



January 11, 2017

**The Hon. Jorge O. Elorza**  
Mayor

**Ricky Caruolo**  
General Manager

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

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RE: Dk 4618: Kent County, Set 3

Dear Mrs. Massaro:

Enclosed please find an original and nine copies of Providence Water's responses to the third set of data requests from Kent County Water Authority.

If you have any questions I can be reached extension 7217.

Sincerely,

Mary L. Deignan-White  
Senior Manager of Regulatory

cc: service list(via email)

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## Providence Water Docket 4618

### Data Requests of the Kent County Water Authority Set 3

KCWA 3-1: Regarding Mr. Giasson's rebuttal testimony, page 4, please provide the testing schedule for each size retail meter and for the wholesale meters. Please provide a summary of the meter testing results over the past four years for each size retail meter and for the wholesale meters.

Response: Providence Water makes every effort to have all large meters (3" above) tested within a two year period and every effort to have the wholesale meters tested yearly. Retail meters are replaced on at least an every 20 year cycle. This schedule of testing/replacement complies with the Periodic Meter Testing schedule set forth in the Division of Public Utilities and Carriers Rules and Regulations Prescribing Standards for Water Utilities. In addition, each wholesale meter as well as our large retail meters are monitored each month for consumption patterns.

If the meter does not meet AWWA standards (98.5%-101.5%) we will replace the meter or change out the (UME) Unitized measuring element. See attached for meter testing results.

<b>WHOLESALE METERS</b>	<b>METER SIZE</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
KENT COUNTY WATER	8"	99.00%	98.80%	98.70%	98.50%
ESWD-DEAN AVE	8"		98.60%	98.70%	98.70%
ESWD-WATERMAN AVE	8"		98.70%	98.80%	98.60%
ESWD-RIDEGE ROAD	10"		96.20%	98.70%	CHANGED UME
JOHNSTON- (EVERBLOOM)	6"	98.80%	98.90%		CHANGED UME
JOHNSTON-(TAYLOR)	6"	98.70%	98.60%		98.60%
JOHNSTON-(CAPITAL)	6"	99.20%	99.00%	REPLACED REGISTER HEADS	98.90%
JOHNSTON-(SIMMONSVILE)	6"	99.10%	99.00%		98.90%
JOHNSTON-(NARDOLILLO)	6"	99.30%	98.80%	REPLACED REGISTER HEADS	CHANGED UME
JOHNSTON-GREENHILL		NEW MAG METER			
Bristol Water (Columbia Park)	20" x 10.15"	100.00%	100.00%	99.91%	99.91%
Kent County Water (Clinton Ave)	magmeter	100.00%	100.00%	100.00%	100.00%
Smithfield Water (Longview)	12" x 5.675"	100.00%	100.00%	99.71%	99.71%
East Providence (Budlong Rd.)	42" x 14.923"	100.00%	100.00%	100.00%	100.00%
Lincoln Water	16.04" x 9.8"	100.00%	100.00%	100.00%	99.91%
Warwick Water (Natick)	37.64" x 19.11	100.00%	100.00%	100.00%	99.80%
Warwick Water (Pettaconsett)	24.064" x 13"	100.00%	100.00%	100.00%	100.00%
Greenville Water	12" x 6.4"	100.00%	100.00%	100.00%	100.00%
<b>CITY OF PROVIDENCE</b>	<b>METER SIZE</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
MONTGOMERY PARK AVE	6"		99.30%		98.40%
BABCOCK STREET	6"		98.70%		98.60%
ELMWOOD AVE	6"	98.90%	98.50%	98.50%	98.50%
ELMWOOD AVE	6"		99.30%		CHANGED UME
DEPEW AVE	6"		100.00%	REPLACED REGISTER HEADS	
672 PRAIRIE AVE	3"		98.90%		98.60%
752 BRANCH AVE	6"			98.70%	98.60%
55 KENNEDY PLAZA	3"		VACANT	99.80%	CHANGED UME
TELL STREET	3"	98.60%		98.50%	98.50%
524 CRANSTON ST.	3"		99.20%		99.20%
24 RICHMOND ST.	4"	98.90%		98.80%	
114r ALLENS AVE	6"	NEW METER		99.90%	99.10%
242 ALLENS AVE	4"	98.80%		98.60%	NEW UME
252 ALLENS AVE	4"	99.90%		99.40%	99.60%
70 BORDEN AVE	8"	98.70%			98.70%
30 SOUTH MAIN ST.	3"	99.40%		99.60%	99.10%
O BLACKSTONE BLVD.	4"	98.10%	CHANGED UME	99.20%	99.30%

10 CHARLES ST.	3"			98.70%	CHANGED UME
1 ACCESS ROAD	6"	99.10%	100%		REPLACED METER
83 DOYLE AVE	6"		CHANGED UME	98.90%	99.00%
PLENTY ST.	4"	98.80%		98.70%	98.80%
58 WEYBOSSETT AVE	3"			98.70%	98.50%
170WESTMINSTER ST	3"	98.80%		98.80%	98.70%
51 UNION ST.	3"	98.50%		98.70%	98.50%
40 FOUNTAIN ST.	3"				CHANGED UME
612 ACADEMY AVE	3"			98.70%	98.70%
950 MANTON AVE	6"	98.90%	98.80%	98.80%	98.90%
20 PARK ROW WEST	3"			99.50%	99.30%
1 ORMS STREET	3"			CHANGED UME	
21 ATWELLS AVE	3"	99.10%			98.80%
500 ALLENS AVE	8"	98.50%		CHANGED UME	REPLACED METER
1 WEST EXCHANGE ST.(816627)	4"			99.70%	98.90%
1 WEST EXCHANGE ST.)701897)	3"			99.30%	99.30%
355 BLACKSTONE BLVD,	4"			CHANGED UME	
333 WEST RIVER ST.	4"			98.90%	CHANGED UME
361 RESERVOIR AVE	3"	NEW ERTS		99.00%	98.90%
PROMENADE	6"			99.10%	
166 VALLEY ST.	6"			99.40%	99.20%
1 WAYLAND AVE	3"	99.00%		98.50%	98.70%
10 MEMORIAL BLVD.	4"		98.50%		98.50%
164 SUMMIT ST.	4"		CHANGED UME		NEW ERTS
5TH AVENUE OF THE ARTS	3"			99.20%	
100 EXCHANGE ST.	4"	99.80%		98.80%	98.50%
705 ELMWOOD AVE	3"			98.90%	98.90%
257 THAYER ST.	3"		NEW METER		99.80%
SERVICE ROAD	10"	NEW METER		99.00%	99.20%
17 WASHINGTON ST	3"		CHANGED UME		
17 WASHINGTON ST	3"		CHANGED UME		
222 RICHMOND ST.	3"				99.40%
345 BLACKSTONE BLVD.	8"	98.80%	98.70%		98.60%
1150 NARRAGANSETT BLVD.	3"		98.70%		CHANGED UME
101 PINE ST.	3"		CHANGED UME		98.50%
265 HARBORSIDE BLVD.	4"		CHANGED UME		100%
60 HARBORSIDE BLVD.	3"			99.20%	98.70%
75 CHESTNUT ST.	3"			NEW METER	
250 LLOYD AVE	3"		CHANGED UME	98.60%	98.70%

2 ERNEST ST.	8"		98.60%	98.50%	98.60%
263 CHAD BROWN	3"	99.40%	99.30%	99.00%	98.80%
25 SALMON ST.	6"	98.80%	98.50%		98.80%
282 HARTFORD AVE	8"	99.20%	98.80%	98.80%	99.00%
0 FLOWER STREET	8"	99.70%	99.30%		CHANGED UME
26 BODELL ST.	8"	99.90%	99.60%	99.30%	98.70%
227 HARTFORD AVE	8"	100%	99.60%	98.60%	99%
462 MANTON AVE	6"	99.10%	98.90%	98.70%	98.60%
25 TOBEY ST.	3"	99.00%	99.80%	98.70%	98.50%
233 SMITH ST.	3"	98.50%	98.70%	98.60%	98.70%
0 WARDLAW AVE	8"	NEW METER	99.60%	99.40%	99.00%
ANNIE @ SANDRINGHAM	4"	99.00%	98.90%	98.90%	98.90%
165 EATON ST.	3"	99.50%	99.00%		99.20%
642 ALLENS AVE	4"			98.80%	98.70%
TERMINAL ST.	6"			99.80%	99.40%
320 HOPE ST.	3"				NEW METER
1355 EDDY ST.	3"	98.90%			99.00%
434 Mt. PLEASANT AVE	3"				NEW METER
RIALTO ST.	3"	99.50%			98.90%
41 FICKER ST.	3"		CHANGED UME		
99 SABIN ST.	6"		CHANGED UME		
OAKTON ST.	6"	98.50%	98.60%	REPLACED LOWSIDE METER	99.10%
600 MT PLEASANT AVE	8"	98.60%	98.60%		98.80%
593 EDDY ST. (502157)	8"	98.50%			98.60%
593 EDDY ST. (601002)	6"	99.50%			99.40%
2 DUDLEY ST.	4"				CHANGED UME
50 MAUDE ST. (508107)	6"	98.80%	98.50%	98.50%	98.50%
50 MAUDE ST. (508108)	6"	98.80%	98.70%		98.90%
ROSEBANK AVE	4"	99.10%	98.90%	99.00%	99.10%
825 CHALKSTONE AVE	6"	98.90%	98.50%		98.70%
1533 CHALKSTONE AVE(TURBINE)				CHANGED UME	
EDDY ST. (USGEN-700385)	6"		CHANGED UME	98.80%	99.40%
EDDY ST. (USGEN-700387)	6"		98.80%	98.80%	99.10%
101 DUDLEY (501172)	3"	98.80%	98.50%		98.60%
101 DUDLEY (501173)	3"	98.70%	98.50%	98.60%	98.50%
101 DUDLEY (817207)	3"		CHANGED UME		NEW ERTS
296 THAYER ST.	6"	98.50%	98.90%		
11 BENEVOLENT ST.	3"		99.00%		98.60%
70 SHIP ST.	4"		99.30%		99.30%

167 THAYER ST.	3"		99.10%	
60 OLIVE ST.	6"		CHANGED UME	CHANGED UME
56 GEORGE ST.	3"	98.50%	98.60%	98.60%
235 HOPE ST.(816827)	3"		98.80%	98.80%
235 HOPE ST.(700066)	3"		99.70%	98.90%
69 BROWN ST.	3"		99.00%	98.80%
830 CHALKSTONE AVE (601014)	6"		98.90%	98.90%
830 CHALKSTONE AVE (601015)	6"		99.20%	99.10%
830 CHALKSTONE AVE (818582)	8"			NEW METER

CITY OF CRANSTON	METER SIZE	2013	2014	2015	2016
190 HILLSIDE AVE	3"	INSTALLED			99.10%
889 PARK AVENUE	4"	95.40%	REPLACED UME		98.80%
80 METROPOLITAN AVE	3"	99.00%		98.90%	98.80%
250 MAYFIELD AVE	6"	98.70%		98.90%	95.80%- REPLACED UME
945 DYER AVE	8"	98.90%		99.40%	99.70%
1329 CRANSTON ST.	8"		98.80%	98.80%	
1655 ELMWOOD AVE	4"	99.00%		98.70%	98.80%
825 PONTIAC AVE	8"	98.90%	NEW METER	NEW UME	
1400 PONTIAC AVE	6"	99.50%	99.70%	99.10%	98.70%
24 KENNEY DRIVE	8"	99.40%	99.50%		99.30%
1400 OAKLAWN AVE	8"	NEW METER	98.50%		98.70%
200 CANNON ST.	6"	98.80%		99.94%-REPLACE METER LEAKING	
200 MAYFIELD AVE	6"	99.20%		98.90%	98.80%
100 ELENA STREET	6"		98.80%	98.70%	98.6%-CHANGED LOWSIDE METER
0 DEAN PARKWAY	8"	99.00%		99.50%	99.50%
225 NEW LONDON AVE	8"	98.50%		98.70%	96.70%- REPLACED UME
1401 ELMWOOD AVE	8"	98.80%		98.70%	98.70%
100 SOCKANOSSETT	3"	98.90%		NEW UME	
235 MAYFIELD AVE	8"	99.40%		98.80%	98.70%
50 BURNHAM ST.	4"	NEW REGISTERS		98.80%	
28 HARRIS AVE	6"	99.00%		INSTALLED NEW METER	
FENNER ST.	8"	98.70%		99.20%	99.00%
645 NEW LONDON AVE	8"	NEW METER		99.20%	
2700 PLAINFIELD PIKE	4"	99.20%			88.20%- LOW PRESSURE
1225 SCITUATE AVE	8"	99.50%		99.30%	99.20%
Pontiac Ave	10"		NEW METER	99.20%	98.90%
2550 PLAINFIELD PIKE	6"	98.50%		98.70%	98.70%
260 GARFIELD AVE	3"	92.70%	NEW UME	99.20%	99.20%

WALDEN WOODS	8"			98.70%	98.60%
69 BURLINGTON ROAD	4"	100%		99.90%	99.80%
270 NEW LONDON AVE	6"		98.90%	98.50%	98.80%
1467 ELMWOOD AVE	8"				99.30%
130 PETTACONSETT AVE	4"	NEW UME	NEW UME	99.00%	99.20%
1776 PLAINFIELD PIKE	8"		98.70%		98.50%
140 PETTCONSETT AVE	6"		99.00%	99.10%	99.00%
430 HOPE ROAD	4"	99.00%		98.60%	98.70%
420 PHENIX AVE	8"			99.30%	99.00%
115 SCITUATE AVE	3"	99.10%		98.80%	98.60%
115 SCITUATE AVE	3"	99.00%		98.70%	98.50%

TOWN OF JOHNSTON	METER SIZE	2013	2014	2015	2016
363 SIMMONSVILLE AVE	6"	98.50%		98.50%	98.60%
80 MORGAN AVE	6"			NEW METER	
1609 PLAINFIELD ST.	8"	98.80%		98.50%	98.60%
188 PUTMAN PIKE	6"	99.30%		99.50%	98.50%
47 MORGAN AVE	6"	98.90%		99.00%	98.90%
1603 PLAINFIELD ST.	6"	99.10%		99.00%	98.90%
204 GREENVILLE AVE	6"	98.90%		98.90%	98.90%
302 CENTRAL AVE	4"	99.00%		98.70%	98.60%
1457 HARTFORD AVE	4"	98.60%		99.20%	99.20%
1 STONEHILL DRIVE	10"	98.80%		99.10%	
1277 HARTFORD AVE	8"	99.70%			NEW METER
1674 HARTFORD AVE	8"				
270 CENTRAL AVE	3"	99.80%		98.80%	
1301 ATWOOD AVE	3"		NEW METER		
180 PUTMAN PIKE	6"	98.80%		99.70%	99.40%

TOWN OF NORTH PROVIDENCE	METER SIZE	2013	2014	2015	2016
200 HIGH SERVICE AVE	3"		98.70%	98.80%	98.70%
1905 MINERAL SPRING AVE	6"	98.90%		99.10%	REPLACED LOWSIDE METER
19 PARKARD AVE	6"	98.50%		NEW METER	99.30%
1140 CHARLES ST (TURBINE)	4"				NEW UME
25 MCGUIRE ROAD	6"	98.50%		NEW UME	NEW METER
60 HURDRIS	6"	98.50%		99.00%	
LEES FARM COMMONS	8"		NEW UME		99.30%
375 ANGELL ROAD	3"	98.80%	98.70%		98.90%
420 ANGELL ROAD	6"	99.10%	98.60%	98.60%	98.80%

184 WOONASQUATUCKET AVE

6"

99.10%

CLOSED

CLOSED

100.00%

Providence Water Docket 4618

**Data Requests of the  
Kent County Water Authority – Set 3  
December 21, 2016**

**KCWA 3-2:** Regarding NEP-REB-4A, 4B, and 4C: Was the June 2016 request to utilize amounts from the restricted Property Tax Refund shared with other customers that are on the service list for this docket or for Docket 3832? If not, why were the wholesale customers not notified of the request to use these funds?

**RESPONSE:**

The filing was made to the Public Utilities Commission on June 22, 2016. On August 18, 2016, the PUC distributed the filing to the parties on the Docket 3832 service list, and requested comments by September 12.

Providence Water Docket 4618

**Data Requests of the  
Kent County Water Authority – Set 3  
December 21, 2016**

**KCWA 3-3:** Please reconcile Ms. Parrillo's testimony (pg 8, line 17) that the conclusions in the Marcom asset study "was that the asset records for plant and depreciation accounts are correct" with Mr. Harold Smith's testimony (page 2, lines 25-29) that "some categories of assets had negative values", that "the resulting net asset plant values call into question using net plant as a basis for allocating capital costs", and his discussion regarding "the problem related to asset value appears to stem from accumulated depreciation." Given the issues and problems with the Marcom study results, why should rate payers be charge \$25,000 (NEP-REB-6) for a study that has provided incorrect results?

**RESPONSE:**

The examination by Marcum did not result in any problems or issues being noted. In Docket 4406, it was determined that there were errors in the net plant balances that were originally filed in that Docket on March 29, 2012. On June 6, 2012, revised schedules were submitted that corrected errors in the plant account balances. As explained by Jeanne Bondarevskis, former Senior Director for Administration for Providence Water, in her rebuttal testimony in Docket 4406:

"Providence Water did not realize that there were errors in our net plant numbers included in our March 29<sup>th</sup> filing, or we would not have used them. **This problem started in FY 2009, when Providence Water switched computer systems for its general ledger accounts.** [Emphasis added.] As soon as we realized that there were problems, through KCWA's discovery, we went back and recalculated the asset values from FY 2009 through FY 2012, and provided it to the service list on June 6<sup>th</sup>."

Docket 4406, Rebuttal Testimony of Jeanne Bondarevskis, at page 8.

As the problem was associated with fiscal years 2009 through 2012 we engaged Marcum, our audit firm, to examine our asset records, corresponding accumulated depreciation amounts, and the contributions in aid of construction ("CIAC") accounting for the period July 1, 2008 through June 30, 2015. Marcum found that their examination of these records (the records corrected and

refiled in Docket 4406) showed that the plant accounting records, depreciation accounting, and contributions in aid of construction accounting were correct in all material respects. [See Marcum report filed with the testimony of Nancy Parrillo at SS NEP – C.]

The submittal of Harold Smith's revised Schedule HJS-16 in his filing on September 28, 2016 was to correct for negative book values shown in his original filing. However, there were still compilation errors made in summarizing our net asset values that were shown on the revised HJS-16. These errors resulted in some smaller negative plant values in the Source of Supply & Pumping and Water Treatment-Plant cost centers. These compilation errors were not the result of incorrect plant accounting, depreciation accounting or CIAC accounting during the period from July 1, 2008 forward. [The period reviewed by Marcum.] They were the result of incorrectly summarizing Providence Water's plant accounts onto Schedule HJS-16.

In Christopher Woodcock's testimony filed on October 17, 2016, he recommends using gross (undepreciated) plant values and not deducting contributed assets (CIAC) from the gross plant values to develop the allocators for capital costs. In Harold Smith's rebuttal filing for Providence Water, Mr. Smith accepts the recommendation of Christopher Woodcock. Mr. Smith uses gross plant values and does not deduct contributed asset values (CIAC) in filing rebuttal schedule HJS-16. This has eliminated the negative plant values.

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