

Hart County Water and Sewer Authority Water Meter Improvements and Radio Read Conversion Hart County, Georgia

Services Provided:

Preliminary Planning
Funding Procurement
Design and Permitting
Program Management
Bid Phase Management
Interagency
Coordination

Project Data:

Total Project Cost:
\$365,000 Total
\$110,000 GEFA
DWSRF principal
forgiveness

Date of Completion:
January 2020

Contact:

HCWSA
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The Hart County Water and Sewer Authority was experiencing aging water meters throughout the HCWSA's water system and were in need of replacement. As meters age, they become inaccurate which can result in unmetered water loss. Studies have shown that by replacing these old meters, the water efficiency may increase by as much as 12% for each meter. Wireless automatic smart meter reading systems have been shown to reduce household water consumption by 10.2% compared to households without automatic meter read. Moreover, the meter replacements will reduce system operation costs by reducing meter reading manpower and fuel consumption.

To help facilitate the meter replacement program, the HCWSA contracted with Engineering Management, Inc. to develop a plan of improvements. EMI provided professional services for funding, bid document preparation, bid phase management, and funding administration assistance.

The project included replacement and installation of approximately 830 water meters with wireless automatic smart meter reading system meters, and the purchase of approximately 430 additional meters and 875 additional transmitters.

EMI assisted the Authority in obtaining a \$110,000 principal forgiveness for the project