



US Army Corps
of Engineers
Wilmington District

Philpott Lake, VA (O&M)

FY 2020 Planned Actions:

- Operations and maintenance of dam and hydropower facility for flood risk management
- Operations and maintenance of recreation facilities
- Operations of the facilities for environmental stewardship



CONGRESSIONAL DISTRICT: VA 5, 9

DATE: 25 March 2019

1. **AUTHORIZATION:** Flood Control Act of 1944 (PL 78-534).
2. **LOCATION AND DESCRIPTION:** The project is located on the Smith River, Virginia, 44.3 miles above its junction with Dan River, and 35 miles upstream from the Virginia-North Carolina state line in Franklin and Henry Counties. The authorized project includes for a concrete gravity dam 892 feet long and with a maximum height of 220 feet. Philpott Lake is operated as a unit of a coordinated reservoir system for flood risk management in the Roanoke River basin, generation of hydroelectric power, regulation of river flow, and public recreation. The powerhouse has a total installed capacity of 14,000 kilowatts.
3. **FY 2018 FUNDING ALLOCATION:** \$4,871,000.
4. **FY 2019 FUNDING ALLOCATION:** \$5,520,000. These funds are being used to continue operation and maintenance requirements for flood damage reduction, hydropower, recreation and environmental stewardship. Specific work items include (\$50,000) to complete the Hydraulic Steel Structures inspection.
5. **FY 2020 BUDGET AMOUNT:** \$5,504,000. Funds in the amount of \$5,504,000 will be used for normal operations and maintenance of the project. Funds in the amount of \$2,650,000 could be used as follows:

PROJECT INFORMATION – Philpott Lake, VA (O&M) – Continued

• Design and install replacement spillway anchors	\$ 1,250,000
• Update Master Plan	\$ 450,000
• Pursue addressing recommendations from the HDR report	\$ 400,000
• Maintenance of Park Pavement Salthouse Br. Park	\$ 200,000
• Maintenance of Park Pavement Horseshoe Point Park	\$ 150,000
• Water Supply Reallocation	\$ 200,000
Total	\$ 2,650,000

6. **OTHER INFORMATION:** In November of 2012, the dam’s rating on the Dam Safety Action Classification System (DSAC) was reclassified from a DSAC IV (dams are inadequate with low risk such that the combination of life, economic, or environmental consequences with a probability of failure is low and the dam may not meet all essential USACE engineering guidelines) to a DSAC III (dams that have issues where the dam is significantly inadequate or the combination of life, economic, or environmental consequences with probability of failure is moderate to high).

Backlog maintenance has been a serious issue for a considerable amount of time due to previous funding shortfalls. Many of the recreation facilities need to be repaired/upgraded to ensure public safety and to meet the current regulations especially in regards to the Americans with Disabilities Act (ADA). Much of the support equipment used on a routine basis is reaching the end of its life cycle which is requiring a considerable amount of attention. The funding of these activities would help reduce operation and maintenance costs in the future as well making recreation areas a more safe and enjoyable environment for the visiting public.

In FY2018 \$18,500,000 of non-Federal funding was provided by the Southeastern Power Administration for Turbine Upgrade and rewind of the project generators. The design work is scheduled to be completed in 2019 and the equipment installation is scheduled to be completed in 2023.

The Henry County Public Service Authority (HCPSA) has expressed an interest in possible changes to the current water control agreement with the Corps. The Corps will continue to work with the HCPSA to determine if the options being considered are within policy and implementable. Refer to the “Philpott Lake, VA- Henry County Water Withdrawal Agreement” fact sheet for more information.