

Town of Braselton Water Reclamation Facility Barrow and Jackson Counties, Georgia

Services Provided:

Preliminary Planning
Funding Procurement
Program Management
Construction Observation
Operator Assistance in Start-up
Land Acquisition Assistance

Project Data:

1.27 MGD Expanding to 2.54
MGD

Construction Cost:
Phase I - \$7.5 Million
Phase II - \$5.4 Million

Date of Completion:
Phase I - 11/01
Phase II - 11/06

Contact:

The Hon. Pat Graham, Mayor
Town of Braselton
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Braselton, GA 30517
(706) 654-3915



The Town of Braselton, Georgia, faced with unprecedented residential, industrial and commercial growth, contracted with Engineering Management, Inc. in early 2001 to develop a program to address these needs. EMI developed RFPs, preliminary planning and engineering data, and assisted the Town in awarding a fast-track design/build contract in March 2001.

Construction of the program was underway within two weeks and was completed as projected at the end of November, 2001. Components of the treatment works include SBR technology, fine screening, ultraviolet disinfection, on-site sludge management, and site work improvements will produce re-use quality effluent. Effluent from the new plant is transported to area golf courses and also used to recharge local river basins.

Design is also slated for doubling the capacity with additional transportation lines to provide re-use quality water to irrigation facilities at built-up areas of the community.

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TOWN OF BRASELTON
JACKSON COUNTY



The Town of Braselton's re-use wastewater program took top honors in the small-city category for Community and Economic Development in a recent Georgia Trend Setter Awards event. The re-use wastewater program was developed by EMI to help ensure future industrial and residential growth in the rapidly developing area of Braselton. Demands for water usage were extremely high and projected to exceed capacity. While re-use systems had been in place in other states, this was the first of its kind in Georgia. Since re-use water permitting regulations had not yet been established at the state level, EMI worked closely with the Georgia Environmental Protection Division to develop these regulations.

Currently, the re-use water system is used for irrigation of golf courses and sod farms. Other uses under consideration include industries that don't require potable water such as concrete plants and carpet manufacturers. Potential residential uses being explored include lawn irrigation and sanitary capacity for flushing toilets. The cost of recycled water is about one fourth the price when compared to drinkable water, and reduces the demand on the drinking water capacity.

The Town Braselton was also chosen from among dozens of candidates to participate in the recent "City Showcase" at the National League of Cities' annual congress. The showcase is an annual display and celebration of innovative city programs from around the country, offering city leaders a chance to share ideas and valuable experiences. The town's re-use water system developed by EMI gained national attention for its innovation, operational standards and efficiency.



NATIONAL LEAGUE OF CITIES

Strengthening & promoting cities as centers of opportunity, leadership and governance