



US Army Corps
of Engineers
Wilmington District

Falls Lake, NC (O&M)

FY 2014 Budgeted Actions:

- Operation and maintenance of dam infrastructure for flood risk management
- Operation and maintenance of recreation facilities to meet increased public demand
- Environmental stewardship of the property



CONGRESSIONAL DISTRICT: NC 1, 13

DATE: 8 April 2013

1. **AUTHORIZATION:** Flood Control Act of 1965 (PL 89-298).
2. **LOCATION AND DESCRIPTION:** The project is located on the Neuse River about 10 miles north of the city of Raleigh, North Carolina. The project consists of an earth dam which is 1,915 feet long with a maximum height of 92 feet above the streambed. The dam has a 30-foot top width. An uncontrolled chute spillway, 100 feet wide, is located in the east abutment and a controlled 17.4 foot diameter outlet structure. The reservoir has a gross storage capacity of 374,450 acre-feet, of which 243,050 acre-feet is for flood risk management, 45,000 acre-feet for water supply for the city of Raleigh, 61,330 acre-feet for water quality control, and 25,070 acre-feet for sediment storage. The reservoir is operated as the initial unit of a coordinated system for flood risk management in the Neuse River basin for water supply, water quality control, recreation, and other purposes.
3. **FEDERAL FUNDING ALLOCATION FOR FY 2012:** \$1,960,000.
4. **FY 2013 BUDGET AMOUNT:** \$1,782,000. Funds are being used to continue operation and maintenance requirements for flood risk management, recreation and environmental stewardship.
5. **FY 2014 BUDGET AMOUNT:** Funds in the amount of \$1,767,000 will be used for normal operations and maintenance of the project. Additional funds in the amount of \$3,037,000 could be used for the following:

PROJECT INFORMATION – Falls Lake, NC (O&M) – Continued

<ul style="list-style-type: none"> Water storage reallocation study at the request of the city of Raleigh and the state of North Carolina 	\$ 500,000
<ul style="list-style-type: none"> Accomplish critical recommendations from the Falls Lake Interim Risk Reduction Measures Plan. Dam is a DSAC III rated structure. Perform intake tower and conduit inspection, stability analysis, install downstream warning system. 	\$ 377,000
<ul style="list-style-type: none"> Perform major maintenance of water control gates, north chamber. 	\$ 235,000
<ul style="list-style-type: none"> Concrete abutment removal design & construction; cylinder repairs; repaint service gates. 	\$ 204,000
<ul style="list-style-type: none"> Review and update available water supply storage based on the new drought of record Dec 2002. 	\$ 60,000
<ul style="list-style-type: none"> Build and install new visitor center lobby interpretive exhibits to replace 20 year-old existing exhibits. Design work for exhibits completed in 2009. 	\$ 155,000
<ul style="list-style-type: none"> Construct a 0.25 mile multi-use, ADA accessible trail to be built along the top of Falls Dam to provide for visitor safety. The two lane road across Falls Dam is bordered by a guardrail and concrete wall and provides no shoulder or walkway for our 100,000 visitors/year to walk or ride their bikes. Visitors must compete with vehicular traffic on the roadway. A multi-use trail on the downstream side of the dam would allow our pedestrians and bikers a safe place to walk and ride. 	\$ 400,000
<ul style="list-style-type: none"> Perform an expansion of an existing parking lot on Falls Dam and a handicapped accessible trail from the top of Falls Dam to the lake. Falls Dam received over 100,000 visitors in FY09. The current parking lot has space for 8 vehicles (no ADA spaces) and is commonly full. This plan would increase the parking lot from 8 spaces to 30 spaces. The parking and trail would allow handicapped visitors the ability to reach the lakeshore which they currently cannot do. Also includes road paving, update partial new visitor center exhibits, and perform other infrastructure. 	\$ 360,000
<ul style="list-style-type: none"> Design, fabrication, and installation of an ADA compliant waterborne comfort station near Falls Dam. This basic comfort station would provide minimum facilities necessary for public health and comfort. Falls Dam received over 100,000 visitors in FY09. The two existing public comfort stations in the area are at the Visitor Assistance Center and at the Tailrace Fishing Area. 	\$ 250,000
<ul style="list-style-type: none"> Conduct archeological survey of forest compartments and other non-recreation areas. Completion of a comprehensive survey aids the completion of cultural resources management plan, historic properties management plan, and cultural resources data base. 	\$ 232,000
<ul style="list-style-type: none"> Review and provide consultation regarding potential impacts to coneflower resulting from proposed activities on and adjacent to Government property. Develop plan and assessment to guide the inventory preservation and development of historic resources for public benefit; provide management and operations to support integrated pest management activities in compliance with natural resource and environmental protection mandates and update Falls Lake Operational Management Plan (OMP). 	\$ 264,000
Total	\$ 3,037,000

PROJECT INFORMATION – Falls Lake, NC (O&M) – Continued

6. **OTHER INFORMATION:** As a result of the 2007 drought event, the city of Raleigh has requested a temporary reallocation of sediment pool storage for use as water supply to help meet emergency situations during a future drought event. In response, the Corps has developed a draft agreement with the state of North Carolina for temporary use of available sediment pool storage, whereby the state would make available such storage to the city of Raleigh and other water users located downstream of Falls Lake. The Corps is finalizing the terms of the agreement.

The Corps has also initiated an initial appraisal report under Section 216 of the Flood Control Act of 1970 which could lead to a water storage reallocation study, as indicated in the previous table. See separate fact sheet labeled “Fall Lake NC, Reallocation Study” for more information.