



US Army Corps
of Engineers
Wilmington District

Falls Lake, NC (O&M)

FY 2020 Planned Actions:

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



CONGRESSIONAL DISTRICT: NC 1, 2

DATE: 25 March 2019

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 feet 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 2018:** \$2,494,000
4. **FY 2019 BUDGET AMOUNT:** \$3,275,000. Funds are being used to continue operation and maintenance requirements for flood risk management, recreation and environmental stewardship. Specific work items include repairs and replacement of Piezometers (\$185,000) and refurbishment of one water control gate (\$545,000).
5. **FY 2019 WORK PLAN:** \$22,000.00. Additional funds used to continue operation and maintenance requirements.

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

6. **FY 2020 BUDGET AMOUNT:** \$1,777,000. Funds in the amount of \$1,777,000 will be used for normal operations and maintenance of the project. Funds in the amount of \$413,000 could be used for the following:

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| <ul style="list-style-type: none"> Funding necessary to repaint service gates and hydraulic system to prevent further corrosion. | \$ 203,000 |
| <ul style="list-style-type: none"> Install water and sewer lines, with connection to municipal source to replace failing well system at the Tailrace of Dam restroom. Includes tap fees, design of replacement system for current well water and septic fields. | \$ 150,000 |
| <ul style="list-style-type: none"> Update inventory of natural communities and special status species for 26,000 acres in partnership with the North Carolina Natural Heritage Program and Wildlife Resources Commission. | \$ 60,000 |
| Total | \$ 413,000 |

7. **OTHER INFORMATION:** Using gratuitous funds from the City of Raleigh, a water reallocation study at Falls Lake was completed in FY 2019. See separate fact sheet labeled “Falls Lake, NC, Reallocation Study” for more information.