



Kent County Water Authority

February 14, 2020

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

Re: Infrastructure Program

Dear Mrs. Massaro:

In accordance with Kent County Water Authority rate order Docket #4611, we are required to file an Infrastructure Report semi-annually. The attached reports on infrastructure are through December 31, 2019.

Also, in accordance with the report and order are five copies to be provided as a filing to the Commission. A separate copy will be mailed to Ms. Christy Hetherington, Assistant Attorney General on this matter.

If you have any questions or members of your staff would like further information, please feel free to call at any time.

Very truly yours,  
Kent County Water Authority

A handwritten signature in black ink, appearing to read "D. Simmons", is written over the typed name and title.

David L. Simmons, P.E.  
Executive Director/Chief Engineer

cc: Board Members  
Christy Hetherington

Kent County Water Authority

Report on Progress of IFR Projects  
As of December 31, 2019

<u>Description</u>	<u>Proj #</u>	<u>Estimate</u>	<u>Expended</u>	<u>Estimated Funds to Complete</u>
IFR 2015B	284	\$6,904,917	\$6,904,917	\$0
Appanoag Circulator	289B	\$1,120,429	\$1,120,429	\$0
IFR 2016A	290	\$6,657,585	\$120,585	\$6,537,001
IFR 2016B	291	\$5,108,785	\$0	\$5,108,785
IFR 2016C		\$6,500,285	\$0	\$6,500,285
IFR Structure Demolition	293	\$349,286	\$90,401	\$258,885
IFR 2018	296	\$4,088,538	\$2,788,314	\$1,300,224
Water Supply Hydraulic Model	297	\$106,844	\$17,684	\$89,161
		\$30,836,669	\$11,042,328	\$19,794,341

## **IFR Report**

### **East Greenwich Well Replacement**

Construction commissioning and final payment completed in August of 2018. The Authority has now requested proposals from qualified Professional Engineering firms to conduct an inspection, evaluation and review of the newly constructed well facilities and prepare final design and contract documents for construction of a new three million gallon per day water treatment facilities at the existing site under its Capital Improvement initiatives.

### **IFR 2016 (A, B & C)**

Design Services completed and contract separated into 3 contracts due to cost. All contracts on hold until funding is acquired in the IFR restricted account. Expanding on design services to include two pressure reducing valve stations that are currently outdated and are not connected to our Supervisory Control and Data Acquisition (SCADA) system.

### **Construction Cost Estimates**

IFR 2016A- \$6,657,585

IFR 2016B- \$5,108,785

IFR 2016C- \$6,500,285

### **IFR Structure Demolition**

The original demo project that encompassed several obsolete and inactive concrete and/or steel structures and tanks was split into a separate contract to remove only the two steel water tanks in Coventry at this time. These projects were set at a higher priority due to lead coating present on the exteriors of both tanks. The project was awarded on September 24, 2019 to J.R. Vinagro Corporation for the lump sum price of \$275,840 in and is fully funded. The tanks are scheduled to be removed in March-April of 2020.

### **IFR 2018**

Project to repair water quality issues and a failed bridge crossing. First bid rejected due to sole bidder. The project was rebid and opened on 1/23/2019. The rebid yielded several bidders and was ultimately awarded to Boyle and Fogarty Construction for \$2.97 million. The project started

April 2019 and will be completed by November of 2019 with the exception of final paving in Spring of 2020.

### **Meter Replacement Program**

As approved in the most recent PUC rate filing Docket 4611, revenues were to be collected in a restricted account to replace all meter sized two inches and below. It was estimated that approximately 6.6 million dollars would be collected over three years at which time a compliance filing would be submitted to the PUC to potentially terminate the funding effective January 1, 2020, or on whatever date the program funding needs to be terminated to complete the project. An extension to the compliance filing was granted by the PUC to February 1, 2020. The project was split into separate requests for proposals, meter and meter reading hardware and software purchase and then separate installation contract would be awarded.

The Kent County Water Authority solicited proposals for the supply and delivery of water meters, registers, endpoint modules, and an Automatic Meter Reading (AMR) system migratable to an Advanced Metering Infrastructure (AMI) system with hardware and applicable software to upgrade its existing water meter reading system and equipment in November of 2018. The contract was awarded to Neptune Technology Group (NTG) on January 17, 2019 for \$4,450,144.42.

The Kent County Water Authority then solicited proposals for the installation of water meters and endpoints in January of 2019. The contract was awarded to Water Management Services WMS - A Division of Thielsch Engineering (WMS/Thielsch) on February 21, 2019 for \$1,719,047.70.

The total proposed meter project cost is \$6,169,192 and the installation of approximately 25,000 meters scheduled to be completed by June of 2021. In an effort to include large meters into the program due to savings and the Authority submitted an abbreviated rate filing which encompassed the required compliance filing. The original meter program funding did not include the replacement of large and medium meters sized 3-inches and above. KCWA would like to include large and medium meters in the scope of the current program using metered revenues that encompassed restricted collections generated through bypass meters size 2-inches and less. Bypass meters are small meters that capture low flows are attached to the large compound meters.