

**FACT SHEET
OPERATION AND MAINTENANCE**

PROJECT NAME AND STATE: Richard B. Russell Dam and Lake, GA

AUTHORIZATION: Flood Control Act of 1966; Water Resources Development Act of 1986

SUMMARIZED FINANCIAL DATA

	<u>O&M</u>
Allocation for FY 2016	\$7,984,350
Allocation for FY 2017	\$8,185,574
Allocation for FY 2018	\$8,912,220
Allocation for FY 2019	\$9,584,190

LOCATION AND DESCRIPTION: Richard B. Russell Dam and Lake, completed in 1985, is located on the Savannah River, near Calhoun Falls, SC. The project provides hydropower, flood risk management, recreation, fish and wildlife management, water quality and water supply benefits. The project's 24,390 acres of land, 26,650 acres of water and 540 miles of shoreline are situated in four counties and two states: Georgia and South Carolina. Richard B. Russell is a Public Law 89-72 project therefore the Georgia Department of Natural Resources and South Carolina Parks, Recreation and Tourism operate and maintain the majority of the recreation areas under cost share and lease agreements.

ACTIVITIES FOR FY2018: Performed routine hydropower operations and maintenance on 8 generating units, 4 with pump storage capability, and two oxygenation systems. Completed switchyard gravel replacement and initiated the Civil Works Land Data Migration effort. Funded required mitigation payments to the states of Georgia and South Carolina.

ACTIVITIES FOR FY2019: FY 2019 funds are being used for routine O&M for the multi-purpose project with power. Funds will also be used by the USACE Hydropower Design Center to produce E&D specifications for contracts to repair and upgrade the power plant bridge crane and the gantry crane.

ISSUES AND OTHER INFORMATION: Russell Project is in need of a replacement of its 480 VAC switchgear estimated at \$2.5M. This work will greatly increase safety in the powerplant by significantly reducing arc flash electrical hazards while also increasing the reliability of power production. Richard B. Russell is one of only two major hydropower projects in the Corps of Engineers with pump-back capabilities and has extensive environmental features adding to operational and maintenance requirements. Two oxygenation systems are required allowing the plant to operate all pump-back units. The Richard B. Russell Power Plant produced 737,698 megawatt hours in FY 2017 and returned \$36,620,000 to the United States Treasury. The project averaged 548,000 visitors FY15-FY17 with associated visitor spending of \$17,887,000 within 30 miles of the project, supporting 195 jobs. The project supplied 3 communities with water. The project prevented an estimated \$37,352,000 in cumulative flood damages from 1985 to 2017.

ADMINISTRATION POSITION: Project is consistent with current Administration policy.

ACTION OFFICER: Spencer Davis
CESAS/912-652-5195

11 April 2019