL DR	02886	BYPASS	1562833914	70167457A	1	\$	600.00	\$	215.25	\$	215.25	\$	175.00
388	313824	WARWICK FIRE DEPARTMENT	1111 VETERANS MEMORIAL DR	02886	PROIIL	1562886450	70167457	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	175.00
389	312280	APRONAUG BASEBALL LIAGUE	VETERANS MEMORIAL DR	02886	BYPASS	1547540766	31933777A	3/4	\$	600.00	\$	174.75	\$	174.75	\$	175.00
390	312728	APRONAUG BASEBALL LEAGUE	VETERANS MEMORIAL DR	02886	TRUFLO	1551713716	31933777	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	175.00
391	314046	KSL INVESTMENT CO - APRONAU	1350 GREENWICH AVE	02886	BYPASS	156333228	70374671A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	175.00
392	314045	KSL INVESTMENT CO - APRONAU	1350 GREENWICH AVE	02886	PROIIL	156333226	70374671	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
393	116974	WILDBERRY APARTMENTS	95 ARCHAMBAULT AVE	02893	BYPASS	1852728279	70199555A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
394	116973	WILDBERRY APARTMENTS	95 ARCHAMBAULT AVE	02893	PROIIL	1850585926	70199555	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	175.00
395	207150	RN WEST VALLEY INC LLC	4 BLOSSOM ST	02893	BYPASS	1830239548	70210145A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
396	207129	RN WEST VALLEY INC LLC	4 BLOSSOM ST	02893	PROIIL	1830239548	70210145	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
397	103950	CENTREVILLE MILL II LLC	3 BRIDAL AVE	02893	BYPASS	1820635359	31920701A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
398	115411	CENTREVILLE MILL II LLC	3 BRIDAL AVE	02893	PROIIL	1832497545	31920701A	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
399	116224	VALLEY INDUSTRIES #066210	155 BROOKSIDE AVE	02893	BYPASS	1852515594	70283893A	2	\$	600.00	\$	446.25	\$	446.25	\$	300.00
400	104115	VALLEY INDUSTRIES #066210	155 BROOKSIDE AVE	02893	PROIIL	1850714616	70283893	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
401	116841	LIAM P BARRY	62-66 BROOKSIDE AVE	02893	BYPASS	1810257698	70170020A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
402	116840	LIAM P BARRY	62-66 BROOKSIDE AVE	02893	PROIIL	1810264400	70170020	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	600.00
403	207110	WEST WARWICK B P O BLKS 1697	60 CLYDE ST	02893	BYPASS	1810014754	7019974A	1	\$	600.00	\$	215.25	\$	215.25	\$	175.00
404	207109	WEST WARWICK B P O BLKS 1697	60 CLYDE ST	02893	PROIIL	1820594104	7019974A	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	175.00
405	116867	ENGIE INSIGHT SERVICES INC	1 COWESITT AVE	02893	BYPASS	1810240426	70169955A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
406	116866	ENGIE INSIGHT SERVICES INC	1 COWESITT AVE	02893	PROIIL	1810230156	70169955	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	175.00
407	115227	THE ELMS	63 COWESITT AVE	02893	BYPASS	1834591180	70270878A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
408	115226	THE ELMS	63 COWESITT AVE	02893	PROIIL	1834589192	70270878B	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
409	116818	COWESITT INN INC	226 COWESITT AVE	02893	BYPASS	1460402259	70156415A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
410	113617	COWESITT INN INC	226 COWESITT AVE	02893	PROIIL	1460402258	70156415	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
411	313485	EXTENDED STAY HOTELS #1114	1200 DIVISION RD	02893	BYPASS	1830565040	70093043A	2	\$	600.00	\$	446.25	\$	446.25	\$	300.00
412	313484	EXTENDED STAY HOTELS - 1114	1200 DIVISION RD	02893	PROIIL	1832512689	70093043	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
413	310779A	BROOKWOOD WARWICK INVESTORS	1600 DIVISION RD	02893	BYPASS	1440209967	12390321A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
414	310798B	BROOKWOOD WARWICK INVESTORS	1600 DIVISION RD	02893	BAIJSER	1440209966	12390321B	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
415	313611	GARDENS OFFICE PK CONDO ASSOC	1350 DIVISION ST	02893	BYPASS	313611	70110643A	2	\$	600.00	\$	446.25	\$	446.25	\$	300.00
416	313610	GARDENS OFFICE PK CONDO ASSOC	1350 DIVISION ST	02893	PROIIL	313611	70110643	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
417	117617	GREENWICH PLACE APARTMENTS	50 DOGWOOD DR	02893	BYPASS	117617	60266932A	2	\$	600.00	\$	446.25	\$	446.25	\$	25.00
418	116516	GREENWICH PLACE APARTMENTS	50 DOGWOOD DR	02893	PROIIL	116516	60266932	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
419	116370	ASTRO-MED	600 EAST GREENWICH AVE	02893	BYPASS	116370	70069642A	2	\$	600.00	\$	446.25	\$	446.25	\$	300.00
420	116369	ASTRO-MED	600 EAST GREENWICH AVE	02893	PROIIL	116369	70069642	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
421	115316	ARCTIC DIV VENDOR #006210	33 FACTORY ST	02893	BYPASS	1837056837	31954395A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
422	102640	ARCTIC DIV VENDOR #006210	33 FACTORY ST	02893	PROIIL	1821166856	31954395	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
423	116859	WEST WARWICK YOUTH CENTER	40 FACTORY ST	02893	BYPASS	1810409354	70173257A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
424	116858	WEST WARWICK YOUTH CENTER	40 FACTORY ST	02894	PROIIL	1810445880	70173257	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	600.00
425	117278	WEST WARWICK SPORTS COMPLEX	100 FACTORY ST	02893	BYPASS	1542917166	70325771A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
426	117277	WEST WARWICK SPORTS COMPLEX	100 FACTORY ST	02894	PROIIL	1542917166	70325771	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
427	206250	HILCO ATHLETIC & GRAPHIC	55 GREENHILL ST	02893	TRUFLO	1830191405	31969859A	5/8	\$	600.00	\$	159.08	\$	159.08	\$	125.00
428	206251	HILCO ATHLETIC & GRAPHIC	55 GREENHILL ST	02893	PROIIL	206251	31969859	3	\$	600.00	\$	976.50	\$	976.50	\$	800.00
429	313159	CARD'S FURNITURE	6 JAMES P MURPHY HWY	02893	BYPASS	313159	70057931A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
430	313158	CARD'S FURNITURE	6 JAMES P MURPHY HWY	02893	PROIIL	313158	70057931	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
431	312377	COX COMMUNICATIONS INC	9 JAMES P MURPHY HWY	02893	BYPASS	1541522276	31955888A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
432	312378	COX COMMUNICATIONS INC	9 JAMES P MURPHY HWY	02893	PROIIL	1541831026	31955888	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
433	312863	ACADEMY FOR LITTLE CHILDREN	10 JAMES P MURPHY HWY	02893	BYPASS	312863	70029820A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
434	312862	ACADEMY FOR LITTLE CHILDREN	10 JAMES P MURPHY HWY	02893	PROIIL	312862	70029820	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	600.00
435	312876	WARWICK CHI LLC	14 JAMES P MURPHY HWY	02893	BYPASS	312876	70027807A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
436	312875	WARWICK CHI LLC	14 JAMES P MURPHY HWY	02893	PROIIL	312875	70027807	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
437	312732	WATERCO REAL ESTATE LLC	149 JAMES P MURPHY HWY	02893	BYPASS	1820697148	31969914A	1	\$	600.00	\$	215.25	\$	215.25	\$	185.00
438	312731	WATERCO REAL ESTATE LLC	149 JAMES P MURPHY HWY	02893	PROIIL	1821017141	31969914	4	\$	600.00	\$	1,239.00	\$	1,239.00	\$	600.00
439	312947	CBW LLC	1 KEVES WAY	02893	BYPASS	312947	70027809A	11/2	\$	600.00	\$	372.00	\$	372.00	\$	300.00
440	312946	CBW LLC	1 KEVES WAY	02893	PROIIL	312946	70027809	6	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00
441	313587	WEST WARWICK HOSPITALITY LLC	10 KEVES WAY	02893	BYPASS	313587	70109147A	2	\$	600.00	\$	446.25	\$	446.25	\$	300.00
442	313586	WEST WARWICK HOSPITALITY LLC	10 KEVES WAY	02893	PROIIL	313586	70109147	8	\$	600.00	\$	2,289.00	\$	2,289.00	\$	175.00

443	117085	COTTAGES AT WEST GLEN	181 LIGRIS AVE	02893	BYPASS	183246642	70252816A	1	\$	215.25	\$	215.25	\$	185.00	\$	175.00
444	117084	COTTAGES AT WEST GLEN CONDO	181 LIGRIS AVE	02893	PROJII	181184748	70252816	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
445	207037	PIENIX COMMONS CONDO ASSOC	771 MAIN ST	02893	BYPASS	181045966	70172005A	4	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
446	207036	PIENIX COMMONS CONDO ASSOC	771 MAIN ST	02893	PROJII	1843122418	70172005	1	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
447	207146	WEST WARWICK HOUSING AUTHORITY	1021 MAIN ST	02893	BYPASS	1830431255	70223830A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
448	207145	WEST WARWICK HOUSING AUTHORITY	1021 MAIN ST	02893	PROJII	1830431193	70223830	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
449	116583	WEST WARWICK DT LLC	1125 MAIN ST	02893	BYPASS	116583	70106885A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
450	116582	WEST WARWICK DT LLC	1125 MAIN ST	02893	PROJII	116582	70106885	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
451	116380	WALGREEN CO.	1155 MAIN ST	02893	BYPASS	116380	70076629A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
452	116379	WALGREEN CO.	1155 MAIN ST	02893	PROJII	116379	70076629	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
453	116643	THUNDERMIST	1225 MAIN ST	02893	BYPASS	116643	70130409A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
454	104346	THUNDERMIST	1225 MAIN ST	02893	PROJII	104346	70130409	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
455	117281	ENGINE INSIGHT SERVICES INC	1270 MAIN ST	02893	BYPASS	1343856382	7032681A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
456	117280	ENGINE INSIGHT SERVICES INC	1270 MAIN ST	02893	PROJII	1543857408	7032681	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
457	116530	THE KENT CENTER	1315 MAIN ST	02893	BYPASS	116530	70094287A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
458	116529	THE KENT CENTER	1315 MAIN ST	02893	PROJII	1830439840	70094287	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
459	104258B	PAWTLCKET DYING & BLEACHING	1454 MAIN ST	02893	BYPASS	1545788716	70351697A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
460	104258A	PAWTLCKET DYING & BLEACHING	1454 MAIN ST	02893	PROJII	1549078640	70351697	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
461	116338	MUTUAL APARTMENT PROP L P	1735 MAIN ST	02893	BYPASS	116338	31915658	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
462	116384	MUTUAL APARTMENT PROP L P	1735 MAIN ST	02893	PROJII	1834326378	31915658B	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
463	207180	ECHO FA OWNER LLC	56 MAPLE AVE	02893	BYPASS	1830718806	70297559A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
464	207179	ECHO FA OWNER LLC	56 MAPLE AVE	02893	PROJII	1830581969	70297559	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
465	207205	ORCHARD DEV LLC	69 NORTH PLEASANT ST	02893	BYPASS	1344852946	70332356A	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
466	207204	ORCHARD DEV LLC	69 NORTH PLEASANT ST	02893	PROJII	1544510416	70332356	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
467	115382	CHILD INC	28 PAVAN ST	02893	BYPASS	115382	31942529A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
468	115383	CHILD INC	28 PAVAN ST	02893	PROJII	115383	31942529	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
469	207176	SPRING VILLA	59 PLEASANT ST	02893	BYPASS	1850623562	70283224A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
470	207175	SPRING VILLA	59 PLEASANT ST	02893	PROJII	1850586441	70283224	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
471	206032	W W WASTE WATER TREATMENT FAC	1 PONTIAC AVE	02893	BYPASS	206032	31927321	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
472	206030	W W WASTE WATER TREATMENT FAC	1 PONTIAC AVE	02893	PROJII	1830388525	31927321	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
473	117160	ROY A LA CROIX	17 PROVIDENCE ST	02893	BYPASS	1852032023	70286885A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
474	117159	ROY A LA CROIX	17 PROVIDENCE ST	02893	PROJII	1852081921	70286885	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
475	206982	CROSSROADS RI	54 PROVIDENCE ST	02893	BYPASS	1853020368	70157928A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
476	206981	CROSSROADS RI	54 PROVIDENCE ST	02893	PROJII	1830529447	70157928	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
477	207025	WEST WARWICK SCHOOL, DIPT	124 PROVIDENCE ST	02893	BYPASS	181065946	70170500A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
478	207024	WEST WARWICK SCHOOL, DEPT	124 PROVIDENCE ST	02893	PROJII	1810326244	70170500	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
479	207053	LAKE ISLE CORP LLC	125 PROVIDENCE ST	02893	BYPASS	1461244284	70170621A	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
480	207052	LAKE ISLE CORP LLC	125 PROVIDENCE ST	02893	PROJII	1461387102	70170621	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
481	207016	LAKE ISLE CORP LLC	185 PROVIDENCE ST	02893	BYPASS	1810487194	70163010A	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
482	207015	LAKE ISLE CORP LLC	185 PROVIDENCE ST	02893	PROJII	1810502030	70163014	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
483	207150	THUNDERMIST MEDICAL	186 PROVIDENCE ST	02893	BYPASS	1831686737	70243334A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
484	207149	THUNDERMIST MEDICAL	186 PROVIDENCE ST	02893	PROJII	1820845786	70243334	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
485	207215	ORIGINAL BRADFORD SOAP	200 PROVIDENCE ST	02893	BYPASS	1547960038	70351696A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
486	207214	ORIGINAL BRADFORD SOAP	200 PROVIDENCE ST	02893	PROJII	1547966124	70351696	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
487	206078	HENRY HO	283 PROVIDENCE ST	02893	BYPASS	206078	31941776	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
488	204895	HENRY HO	283 PROVIDENCE ST	02893	PROJII	204895	31941776A	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
489	206844	RIVER BEND CONDO ASSOC	450 PROVIDENCE ST	02893	BYPASS	206844	70115745A	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
490	206843	RIVER BEND CONDO ASSOC	450 PROVIDENCE ST	02893	PROJII	206843	70115745	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
491	206930	OPERATION STAND DOWN	790 PROVIDENCE ST	02893	BYPASS	206930	31960764A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
492	201987	OPERATION STAND DOWN	790 PROVIDENCE ST	02893	PROJII	201987	31960764	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
493	206604	ENGINE INSIGHT SERVICES INC	834 PROVIDENCE ST	02893	BYPASS	1831307567	70264921A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
494	206603	ENGINE INSIGHT SERVICES INC	834 PROVIDENCE ST	02893	PROJII	1831309390	70264921	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
495	207162	ROYAL WOODS CONDO ASSOC	1027 PROVIDENCE ST	02893	BYPASS	1832159676	70251401A	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
496	207161	ROYAL WOODS CONDO ASSOC	1027 PROVIDENCE ST	02893	PROJII	1832160708	70251401	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
497	116811	PEACH BUDY LLC	100 POLASKI ST	02893	BYPASS	1832108107	70163410A	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
498	102782	PEACH BUDY LLC	100 POLASKI ST	02893	PROJII	1832546479	70163410	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
499	117383	KENT COUNTY COMMONS	101 QUAKER LN	02893	BYPASS	1549627282	70359637A	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
500	117382	KENT COUNTY COMMONS	101 QUAKER LN	02893	PROJII	1549644030	70359637	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
501	117276	HARRY LEISER TRUSTE: OF THE	325 QUAKER LN	02893	BYPASS	1543099572	70726231A	1	\$	215.25	\$	1,239.00	\$	185.00	\$	175.00
502	117275	HARRY LEISER TRUSTE: OF THE	325 QUAKER LN	02893	PROJII	1543107800	70726231	4	\$	600.00	\$	1,239.00	\$	600.00	\$	175.00
503	110060	PIP BOYS	375 QUAKER LN	02893	BYPASS	1830911341	701161604	2	\$	446.25	\$	2,289.00	\$	300.00	\$	175.00
504	115457	PIP BOYS	375 QUAKER LN	02893	PROJII	1460829102	701161604A	8	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
505	113806	ROBERT BENEDICTSON	555 QUAKER LN	02893	BYPASS	1820218931	70142457A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
506	113805	ROBERT BENEDICTSON	555 QUAKER LN	02893	PROJII	1820023404	70142457	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
507	117138	BAJISE SUBARU	561 QUAKER LN	02893	BYPASS	1850655624	70284654A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
508	117137	BAJISE SUBARU	561 QUAKER LN	02893	PROJII	1541527008	70284654	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
509	117153	QVM LLC	679 QUAKER LN	02893	BYPASS	1852579940	70293292A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
510	117152	QVM LLC	679 QUAKER LN	02893	PROJII	1852358349	70293292	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
511	116783	SPEEDCRAFT ACURA	883 QUAKER LN	02893	BYPASS	116783	8001692A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
512	116782	SPEEDCRAFT ACURA	883 QUAKER LN	02893	PROJII	116782	8001692	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00
513	113663	SPEEDCRAFT NISSAN	885 QUAKER LN	02893	BYPASS	313663	70135096A	1 1/2	\$	372.00	\$	2,289.00	\$	300.00	\$	175.00
514	113662	SPEEDCRAFT NISSAN	885 QUAKER LN	02893	PROJII	313662	70135096	6	\$	600.00	\$	2,289.00	\$	1,000.00	\$	175.00

LARGE SINGLE REGISTER METERS

ACCT#	CUSTOMER NAME	ST#	STREET	TOWN/CITY	METER TYPE	SERIAL#	METER#	SIZE	TESTING COST	METER COST	REPLACEMENT LABOR	SITE ASSESSMENT	
562	COVENTRY PUBLIC SCHOOLS	95	JOINSON BLVD	02816	TRIDENT		15679103	3	\$ 300.00	\$ 1,803.50	\$ 1,800.00	\$ 175.00	
563	WEST WARWICK SCHOOL DEPARTMENT	1	BROWN ST	02893	TRIDENT		13986740	3	\$ 300.00	\$ 1,803.50	\$ 1,800.00	\$ 175.00	
564	WEST WARWICK CIVIC CENTER	106	HAY ST	02893	TURBINE		1240190	4	\$ 300.00	\$ 2,146.75	\$ 2,200.00	\$ 175.00	
565	LEISURE VILLAGE INC	1620	NOOSENECK HILL RD	02816	TURBINE	Updating to ProIII with Bypass	66348902	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
566	SHERWOOD VALLEY TRAILER PARK	1	SHERWOOD VALLEY LN	02816	ROCKWELL	Updating to ProIII with Bypass	28103149	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
567	PINE GLEN CONDOMINIUM		MIDDLE RD	02818	ROCKWELL		1226593	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
568	DEPT EAST GREENWICH LLC	5600	POST RD	02818	TURBINE		1198545	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
569	446600 AIMCO MIAL STOP #1	1	CEDAR POND DR	02886	TURBINE		1190581	8	\$ 300.00	\$ 10,250.00	\$ 6,000.00	\$ 175.00	
570	WARWICK EXECUTIVE PARK CONDO	250	CENTERVILLE RD	02886	TURBINE		31987933	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
571	PAGHS NEST CONDOMINIUM	650	MAJOR POTTER RD	02893	TURBINE	1541990566	66039474	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
572	GOVERNOR'S HILL CONDO ASSOC		EAST GREENWICH AVE	02893	TURBINE		1183547	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
573	GOVERNOR'S HILL CONDO ASSOC		GOVERNOR'S HILL DR	02893	TURBINE	1850496222	31972544	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
574	COWSETT MEADOWS CONDO ASSOC		KRISTIE CIRCLE	02893	TURBINE		1183725	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
575	JUDITH VALLEY CONDO ASSOC		OLD QUAKER LANE	02893	TURBINE		1226545	6	\$ 300.00	\$ 8,085.00	\$ 4,000.00	\$ 175.00	
576	GENESIS MS #8	10	WOODLAND DR	02816	ROCKWELL		66320232	4	\$ 300.00	\$ 5,460.00	\$ 3,000.00	\$ 175.00	
577	TOWN OF EAST GREENWICH - FIRE		COURTHOUSE LN	02818	TURBINE		70066230	4	\$ 300.00	\$ 5,460.00	\$ 3,000.00	\$ 175.00	
578	FATH BAPTIST CHURCH	765	COMMONWEALTH AVE	02886	TURBINE	1830606255	31943155	4	\$ 300.00	\$ 5,460.00	\$ 3,000.00	\$ 175.00	
579	J ARTHUR TRUDEAU MEM CENTER	250	COMMONWEALTH	02886	TURBINE	1563468020	31925793	4	\$ 300.00	\$ 5,460.00	\$ 3,000.00	\$ 175.00	
580	BRUGGS DRIVE ASSOC LLC	10	BRUGGS DR	02818	ROCKWELL		1997358	10	\$ 300.00	\$ 12,705.00	\$ 8,000.00	\$ 175.00	
581													
582													
TOTALS										\$ 5,700.00	\$ 131,639.55	\$ 71,900.00	\$ 3,325.00
COUNT										19			

PRESENT VALUE OF ALL LARGE METER UME, BYPASS, AND SINGLE REGISTER \$ 732,958.60
 VALUE OF ALL BYPASS METERS NEEDING REPLACEMENT \$ 69,623.81
 VALUE OF ALL LARGE METER UME AND SINGLE REGISTER NEEDING REPLACEMENT \$ 528,550.05
 TOTAL LARGE METER UME AND SINGLE REGISTER REPLACEMENT LABOR \$ 303,610.00
 TOTAL SITE SURVEY COST \$ 51,625.00
 TOTAL METER TESTING COST \$ 172,500.00

**BNY MELLON**

The Bank of New York Mellon Trust Company, N.A.

KENT COUNTY WATER AUTHORITY
ATTN: FINANCE DIRECTOR
1072 MAIN STREET
WEST WARWICK, RI 02893-3724

Account Statement

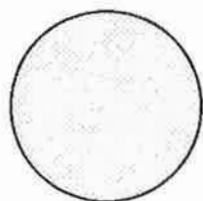
Statement Period 01/01/2020 Through 01/31/2020

Account 667674 Base Currency = USD
 KCWA METER REPLACE D 4611

CLIENT SERVICE MANAGER: MICHAEL JONES
 BNYM CORPORATE TRUST
 500 ROSS STREET
 PITTSBURGH, PA 15262
 412-234-8492
 MICHAEL.JONES1@BNYMELLON.COM

Go Paperless.

Securely access your accounts online to view your statements. Ask your BNY Mellon contact how we can help you access your account balances and activity in real time, receive your reports, enter your own transactions or submit an audit confirmation online. Also be sure to ask how NEXEN(SM) Gateway, our new cloud-based ecosystem, can help you.

Visit us at www.bnymellon.com**Account Overview**

Percent of all Investments	Asset Classification	Market Value
100% ☺	CASH AND SHORT TERM	5,586,049.31
100%	TOTAL OF ALL INVESTMENTS	5,586,049.31

Summary of Assets Held by Asset Classification

Asset Classification	Market Value	Cost	Accrued Income	Estimated Annual Income	Market Yield
CASH AND SHORT TERM	5,586,049.31	5,586,049.31	0.00	82,400.43	1.48 %
ACCOUNT TOTALS	5,586,049.31	5,586,049.31	0.00	82,400.43	1.48 %

Summary of Cash Transactions by Transaction Category

Transaction Category	Current Period			Year-to-Date	
	Income	Principal	Realized Gains/Losses	Income	Principal
OPENING BALANCE	0.00	0.00		0.00	0.00
DIVIDENDS	7,085.67	0.00	0.00	7,085.67	0.00
SALES AND REDEMPTIONS	0.00	262,378.33	0.00	0.00	262,378.33
OTHER CASH ADDITIONS	0.00	198,752.34	0.00	0.00	198,752.34
OTHER CASH DISBURSEMENTS	7,085.67 -	269,464.00 -	0.00	7,085.67 -	269,464.00 -

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

2-2 Reference Mr. Simmons' testimony at page 5, lines 25 and 26. Please explain whether the hiring of additional personnel to meet the project deadline affects the cost of the meter installation. If yes, please explain how the cost of the meter installation program will be impacted, and who absorbs any additional costs or receives any savings.

RESPONSE:

This does not affect the cost of meter installation. A meter installation contractor was awarded the bid to install meters for KCWA based on a publicly advertised request for proposal (RFP) process. They are required to complete the project as proposed in the contract documents. The installation contractor is continually adjusting their staffing needs internally to meet the requirements and deadlines which has no financial implications to KCWA.

Witness responsible: David L. Simmons, P.E.

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-3. Reference Mr. Simmons' testimony at page 8, lines 21 through 31. Please explain what KCWA will do with the old meters that are replaced under the program. Identify any salvage value that could be received and explain how it is reflected in the cost of the program.

RESPONSE:

The large and medium sized meter replacement program being presented entails swapping out only the unitized measuring elements (UME) for 95% of the meters. The UME is a factory certified measurement cassette that can be inserted into an existing meter body. The salvage value of replaced unitized measuring elements would be based on the commodity pricing of uncleaned brass and bronze bodied elements. The lowest conservative pricing on which we based our estimates is \$0.75/lb. The UME is mostly plastic and stainless steel except for the bonnet. All salvaged brass and/or bronze revenue will be reallocated to the restricted meter account in the same way that it is being done under the current program. The large and medium UME estimated salvage value would be approximately \$8,576.00 for 222 UMEs weighing an approximate total of 11,435 lbs.

The bypass meters that are replaced would be treated the same way as under the current program for salvage. The estimated salvage value of the proposed 212 bypass meter being replaced is \$ 4,090.00. The estimated salvage value of 17 single register meters is \$2,232.00

The total estimated salvage value for all three components is \$14,898.00. All salvaged brass and/or bronze revenue will be reallocated to the restricted meter account in the same way that it is being done under the current program.

Witness responsible: David L. Simmons, P.E.

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

2-4. Reference Mr. Simmons' testimony at page 14.

- a. Please explain whether the present value of the meters of \$5,185,164 is the value of the meters only or whether it includes installation costs.

RESPONSE:

It does not include installation costs. It is the present value of all small meters sized 2-inches and less based on the bid pricing, the current cost of unitized measuring elements and bypass meters for all large and medium compound meters, and direct equivalent replacement cost using Neptune TruFlo compound meters to replace single register meters.

- b. If a restricted meter account is authorized and funded, will that account earn interest? If yes, what is the estimated interest rate. If no, why would the account not earn interest?

RESPONSE:

If an ongoing restricted meter AMR account is authorized it would earn interest to the same level that the current restricted account that was set up for the present meter change out program. We would keep that account open with our trustee, BNY Mellon, rename it, and fund it at the lowered level. The current market yield for that account is 1.48% (See attached BNY account statement for the KCWA Meter Replacement D 4611). Factoring in an annual interest yield of 1.48% compounding monthly at 0.123% would reduce to annual allocation from \$390,538 to \$378,540 (See attached Future Meter Change Out Scheduling with Utilization Rate and Interest Earnings).

Witness responsible: David L. Simmons, P.E.

**BNY MELLON**

The Bank of New York Mellon Trust Company, N.A.

KENT COUNTY WATER AUTHORITY
ATTN: FINANCE DIRECTOR
1072 MAIN STREET
WEST WARWICK, RI 02893-3724

Account Statement

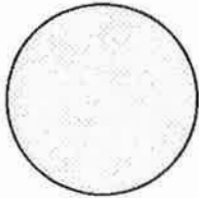
Statement Period 01/01/2020 Through 01/31/2020

Account 667674 Base Currency = USD
 KCWA METER REPLACE D 4611

CLIENT SERVICE MANAGER: MICHAEL JONES
 BNYM CORPORATE TRUST
 500 ROSS STREET
 PITTSBURGH, PA 15262
 412-234-8492
 MICHAEL.JONES1@BNYMELLON.COM

Go Paperless.

Securely access your accounts online to view your statements. Ask your BNY Mellon contact how we can help you access your account balances and activity in real time, receive your reports, enter your own transactions or submit an audit confirmation online. Also be sure to ask how NEXEN(SM) Gateway, our new cloud-based ecosystem, can help you.

Visit us at www.bnymellon.com**Account Overview**

Percent of all Investments	Asset Classification	Market Value
100% ☺	CASH AND SHORT TERM	5,586,049.31
100%	TOTAL OF ALL INVESTMENTS	5,586,049.31

Summary of Assets Held by Asset Classification

Asset Classification	Market Value	Cost	Accrued Income	Estimated Annual Income	Market Yield
CASH AND SHORT TERM	5,586,049.31	5,586,049.31	0.00	82,400.43	1.48 %
ACCOUNT TOTALS	5,586,049.31	5,586,049.31	0.00	82,400.43	1.48 %

Summary of Cash Transactions by Transaction Category

Transaction Category	Current Period			Year-to-Date	
	Income	Principal	Realized Gains/Losses	Income	Principal
OPENING BALANCE	0.00	0.00		0.00	0.00
DIVIDENDS	7,085.67	0.00	0.00	7,085.67	0.00
SALES AND REDEMPTIONS	0.00	262,378.33	0.00	0.00	262,378.33
OTHER CASH ADDITIONS	0.00	198,752.34	0.00	0.00	198,752.34
OTHER CASH DISBURSEMENTS	7,085.67 -	269,464.00 -	0.00	7,085.67 -	269,464.00 -

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Jan		\$ 221,907.05	\$ 606,802.03	\$ 997,432.27	\$ 1,393,883.21	\$ 1,796,241.59	\$ 2,105,289.06	\$ 2,248,537.59	\$ 2,444,869.14	\$ 2,559,787.73	\$ 2,083,171.03	\$ 1,876,934.53	\$ 1,667,624.93	\$ 1,455,196.46	\$ 1,239,602.63	\$ 1,020,796.27	\$ 798,729.53	\$ 573,353.81	\$ 344,619.81	\$ 112,477.49
Feb		\$ 253,764.64	\$ 639,134.33	\$ 1,030,246.34	\$ 1,427,186.24	\$ 1,830,040.86	\$ 2,139,469.49	\$ 2,282,894.70	\$ 2,479,468.38	\$ 2,594,528.70	\$ 2,117,324.18	\$ 1,910,833.32	\$ 1,701,265.58	\$ 1,488,575.11	\$ 1,272,715.38	\$ 1,053,639.16	\$ 831,298.53	\$ 605,644.85	\$ 376,628.75	\$ 144,200.12
Mar		\$ 285,661.52	\$ 671,506.50	\$ 1,063,100.88	\$ 1,460,530.34	\$ 1,863,881.82	\$ 2,173,692.07	\$ 2,317,294.17	\$ 2,514,110.30	\$ 2,629,312.53	\$ 2,151,519.45	\$ 1,944,773.92	\$ 1,734,947.71	\$ 1,521,994.92	\$ 1,305,868.96	\$ 1,086,522.55	\$ 863,907.71	\$ 637,975.72	\$ 408,677.16	\$ 175,961.87
Apr		\$ 317,597.74	\$ 703,918.60	\$ 1,095,995.95	\$ 1,493,915.57	\$ 1,897,764.51	\$ 2,207,956.86	\$ 2,351,736.07	\$ 2,548,794.94	\$ 2,664,139.25	\$ 2,185,756.90	\$ 1,978,756.38	\$ 1,768,671.38	\$ 1,555,455.95	\$ 1,339,063.44	\$ 1,119,446.50	\$ 896,557.10	\$ 670,346.46	\$ 440,765.10	\$ 207,762.80
May		\$ 349,573.35	\$ 736,370.67	\$ 1,128,931.58	\$ 1,527,341.97	\$ 1,931,688.99	\$ 2,242,263.91	\$ 2,386,220.45	\$ 2,583,522.36	\$ 2,699,008.93	\$ 2,220,036.57	\$ 2,012,780.75	\$ 1,802,436.65	\$ 1,588,958.25	\$ 1,372,298.86	\$ 1,152,411.06	\$ 929,246.76	\$ 702,757.13	\$ 472,892.62	\$ 239,602.94
Jun	\$ -	\$ 381,588.39	\$ 768,862.76	\$ 1,161,907.83	\$ 1,560,809.59	\$ 1,965,655.31	\$ 2,276,613.28	\$ 2,420,747.36	\$ 2,618,292.61	\$ 2,733,921.61	\$ 2,254,358.52	\$ 2,046,847.08	\$ 1,836,243.56	\$ 1,622,501.87	\$ 1,405,575.26	\$ 1,185,416.27	\$ 961,976.73	\$ 735,207.77	\$ 505,059.76	\$ 271,482.36
Jul	\$ 31,583.91	\$ 413,642.93	\$ 801,394.93	\$ 1,194,924.76	\$ 1,594,318.50	\$ 1,999,663.53	\$ 2,311,005.01	\$ 2,455,316.86	\$ 2,653,105.74	\$ 2,768,877.35	\$ 2,288,722.80	\$ 2,080,955.43	\$ 1,870,092.17	\$ 1,656,086.87	\$ 1,438,892.71	\$ 1,218,462.19	\$ 994,747.08	\$ 767,698.43	\$ 537,266.57	\$ 303,401.09
Aug	\$ 63,206.76	\$ 445,736.99	\$ 833,967.23	\$ 1,227,982.41	\$ 1,627,868.73	\$ 2,033,713.68	\$ 2,345,439.15	\$ 2,489,928.99	\$ 2,687,961.81	\$ 2,803,876.21	\$ 2,323,129.46	\$ 2,115,105.85	\$ 1,903,982.52	\$ 1,689,713.28	\$ 1,472,251.25	\$ 1,251,548.87	\$ 1,027,557.84	\$ 800,229.16	\$ 569,513.11	\$ 335,359.19
Sep	\$ 94,868.62	\$ 477,870.64	\$ 866,579.69	\$ 1,261,080.82	\$ 1,661,460.34	\$ 2,067,805.84	\$ 2,379,915.77	\$ 2,524,583.81	\$ 2,722,860.87	\$ 2,838,918.23	\$ 2,357,578.56	\$ 2,149,298.39	\$ 1,937,914.67	\$ 1,723,381.16	\$ 1,505,650.93	\$ 1,284,676.35	\$ 1,060,409.07	\$ 832,800.02	\$ 601,799.41	\$ 367,356.71
Oct	\$ 126,569.54	\$ 510,043.92	\$ 899,232.38	\$ 1,294,220.06	\$ 1,695,093.38	\$ 2,101,940.03	\$ 2,414,434.90	\$ 2,559,281.36	\$ 2,757,802.97	\$ 2,874,003.47	\$ 2,392,070.15	\$ 2,183,533.09	\$ 1,971,888.67	\$ 1,757,090.57	\$ 1,539,091.81	\$ 1,317,844.69	\$ 1,093,300.81	\$ 865,411.04	\$ 634,125.54	\$ 399,393.69
Nov	\$ 158,309.54	\$ 542,256.88	\$ 931,925.34	\$ 1,327,400.17	\$ 1,728,767.90	\$ 2,136,116.33	\$ 2,448,996.61	\$ 2,594,021.72	\$ 2,792,788.17	\$ 2,909,131.97	\$ 2,426,604.27	\$ 2,217,810.02	\$ 2,005,904.57	\$ 1,790,841.56	\$ 1,572,573.93	\$ 1,351,053.94	\$ 1,126,233.12	\$ 898,062.29	\$ 666,491.53	\$ 431,470.18
Dec	\$ 190,088.70	\$ 574,509.57	\$ 964,658.62	\$ 1,360,621.20	\$ 1,762,483.95	\$ 2,170,334.78	\$ 2,483,600.94	\$ 2,628,804.92	\$ 2,827,816.51	\$ 2,944,303.81	\$ 2,461,180.99	\$ 2,252,129.23	\$ 2,039,962.43	\$ 1,824,634.17	\$ 1,606,097.34	\$ 1,384,304.14	\$ 1,159,206.05	\$ 930,753.80	\$ 698,897.44	\$ 463,586.23
Collections	\$ 190,088.70	\$ 574,509.57	\$ 964,658.62	\$ 1,360,621.20	\$ 1,762,483.95	\$ 2,170,334.78	\$ 2,483,600.94	\$ 2,628,804.92	\$ 2,827,816.51	\$ 2,944,303.81	\$ 2,461,180.99	\$ 2,252,129.23	\$ 2,039,962.43	\$ 1,824,634.17	\$ 1,606,097.34	\$ 1,384,304.14	\$ 1,159,206.05	\$ 930,753.80	\$ 698,897.44	\$ 463,586.23
Utilization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,184.05	\$ 269,378.13	\$ 218,492.40	\$ 302,726.97	\$ 895,243.86	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 618,103.50	\$ 462,858.90
Balance	\$ 190,088.70	\$ 574,509.57	\$ 964,658.62	\$ 1,360,621.20	\$ 1,762,483.95	\$ 2,071,150.73	\$ 2,214,222.81	\$ 2,410,312.52	\$ 2,525,089.54	\$ 2,049,059.95	\$ 1,843,077.49	\$ 1,634,025.73	\$ 1,421,858.93	\$ 1,206,530.67	\$ 987,993.84	\$ 766,200.64	\$ 541,102.55	\$ 312,650.30	\$ 80,793.94	\$ 727.33

15 Series Meter Install Year (meters
left in system during first round of
installations)

Monthly Allocation	Market Yield	Market Yield (monthly)
\$ 31,545.00	1.48%	0.1233%

Install Year	No. of installs						
2015	345						
2016	937						
2017	760						
2018	1053						
2019	3114						
2020 Projected	15435						
6/30/2021	5525						
Total	27169						
Install Year Next							
Generation	No of installs	Install Year	Age	Installs per wk	Annual funding needs	Restricted Collection	Cumulative
2025	345	2015	10	7	\$ 99,184.05	\$ 378,540.00	\$ 2,081,970.00
2026	937	2016	10	18	\$ 269,378.13	\$ 378,540.00	\$ 2,460,510.00
2027	760	2017	10	15	\$ 218,492.40	\$ 378,540.00	\$ 2,839,050.00
2028	1053	2018	10	20	\$ 302,726.97	\$ 378,540.00	\$ 3,217,590.00
2029	3114	2019	10	60	\$ 895,243.86	\$ 378,540.00	\$ 3,596,130.00
2030	2150	2020	10	41	\$ 618,103.50	\$ 378,540.00	\$ 3,974,670.00
2031	2150	2020	11	41	\$ 618,103.50	\$ 378,540.00	\$ 4,353,210.00
2032	2150	2020	12	41	\$ 618,103.50	\$ 378,540.00	\$ 4,731,750.00
2033	2150	2020	13	41	\$ 618,103.50	\$ 378,540.00	\$ 5,110,290.00
2034	2150	2020	14	41	\$ 618,103.50	\$ 378,540.00	\$ 5,488,830.00
2035	2150	2020	15	41	\$ 618,103.50	\$ 378,540.00	\$ 5,867,370.00
2036	2150	2020	16	41	\$ 618,103.50	\$ 378,540.00	\$ 6,245,910.00
2037	2150	2021	16	41	\$ 618,103.50	\$ 378,540.00	\$ 6,624,450.00
2038	2150	2021	17	41	\$ 618,103.50	\$ 378,540.00	\$ 7,002,990.00
2039	1610	2021	18	31	\$ 462,858.90	\$ 378,540.00	\$ 7,381,530.00
TOTALS	27169				\$ 7,810,815.81	\$ 7,381,530.00	

Shortfall if account
earns no interest

\$ (429,285.81)

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

2-5. Please explain how KCWA plans to replace meters beginning in 2025.

- a. Will the replacement of meters be done based upon failure of meters or other performance problems?

RESPONSE:

Both. The positive displacement nutating disk meters are accurate and reliable metrology that meets and exceeds all AWWA testing standards for accuracy and performance. However, ultrasonic meters are showing better performance for the full range of flow across all size classes. Future price reductions in ultrasonic metering technology will most likely justify early replacement of the meter size classes of 1.5-inch and 2-inch meters because of the low flow accuracy of an ultrasonic meter compared to its positive displacement counterparts in this size class. The smaller meters, 1-inches and less, the expense does not outweigh the performance gains at the current time. As the technology advances and the costs come down within these size classes, we would expect parity in the cost benefit in these meters in the very near future.

- b. Will replacement of meters begin regardless of failure or performance problems? In other words, will meters be replaced based on age in addition to any problem meters?

RESPONSE:

The primary drivers for replacement will be age and/or use. The manufacturer recommends replacement after 180,000 cubic feet (CF) of water has passed through 5/8" x 3/4" and 5/8" straight meters. KCWA currently has 22,442 of these meters installed the system.

- c. For meters that have not failed or developed problems, will KCWA begin replacing them? What criteria will be used to select meters for replacements?

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

RESPONSE:

Yes. KCWA is primarily going to be replacing the meters based on age and use. However, if it is found that ultrasonic meters can optimize performance, and the cost benefit analysis of using that technology across all size classes makes sense, then KCWA would employ that metric in determining replacements.

- d. Please provide the total expected number of meters to be replaced as of 2025.

RESPONSE:

There were 345 meters installed in 2015 and we would replace those meters in 2025.

- e. Please provide the total expected number of meters to be replaced, by year, beginning in 2025, and the expected annual cost of replacement.

RESPONSE:

Please see anticipated schedule of installs and the anticipated cost presented in the Future Meter Change Out Programming Worksheet attached Div 2-1.

Witness responsible: David L. Simmons, P.E.

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

2-6 Reference Mr. Simmons' testimony at page 15, lines 8 through 11.

- a. What percentage of meters fail or need replacement within the 5-year period mentioned on line 9?
- b. What percentage of meters fail or need replacement within the next 5 to 10 years?

RESPONSE:

- a. & b. The failure rate is provided below.

Year	Estimated Failure Rate Electronics (% of units shipped) ^{1,2}	Estimated Failure Rate Meters (% of units shipped) ^{1,2}	Number of Meters
1	0.30%	0.10%	98
2	0.30%	0.10%	98
3	0.30%	0.10%	98
4	0.40%	0.20%	147
5	0.40%	0.20%	147
6	0.40%	0.20%	147
7	0.50%	0.20%	172
8	0.50%	0.20%	172
9	0.60%	0.20%	197
10	0.60%	0.30%	221

¹Manufacture supplied failure rate schedule.

²Based on 24,582 meters sized 5/8" -2" installed in the system

Witness responsible: David L. Simmons, P.E.

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-7. Based upon the discussion on page 16, lines 1 through 23 of Mr. Simmons' testimony, it appears that the meter replacement program will have the added benefit of a reduction in prolonged water leaks. Please confirm. Also, please provide:

RESPONSE:

A benefit of a smart meter is the ability to detect and flag continuous prolonged water leaks that are occurring after the meter. The meters can store/log up to 90 days of usage data that can be acquired via software on a laptop, tablet, or smartphone via remote communication. The most common leak occurrence in homes and businesses are toilet leaks which can easily go unnoticed because it is leaking into the toilet bowl. KCWA will be shifting to a drive-by AMR system which will allow for the system to be read in a couple of days for all customers. Today, there are 90 or more days where a leak can present itself without the customer or KCWA knowing. KCWA will be continuing to bill quarterly until all AMR metering systems are in place and the rates are adjusted in a future filing with the PUC to account for the additional cost of monthly billing. However, KCWA will be surveilling the metering system more frequently to try and proactively detect problems within the quarter. The new AMR meter technology allows our meter staff to perform temporal consumptive use analysis, meaning we can perform a monthly mock reading to check the system for problems and not use it for billing. This will allow our staff to quickly analyze flagged accounts generated by the meter reading software on a map displaying various outliers such as high or zero consumption amounts, tamper, or misreads to determine outliers via flags presented by the meter reading software. These data can be presented to the customer in person, emailed, or presented via a customer portal. This will help proactively identify water leakage after the meter. We will be able to leverage the full power of the systems once we can go onto monthly billing because we will also have the customers armed with more information and comparative data to help determine where there may be problems.

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

-
- a. KCWA's annual system lost and unaccounted for water percentage for the calendar year 2016 through 2019.

RESPONSE:

Below are the annual system losses and unaccounted for water percentage for the last four fiscal years which encompasses calendar years 2016, 2017, 2018, and half of 2019.

	FY 2016 (Gallons)	FY 2017 (Gallons)	FY 2018 (Gallons)	FY 2019 (Gallons)
Total Water Produced/Purchased	3,016,312,444	2,821,070,918	2,785,166,000	2,799,462,467
Less Total Metered (Sold/Billed) Water	2,671,261,000	2,490,073,000	2,389,877,000	2,467,363,520
Less Non-Billed Water Use	63,115,882	183,676,313	107,340,899	62,149,974
Total Non-Metered (Not Sold) Water Use	281,935,562	147,321,605	287,948,101	269,948,973
% Non-Metered Water (Total Non-Metered/Total Water)	9%	5%	10%	10%

- b. Please indicate what the expected lost and unaccounted for water percentage will be upon completion of the current meter replacement program that is expected to end in 2021.

RESPONSE:

Based on an average meter slippage percentage of 2% across all meter sizes it was approximated that the volume of water registered will increase by 200,371,490 gallons. This amount would decrease the average percentage of unaccounted for water from 9% to

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

7%. We offer the following table that displays water produced/purchased vs water sold over the last four fiscal years.

FISCAL YEARS 2016-2019	TOTAL	
Total Water Produced/Purchased	11,422,011,829	Gallons
Total Metered (Sold/Billed) Water	10,018,574,520	Gallons
Total Non-Metered Water Use (Not Sold)	416,283,068	Gallons
Total Non-Billed Water	987,154,241	Gallons
Percentage Non-Metered Water (Total Non-Metered/Total Water)	9%	
Estimated Meter Slippage Percentage	2%	
Estimated Meter Slippage Recovery New Meters	200,371,490	Gallons
Percentage Non-Metered Water Adjusted After New Meters	7%	

Witness responsible: David L. Simmons, P.E.

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-8. Reference Mr. Bebyn's testimony at page 8, line 17, please provide the basis of the wholesale rate of \$3.86 per HCF.

RESPONSE:

The wholesale rate has been calculated using the cost of service model from Docket 4611 with the modification for including the projected wholesale sales consumption. This calculation is presented on Schedule DGB-RY-COS-3. That schedule first determines how much Base/Max Day/Max Hour costs are allocated between wholesale and the individual retail classes based upon their usage and demand factors. Those factors are applied to the rate year revenue requirement that have allocated Base/Max Day/Max Hour using the cost of service model. When calculating the rate, no allocation for the meter replacement program was included since this only impacts retail customers.

Witness responsible: David G. Bebyn, CPA

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-9. Reference Schedule DGB-TY-1, page 1. Please explain the nature of the “6.9% of Water Prot Fee”. Who pays this fee and why?

RESPONSE:

This revenue account is related to the Water Quality Protection Fund Surcharge and State Surcharge that water suppliers are required by state law to charge on their water sales. The Water Quality Protection Fund Surcharge (.01054 per hundred gallons) is used by State to provide additional grants to water utilities to protect raw water sources. In addition to the Water Quality Protection Fund Surcharge, the State requires a surcharge of “1.664 money” (\$0.01664 per hundred gallons). The State uses this money to fund its water activities (administration, regulation, advisory). To cover the administrative cost of collecting and remitting the water quality protection charge (WQPC) the State provided a fee of \$0.00202 per hundred gallons to the water utilities that billed and collected the surcharges. When added to the other surcharges this fee of \$0.00202 per hundred gallons is that 6.9% of the total surcharges Kent allowed to retain. The surcharges are charged on all retail water sales except elderly owned households that have registered for the exemption per the law governing the Water Quality Protection Fund Surcharge.

Witness responsible: David G. Bebyn, CPA

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-10. Please provide Schedule DGB-TY-3a on a calendar year basis in Excel Format with the formulae intact.

RESPONSE:

The Excel Format of Schedule DGB-TY-3a on a calendar year basis has already been provided for in the response to Division 1-1. The adjustments on Schedule -TY-3a were not only adjustments to add one year of adjustments but eighteen months of adjustments to provide the calendar year 2018. As I mentioned in my testimony, I utilized the Rate Year from Docket 4611. That Rate Year is calendar year 2018 as presented in Mr. Woodcock's testimony from the Docket 4611-Step Rate Filing (filed 10-27-17) on Schedule "CW Step 1 Increase". The beginning revenue requirement on that schedule was FY 2017 and the Rate Year for that schedule is CY 2018. As a result, that schedule calculates that 18-month adjustment. Unfortunately, that schedule only showed the total revenue requirement for the FY 2017 Rate Year from the first part of Docket 4611 adjusted with the Step 1 increase adjustments without the detailed line items. This was done since the increase would only be an across the board increase.

This current filing had a requirement to utilize the costs of service model. Since the cost of service model requires the detail line items, there was a need to breakdown the adjustments from the Step 1 increase. Schedule DGB-TY-3a was necessary to provide the reviewer to see the detailed line item adjustments from the Docket 4611-Step Rate Filing. That schedule also includes the adjustment from the Docket 4641 pass-through expenses.

Witness responsible: David G. Bebyn, CPA

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-11. Please confirm that the reference to the “Step 2” increase on Schedules DGB-TY-3a and 3b are in error.

RESPONSE:

The term Step 2 could be seen as an error given that the Docket 4611 step increase has been referred to as the step 1 increase like referenced to Mr. Woodcock’s schedules from that filing. I was in my footnotes attempting to refer to the second increase from Docket 4611. The first being the base part of the filing and the second being the Step Increase. To clarify this issue, I agree to refer to the step increase as the “Step 1” increase and this is the only step increase in that docket after the base part of the filing.

Witness responsible: David G. Bebyn, CPA

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-12. Reference Schedule DGB-RY-2, please explain why no adjustment was proposed in deriving the billing elements for the Rate Year.

RESPONSE:

The billing elements for the Rate Year utilized no adjustments for the Test Year numbers since those were already established using normalized elements from the Docket 4611 filing. Docket 4611 use a four-year average of the prior 4 years to Docket 4611. I did in preparation of this filing review the four-year average of FY 2016 through FY 2019 elements and found them fairly consistent with the figures from the previous filing. For example, the total water sales consumption for the four-year average ending FY 2019 was 3,191,267 which is within 1.3% of the Rate Year consumption in Docket 4611 of 3,151,618.

Witness responsible: David G. Bebyn, CPA

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-13. Please provide the billing elements for calendar year 2015, 2016 and 2017 in the format presented on Schedule DGB-RY-2.

RESPONSE:

See attached. Please note elements were only available for Customer and Consumption charges for those years. Fire protection values were only available in revenue numbers for those years. I did however include the fire protection billing elements for FY 2019 which were readily available.

Witness responsible: David G. Bebyn, CPA

Service Charge:	CY 2015	CY 2016	CY 2017	FY 2019
<u>Quarterly</u>	<u>Number</u>	<u>Number</u>	<u>Number</u>	
5/8 & 3/4	88,430	88,614	88,951	
1	14,546	14,609	14,651	
1 1/2	1,284	1,311	1,315	
2	2,011	1,989	2,008	
3	60	47	48	
4	345	352	349	
6	341	359	257	
8 & up	255	267	284	
<u>Monthly</u>				
5/8 & 3/4	60	60	60	
1	12	12	12	
1 1/2	108	108	108	
2	96	96	96	
3	12	12	12	
4	36	36	36	
6	84	84	84	
8 & up	60	60	60	
	<u>Number</u>	<u>Number</u>	<u>Number</u>	
Consumption Charge:	100/cu.ft.	100/cu.ft.	100/cu.ft.	
Proposed				
Small (5/8-2" meters)	3,072,683	2,905,286	2,790,424	
Medium (3&4" meters)	64,675	54,859	47,419	
Large (6" & up meters)	260,099	256,758	249,469	
Fire Protection:				<u>Number</u>
Public Hydrants				2,378.00
# bills				40.00
Private Fire Protection				
4 in				11.00
6 in				90.00
8 in				19.00
10 in				-
12 in				4.00
hydrant				113.00
Total				

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-14. Please provide a breakdown of rate case expenses for this proceeding and show where those expenses are reflected in the cost of service.

RESPONSE:

KCWA was granted rate case expense which totaled \$152,698 in Docket 4611. The step 1 increase added an additional \$5,182 for inflation. The total of these two factors equals the \$157,881 Test Year amount which was unadjusted for the Rate Year in this filing. The original granted expense of \$152,698 was comprised of \$130,000 for its legal fees, consultants, and DPUC fees for Docket 4611 rate case, as well as \$50,000 for additional regulatory costs associated with a Providence Water rate case and a wholesale pass-through proceeding in Docket 4641. KCWA is amortized these costs over a three-year period. These were added to the DPUC assessment of \$92,698. The step 1 increase for additional \$5,182 inflation was meant to be applied to the DPUC Assessment for a total of \$97,880.

As previously mentioned, no changes were made for this filing as this filing used the prior filing's Rate Year as this filing Test Year. The DPUC Assessments portion will still be needed for this filing as well as the portion related for Providence filing since Providence has just filed within the past few months. The \$130,000 (\$43,333 amortized per year) for Docket however would be overstated for this filing. KCWA estimated that only half of the \$130,000 would be need for legal fees, consultants, and DPUC fees for this Docket rate case. Thus, the Rate Year could have been adjusted to \$136,215.

Witness responsible: David G. Bebyn, CPA

KENT COUNTY WATER AUTHORITY

Docket No. 5012

Second Set of Data Requests

Division of Public Utilities and Carriers

February 18, 2020

- 2-15. Please indicate whether KCWA plans to issue new bonds or refinance existing bonds during the current fiscal year or within the rate year and explain whether the new bond issue has been reflected in the cost of service.

RESPONSE:

KCWA does not plan to issue new bonds or refinance existing bonds during the current fiscal year or within the rate year.

Witness responsible: David L. Simmons, P.E.