



US Army Corps  
of Engineers  
Wilmington District

## Falls Lake, NC (O&M)

### FY 2016 Planned 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 Federal property



CONGRESSIONAL DISTRICT: NC 1, 13

DATE: 23 February 2015

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 provides for planned releases from the dam. 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 water management in the Neuse River basin for flood risk reduction, water supply, water quality control, recreation, and other purposes.
3. **FEDERAL FUNDING ALLOCATION FOR FY 2014:** \$1,574,000.
4. **ESTIMATED FY 2015 FEDERAL ALLOCATION:** \$1,910,000. Funds are being used to continue operation and maintenance requirements for flood risk management, recreation and environmental stewardship.
5. **FY 2016 BUDGET AMOUNT:** \$1,776,000. Funds would be used for normal operations and maintenance of the project. Additional funds in the amount of \$2,382,000 could be used for the following:

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

<ul style="list-style-type: none"> <li>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, and install downstream warning system.</li> </ul>	\$ 377,000
<ul style="list-style-type: none"> <li>Perform major maintenance of water control gates, north chamber.</li> </ul>	\$ 235,000
<ul style="list-style-type: none"> <li>Perform concrete abutment removal design &amp; construction; cylinder repairs; and repaint service gates.</li> </ul>	\$ 204,000
<ul style="list-style-type: none"> <li>Review and update available water supply storage based on the new drought of record from Dec 2002.</li> </ul>	\$ 60,000
<ul style="list-style-type: none"> <li>Construct a 0.25 mile multi-use Americans with Disabilities Act (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.</li> </ul>	\$ 400,000
<ul style="list-style-type: none"> <li>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 averages over 100,000 visitors per year. 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.</li> </ul>	\$ 360,000
<ul style="list-style-type: none"> <li>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 averages over 100,000 visitors per year. The two existing public comfort stations in the area are at the Visitor Assistance Center and at the Tailrace Fishing Area.</li> </ul>	\$ 250,000
<ul style="list-style-type: none"> <li>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.</li> </ul>	\$ 232,000
<ul style="list-style-type: none"> <li>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).</li> </ul>	\$ 264,000
<b>Total</b>	<b>\$ 2,382,000</b>

6. **OTHER INFORMATION:**

The city of Raleigh has expressed an interest in providing gratuitous funds under a memorandum of agreement for the Corps to conduct a water reallocation study at Falls Lake. See separate fact sheet labeled “Fall Lake NC, Reallocation Study” for more information.