

FY 2010 Energy and Water Appropriations Requests

**Project Title:** Atlantic Intracoastal Waterway, SC  
**Amount:** \$5,545,000  
**Recipient:** US Army Corps of Engineers – Charleston District, SC  
**Purpose:** Navigation  
**Description:**

Federal funding will be used to dredge the Atlantic Intracoastal Waterway (AIWW), which will allow for the continual usage of the waterway as vessel traffic for east coast container ships of all sizes. If the AIWW were not navigable, vessel traffic would be forced to traverse the east coast using the open ocean. This would significantly increase the potential threat to vessel safety from weather-related activity and would limit the type of vessels that could efficiently transport commercial cargo.

**Project Title:** Charleston Harbor, SC  
**Amount:** \$11,645,000  
**Recipient:** US Army Corps of Engineers – Charleston District, SC  
**Purpose:** Navigation  
**Description:**

Charleston Harbor supports a vital mission in the defense of our nation and is one of the nation's 14 strategic ports. It is the 4th busiest container port on the east coast and provided over 40% of the equipment and material in support of reconstruction efforts in Iraq and Afghanistan. This project consists of maintenance of 44.6 miles of channel, three turning basins, and one anchorage basin. The lower harbor requires dredging every year, the entrance channel every other year, and the upper harbor approximately every 16 - 18 months.

**Project Title:** Charleston Harbor, SC (Post 45 Ft Deepening)  
**Amount:** \$250,000  
**Recipient:** South Carolina State Ports Authority, Charleston, SC  
**Purpose:** Navigation  
**Description:**

Federal funds will be used to initiate and complete a reconnaissance study to investigate if further channel deepening/widening beyond the current 45-foot depth is warranted. The study will look at the feasibility and benefit-cost ratio of deepening certain shipping channels beyond 45 feet. An increase in the amount of cargo ships using the terminal will increase the amount of funds the harbor generates for the local community. It will also keep Charleston Harbor competitive among other ports of call on the east coast, strengthening the shipping industry for the area.

**Project Title:** Charleston Spring Street/Fishburne Drainage, SC  
**Amount:** \$1,000,000  
**Recipient:** City of Charleston, SC  
**Purpose:** Infrastructure  
**Description:**

Approximately 500 acres of the peninsula of Charleston fall within the Spring Street/Fishburne Street drainage basin. The area is home to neighborhoods, schools and hospitals; however, the existing drainage facilities provide only 6 percent of the required capacity, and consequently this

area is subject to frequent and disruptive flooding. This area is traversed by US Highway 17 which is a major hurricane evacuation route. This flooding can make Highway 17 impassable and severely limit access to emergency services at the Medical University of South Carolina. The reduction of stormwater and tidal flooding will benefit the preservation of the city's housing structures, commercial buildings, and infrastructure.

**Project Title:** Charleston Wastewater Tunnels, SC  
**Amount:** \$1,000,000  
**Recipient:** Charleston Water System/Public Service Division, SC  
**Purpose:** Environmental Infrastructure/Sewer Improvements  
**Description:**

The City of Charleston, SC is provided sewer service by an 8 mile long network of 100-foot-deep tunnels that collect wastewater from shallow sewer lines and carries it to the Plum Island plant for treatment. These structures were built in the 1960's and are deteriorating at a rapid pace. Sections of the tunnels have collapsed. The Water Resources Development Act of 2007 authorized participation at a total of \$16M for wastewater tunnel replacement in two separate authorizations (Charleston Wastewater Tunnels and Charleston and West Ashley). Improvements are cost shared 75% Federal and 25% local. The tunnel system is being replaced in five phases - phase one, two, three and four are complete. Through federal funding, improvements to the city's sewer system will be realized by replacing the current deteriorating sewer system.

**Project Title:** Congaree Regional Waterfront Park (Innovista) Study  
**Amount:** \$750,000  
**Recipient:** City of Columbia, SC  
**Purpose:** To perform a feasibility study to continue the planning for this comprehensive project.  
**Description:**

The overall redevelopment project, which involves the potential development of more than 500 acres and 11 million square feet of residential, commercial and retail space, could also generate more than \$1.6 billion in economic activity associated with construction and add more than 8,700 jobs to the local market. It would also generate more than \$270 million in additional retail sales and more than \$17 million in additional property taxes.

**Project Title:** Cooper River, Charleston Harbor, SC  
**Amount:** \$4,680,000  
**Recipient:** US Army Corps of Engineers – Charleston District, SC  
**Purpose:** Navigation  
**Description:**

The project includes operation and maintenance of the powerhouse and associated structures and facilities in accordance with the US Army Corps of Engineers – Charleston District's agreement with the SC Public Service Authority (SCPSA). This project is primarily an extension of the Charleston Harbor project. The project was authorized, constructed, and is operated with one purpose - the reduction of siltation in Charleston Harbor. Prior to re-diversion, costs for the Operation and Maintenance of the Charleston Harbor were threatening the continued viability of the port. That purpose can only be satisfied with the continued operation of the project. The reduction of siltation in Charleston Harbor will increase usage to the Charleston Harbor which will bring an increase in commerce to the local economy.

**Project Title:** Edisto Island, SC  
**Amount:** \$167,000  
**Recipient:** Town of Edisto, SC  
**Purpose:** Storm Damage Reduction  
**Description:**

Portions of Edisto Beach have a long history of erosion. Storms at Edisto Beach have resulted in structural damage along the 700 block of the beach. The northern portion of the beach appears to be in a critically eroded state with ocean water flowing underneath many structures at high tide. Federal funds will allow for the completion of the feasibility study and shorten the time it will take to get to construction – decreasing the possibility of storm damage in the interim. A cost savings will be realized by the taxpayer as a direct result of reduction of hurricane and storm damage to housing and commercial structures in the local area.

**Project Title:** EngenuitySC Commercialization and Entrepreneurial Training Project  
**Amount:** \$1,000,000  
**Recipient:** EngenuitySC, Columbia, SC  
**Purpose:** To recruit existing businesses and catalyze the creation of new businesses to commercialize discoveries in alternative energy emerging from research underway at the University of South Carolina (USC).

**Description:**

EngenuitySC will identify prospect companies interested in relocating to Columbia to commercialize USC's alternative energy discoveries. It will work proactively with these companies, doing the work required and providing resources needed to secure the companies' start-up or relocation. It will also work with knowledge companies that have already relocated to the region to assist in their success. Funding will also be used to provide entrepreneurial training for high school students to grow the knowledge economy talent pool in the region.

The federal government plays a vital role in supporting alternative energy economic development projects that have broad community support. Federal funding received by EngenuitySC will be matched with private sector and other non-federal funds to increase the impact of the funds.

**Project Title:** Georgetown Harbor, SC  
**Amount:** \$3,600,000  
**Recipient:** US Army Corps of Engineers – Charleston District, SC  
**Purpose:** Navigation  
**Description:**

Federal funding will be used to dredge the Georgetown Harbor, which is critical to the viability and successful operation of the paper mill and steel mill where a majority of workers in the area are employed. In essence, the harbor serves as a subsistence harbor for the community. Lack of disposal area capacity will directly impact the ability to dredge and maintain channel depth. The three disposal areas require some form of ongoing maintenance and repair every year. Maintenance will reduce future dredging costs since material will no longer fall into the channel.

**Project Title:** Hunting Island, SC  
**Amount:** \$100,000  
**Recipient:** SC Department of Parks, Recreation and Tourism, Columbia, SC  
**Purpose:** Environmental Restoration  
**Description:**

This study will investigate methods that would serve to reduce the high erosion rate prevalent at Hunting Island. This project protects the rare mature maritime forest ecosystem and restores a fresh water wetland, lagoon, and existing park infrastructure from further loss so the citizens of South Carolina can enjoy one of the few public parks located on the coast. This will also result in the restoration of vital loggerhead sea turtle nesting habitat and reduce the number of required nest relocations.

**Project Title:** Lakes Marion and Moultrie, SC  
**Amount:** \$1,000,000  
**Recipient:** Lake Marion Regional Water Agency, Vance, SC  
**Purpose:** Water Supply  
**Description:**

Using Lake Marion as a source, this environmental infrastructure project will provide potable water to satisfy the immediate and future water supply and sewer needs for a large portion of five counties and six municipalities located in central South Carolina. The project will result in potable water to current residents and meet future demand for water supply in the area. It will also improve potential development for the local area by providing infrastructure support to new industries.

**Project Title:** Pawleys Island, SC  
**Amount:** \$5,848,000  
**Recipient:** Town of Pawleys Island, SC  
**Purpose:** Storm Damage Reduction  
**Description:**

This hurricane and storm damage reduction project is located on Pawleys Island and funds will be utilized to execute the Project Partnership Agreement, certify real estate, and award a construction contract for placement of material on the beach to reduce storm damages. A cost savings to the taxpayer will be realized as a direct result of the reduction of hurricane and storm damage to housing, commercial buildings and infrastructure in the local area.

In order to reduce the lead time between actual funding and contract award, the Town of Pawleys Island is prepared to pre-fund the necessary survey and appraisal work if federal funding is received. The matching funds are scheduled to expire on June 17, 2009, but the Town has applied for an extension with the hope of securing these critical funds.

**Project Title:** Reedy River, SC  
**Amount:** \$600,000  
**Recipient:** City of Greenville, SC  
**Purpose:** Environmental Restoration  
**Description:**

This study will determine the feasibility of carrying out a project for habitat restoration, water quality, flooding/floodplain delineation, and other related purposes on the Reedy River.

Environmental initiatives can result in improvements that provide a wide range of economic and environmental benefits. In the case of a stream polluted by agricultural runoff, the benefits from eliminating the pollution can be compared to costs of actions to reduce the runoff. Residual benefits could be realized through reducing damages to homes and businesses caused by flooding. The City is interested in initiating and completing a feasibility study focusing on the construction of environmental restoration projects and investigating opportunities for flood damage reduction features in the vicinity of Greenville, SC.

**Project Title:** Savannah River Basin Comprehensive Water Resources Study - Phase II, GA/SC  
**Amount:** \$1,000,000  
**Recipient:** US Army Corps of Engineers – Savannah District, GA  
**Purpose:** To fund Phase II of the Savannah River Comprehensive Water Resources Study which will provide critical information to the Army Corps so that they can update their Thurmond Dam operations manual – which has not been updated since the dam was built 51 years ago.

**Description:**

Currently, much of the Savannah River Basin, which comprises most of the border between South Carolina and Georgia, is facing severe drought conditions. Section 414 of the Water Resources Development Act of 1996 (PL 104-303) authorized a Savannah River Basin Comprehensive Water Resources Study in order to develop an updated plan addressing current and future needs in the basin, examine reallocation of storage at Corps of Engineers multi-purpose projects, and to develop a better management structure to address basin water resources issues. The study was initiated in 2000 upon agreement by the Corps and the states of Georgia and South Carolina. However, federal funding for this project has not been appropriated by Congress since fiscal year 2006, and Phase II of the study has yet to be completed. The completion of the second phase of the Comprehensive Study will generate new operating guidelines for the allocation of the water stored at the three Federal reservoirs in the Savannah River basin, possibly changing the water allocations for hydropower, water supply, and flood damage reduction. This study would provide better flow and water use data to the Corps so they can meet the needs of the wide variety of stakeholders on the river – including those of municipalities, private landowners, utilities, and natural resource requirements.

**Project Title:** Town Creek, SC  
**Amount:** \$500,000  
**Recipient:** US Army Corps of Engineers – Charleston District, SC  
**Purpose:** Navigation  
**Description:**

The project provides an inner channel ten feet deep by 80 feet wide from the Atlantic Intracoastal Waterway to the mouth of Five Fathom Creek, and also includes an entrance channel twelve feet deep by 100 feet wide across the ocean bar. This channel provides access to the open ocean for 30 - 35 commercial shrimp vessels that operate out of the area.