



US Army Corps
of Engineers
Wilmington District

W. Kerr Scott Dam and Reservoir, NC (O&M)

FY 2019 Planned Actions:

- **Operate and maintain recreation facilities to meet continued public demand**
- **Operate and maintain dam infrastructure for flood risk management**
- **Environmental stewardship of the property**



CONGRESSIONAL DISTRICT: NC 05

DATE: 23 April 2018

1. **AUTHORIZATION:** Flood Control Act of 1946 (PL 79-526).
2. **LOCATION AND DESCRIPTION:** The W. Kerr Scott Dam and Reservoir is located on the Yadkin River about 6 miles upstream from Wilkesboro, North Carolina. At full flood pool elevation (1,075 feet mean sea level), the reservoir extends 15.7 miles upstream to the Wilkes-Caldwell County line. The project consists of a rolled earth-fill dam 1,740 feet long with top of dam about 148 feet above the streambed elevation. There is also a spillway near the north abutment of the dam in a rock cut with a crest elevation of 1,075 feet and an outlet works consisting of an intake structure, control tower, and a circular concrete conduit 12.25 feet in diameter through the base of the dam near the south abutment. The reservoir has a gross capacity of 153,000 acre-feet of which 112,000 acre-feet are reserved for flood risk management, 33,000 acre-feet will be used as required for water supply, and 8,000 acre-feet being contained in the minimum pool.
3. **FEDERAL FUNDING ALLOCATION FOR FY 2017:** \$3,486,000.
4. **FY 2018 PRESIDENT'S BUDGET:** \$3,363,000. Funds are being used to continue operations and maintenance requirements for flood risk management, recreation and environmental stewardship. A non-routine upgrade to the HVAC system and window will result in energy savings and reduced operational costs.
5. **FY 2018 WORK PLAN:** To be determined.

PROJECT INFORMATION – W. Kerr Scott Dam and Reservoir, NC (O&M) – Continued

6. **FY 2019 BUDGET AMOUNT:** \$3,417,000. Funds would be used for normal operations and maintenance of the project. Funds in the amount of \$ 2,480,000 could be used for the following:

• Replace five wooden docks on poles with aluminum docks with bulkheads	\$ 200,000
• Dispose of the failing retaining wall at the Berry Mountain swim beach and stabilize the shoreline	\$ 150,000
• Purchase a Dump Truck for use in routine maintenance	\$ 80,000
• Repair severe scouring damage of the concrete stilling basin	\$ 100,000
• Replace the shower house in Bandit's Roost B Loop	\$ 350,000
• Continue modernization of campground and day-use park with Americans with Disabilities Act (ADA) compliant accessible walkways, repair of picnic shelters, erosion control, and paving within Ft. Hamby Park	\$ 250,000
• Replace degraded riprap on upstream face of dam (elevations 1028' to 1035' elevation)	\$ 750,000
• Conduct an issue evaluation study to evaluate the existing risk conditions due to erosion (scour) the embankment adjacent to the conduit approach for W. Kerr.Scott Dam	\$ 20,000
• Conduct an updated inflow Design Flood analysis	\$ 70,000
• Perform an updated stability analysis	\$ 10,000
• Update water control plan, additional operations of dam and reservoir, additional water control management, spillway erosion study, and investigate service gates	\$ 300,000
• Perform required annual maintenance of dam, intake control tower, electric & hydraulic system, instrumentation, pumps & motors, shop & maintenance areas to meet minimum legal responsibilities and paving and marking operational roads	\$ 100,000
• Replace the Lara Shelter and attached sound/light booth at amphitheater	\$ 75,000
• Achieve compliance with Section 110 of the National Historical Preservation Act, ER/EP 1130-2-540	\$ 25,000
Total	\$ 2,480,000

7. **OTHER INFORMATION:** The towns of Wilkesboro and North Wilkesboro in partnership with Wilkes County submitted a conceptual proposal for a water intake just upstream of the W. Kerr Scott Reservoir Dam. The high cost of construction have delayed the installation. Refer to the “W. Kerr Scott, NC, Wilkes County Water Intake Project, Wilkes County, NC” fact sheet for more information.

PROJECT INFORMATION – W. Kerr Scott Dam and Reservoir, NC (O&M) – Continued

FERC issued a Preliminary Permit No. 12642 to Wilkesboro Hydroelectric Company, LLC on October 25, 2006 to perform investigations and review the feasibility of adding hydropower generation. Coordination between the Corps, FERC and Wilkesboro Hydropower is ongoing. Refer to the “W. Kerr Scott, Dam and Reservoir, NC, Non-Federal Hydropower Add-On” fact sheet for more information