

Experience

Water and wastewater facilities



Severn Trent Services is one of the largest water and wastewater service firms in the United States. Our 1,100-plus professionals are responsible for over 425 contracts that encompass more than 450 water and wastewater facilities. We currently provide contract operations in 20 states and continue to grow to service additional states each year. Severn Trent has become recognized as a leader in providing cost-effective operations while ensuring the highest level of service and regulatory compliance.

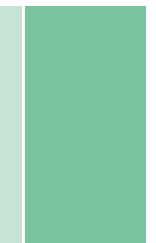
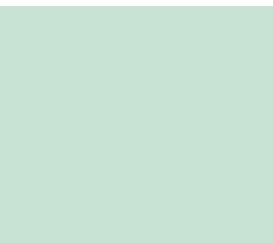
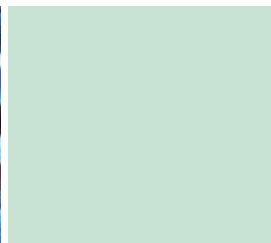
The following provides highlights of just a few Severn Trent projects.

Alamogordo, New Mexico – Severn Trent is operating, maintaining and managing the water and wastewater treatment facilities for the City of Alamogordo, a community with a population of 35,000 residents. The wastewater system includes a 4-MGD wastewater treatment plant, four pump stations, SCADA system and reclamation and land application programs. Wastewater effluent is used to irrigate the City's parks, esplanades and a local golf course. The water system includes 7- and 2.2-MGD water treatment plants, 10 wells, 65 mountain springs, seven storage tanks and three reservoirs. The City receives water from Bonito Lake, a reservoir located approximately 75 miles away. Most recently, Severn Trent's contract was expanded to include responsibility for operating and maintaining the Bonito Lake transmission line.

Chandler, Arizona – Severn Trent Services has operated the 10-MGD Chandler-Ocotillo water reclamation facility since 1985, providing management, operation and maintenance for the facility that treats industrial and residential waste. A unique feature of the Chandler-Ocotillo water reclamation facility is that all treated water is recycled—placed in storage lakes, recharged to the aquifer, sent to an industrial user or sent to an adjacent Indian community for agricultural use. A nearby Intel manufacturing facility also uses the reclaimed water as a source of cooling tower water. Severn Trent has recently completed the startup of facility upgrades that include the odor control system and the installation of another effluent pump station, allowing reuse water to be sent to the adjacent agricultural land on the Gila River Indian Community.

Chickasha, Oklahoma – Severn Trent has operated and maintained Chickasha's water and wastewater facilities for more than 20 years. The City had compliance problems at their wastewater plant and, within one month, we corrected operational problems and established our maintenance program. Since then, Chickasha's facility has received numerous awards from the Oklahoma Water Pollution Control Association. This was accomplished while generating capital avoidance and operational savings of approximately \$2,000,000.

East Hampton, New York – Severn Trent assumed responsibility for operating of the Town of East Hampton Scavenger Waste Facility in 2001. The facility exclusively treats septage waste brought in by trucks and is permitted to treat 45,000 gallons per day. The system currently is challenged by high flows of up to 80,000 gallons on peak days in the summer months and underutilization in the winter months. When the influent received exceeds capacity, Severn Trent coordinates the storage of this excess volume through its transportation to the Bergen treatment plant in West Babylon.



Florida Governmental Utility Authority (FGUA) – Severn Trent Services has worked with the FGUA since 1999, beginning with the operation and maintenance of the Poinciana and Golden Gate systems. In 2003, the Citrus County and Lehigh Acres systems were added to the contract. In 2006, Severn Trent was awarded a five-year renewal. The project scope comprises 24 water treatment plants, 11 wastewater treatment plants, 63 water wells, and over 650 miles of water mains. Under the contract Severn Trent is responsible for operations and maintenance of each system’s water supply; wastewater collection, treatment and disposal systems; providing treatment and distribution services; and offering full customer service ranging from reading more than 54,000 meters to generating billing statements for over 57,000 FGUA accounts.

Glen Cove, New York – Severn Trent’s 20-year agreement to operate and maintain Glen Cove’s 5.5-MGD wastewater plant was the first long-term O&M contract of its kind ever executed in the United States. Within the first two years, Severn Trent invested more than \$3 million in capital improvements. We addressed and virtually eliminated odor problems that had been plaguing the system through operational and process changes and by building a new sludge handling facility. Most recently, Severn Trent orchestrated a septage receiving station at the facility to utilize excess capacity. The program is growing rapidly and is on track to achieve the City’s goal of increasing the facility’s revenue by \$900,000 per year.

Jackson, Mississippi – Severn Trent began operating the Jackson wastewater system—the largest in Mississippi—in 1985. The City had been forced to limit its treatment capacity due to more stringent stream loading parameters imposed by the State and EPA. We took steps that allowed the City to utilize the full capacity while complying with the more stringent discharge parameters. This project includes three wastewater treatment plants totaling 125 MGD, 92 pumping stations and land application of 11,000 dry tons of biosolids annually.

Lititz, Pennsylvania – Severn Trent began operating the Borough of Lititz’s 3.85-MGD two-stage activated sludge wastewater treatment plant and the 4-MGD water treatment plant in 1988. Since the inception of the contract, the water treatment plant has met all the Safe Drinking Water Act requirements and the wastewater plant has had an excellent record of regulatory compliance. In 1990 and 2005, the wastewater facility received the USEPA Region III O&M Excellence Award and was a national award finalist. This plant also received the Eastern Pennsylvania Water Pollution Control Operators Association O&M Excellence Award in 2004.

North East, Maryland – Severn Trent operates and maintains the Town of North East’s water system that includes the first surface water direct filtration facility approved for water supply in the State of Maryland. Severn Trent was involved in coordinating an \$8 million capital improvement plan that was funded by grants and low interest loans. The water system consists of two Class 4 surface treatment plants (one direct filtration, the other conventional filtration) totaling 1 MGD, four elevated and three underground storage tanks, distribution system and four pump stations.

Pasadena, Texas – Severn Trent operates and maintains the City’s two wastewater plants, serving approximately 150,000 residents. Treating approximately 5.73 billion gallons of wastewater per year, Severn Trent saved the City \$4,277,000 in the first five-year term. Through subsequent contracts, Severn Trent continues to save the City approximately \$1,000,000 per year based on the original 1993-94 budget. In addition, Severn Trent’s review of the plans and specifications for the new Vince Bayou wastewater plant helped save the City in the cost of construction. Constructed at a cost of \$1.20 per gallon including solids handling, O&M costs will be lower than the existing facility over the 30-year life of the plant.

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