

ReWa Conestee Force Main and Pump Station Upgrade Project

This project includes the construction of a new pump station, force main, and junction structure to enhance wastewater capacity management in the Lower Reedy WRRF Basin. It's an example of proactive planning that also provides an additional resource for the utility to use when responding to high-flow events and future facility upgrades. Flows in the Conestee area that normally go to ReWa's Lower Reedy WRRF through a gravity sewer could be pumped up to the utility's Mauldin Road WRRF.



AT A GLANCE

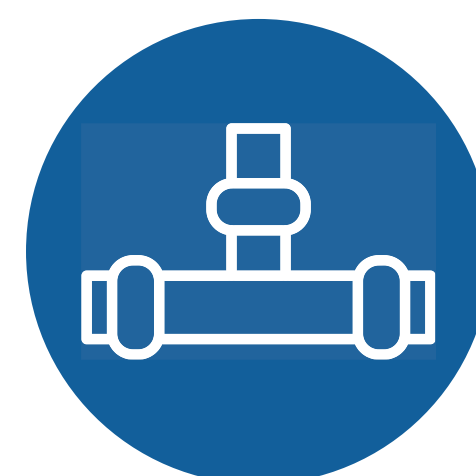
Force Main

- Approximately 10,400 linear feet of 24" ductile iron pipe (DIP)
- Weight of one 20 ft piece of DIP pipe = 2,500 lbs
- Approximately 4,800 linear feet of 24" PVC
- Weight of one 20 ft piece of PVC pipe = 1,000 lbs

Pump Station

Quadplex pump station meaning four (4) pumps

- Pump station capacity = approximately 15 million gallons per day (MGD)
- Pumps are submersible meaning they pump from a submerged position within the wastewater.
- Each pump's capacity = 5.3 MGD
- Each pump's maximum speed = 1,800 rpm
- Each pump's horsepower = 455 HP



Approximately 15,000 linear feet of new force main.



Received a \$10 million grant from the South Carolina Infrastructure Improvement Program (SCIIP), along with financing through a loan from the South Carolina Department of Environmental Services State Revolving Fund program.