



US Army Corps  
of Engineers  
Wilmington District

## John H. Kerr Dam and Reservoir, VA & NC (O&M)

### FY 2022 Planned Actions:

- Operation and maintenance of dam for flood risk management and hydropower facility
- Operation and maintenance of recreation facilities plus environmental stewardship of Federal property



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CONGRESSIONAL DISTRICT: NC 1 and VA 5

DATE: 01 APRIL 2022

1. **AUTHORIZATION:** Flood Control Act of 1944 (PL 78-534).
2. **LOCATION AND DESCRIPTION:** The project is located on the Roanoke River, 178.7 river miles above its mouth, in Mecklenburg County, Virginia, and 18 miles upstream of the North Carolina and Virginia line. The dam is located in Mecklenburg County, VA. The reservoir extends upstream on the Roanoke River for 56 miles and on the Dan River for 34 miles. The project consists of a concrete gravity dam with wing and saddle dikes on the right and left banks, with a total length of 22,285 feet. The reservoir is operated as a unit of a coordinated system of reservoirs in the Roanoke River basin for flood risk management, generation of hydroelectric power, regulation of low water flow, and for other purposes. Hydropower installed capacity is 268 megawatts.
3. **FEDERAL FUNDING ALLOCATION FOR FY 2021:** \$9,111,600
4. **FY 2022 PRESIDENT'S BUDGET:** \$12,131,000. Final Bill: \$12,131,000. Funds are being used for commonly performed O&M work. Funds are also being used for specific work activities including Cultural Resources Survey and plan update (\$225,000), Replace North Bend Park Sewer Lines (\$600,000), Island Creek Bridge Inspection (\$22,000), Conduct Dam Safety Survey, tabletop exercise and Emergency Action Plan re-write (\$67,000), replace Security Pole Lights (\$85,000) and Vehicle Bridge Inspection (\$33,000). Infrastructure Investment and Jobs Act funds in the amount of \$11,525,000 are being used for Repairs to the Right-Wing Dike Toe Drain (\$8,500,000), Replacement of Dam Instrumentation (\$375,000), Water and Wastewater

PROJECT INFORMATION – John H. Kerr Dam and Reservoir, VA and NC (O&M) – Continued

System Upgrades (\$1,000,000), Bridge and Girders Refurbishment (\$1,250,000), and Bridge Approach Roadway Resurfacing (\$400,000).

5. **FY 2022 WORK PLAN:** TBD.

6. **FY 2023 PRESIDENT’S BUDGET:** \$12,043,000. Funds in the amount of \$12,043,000 will be used for normal operations and maintenance of the project. Infrastructure Investment and Jobs Act funds in the amount of \$9,500,000 will be used for construction of Island Creek pump station electrical substation with redundant transformers (\$7,500,000) and design and construction of erosion control for upstream toe of Island Creek Dam (\$2,000,000). Additional funds in the amount of \$3,685,000 could be used as follows:

Perform Analysis Recommendations	\$65,000
Maintenance of Public Park Pavement - Buffalo Park	\$270,000
Maintenance of Public Park Pavement - Longwood Park	\$300,000
Dam Safety - Pressure grout longitudinal cracks on right training wall	\$80,000
Dam Safety - Inspect and flush toe drain system, grout tops of walls. replace staff gauge	\$25,000
Dam Safety - Clear the trees and brushy vegetation on the downstream right abutment	\$275,000
Dam Safety - Replace Piezometers	\$170,000
Core Drilling For Storm Water Drains	\$750,000
Refurbishing Bridge and Girders	\$1,750,000
<b>Total</b>	<b>\$3,685,000</b>

7. **OTHER INFORMATION:** None.