



Department of Energy

Washington, DC 20585

October 8, 2025

NOTICE OF FLOODPLAIN ACTION

for

Georgia Power Company, Arkwright-South Macon (Black) Transmission Line Rebuild Project
Bibb and Jones Counties, Georgia

The Department of Energy (DOE), Loan Programs Office, is issuing this notice of floodplain action for Georgia Power Company's Arkwright-South Macon (Black) Transmission Line Rebuild Project (Project) in Bibb and Jones Counties, Georgia.

Georgia Power Company has applied for Federal financial assistance for the Project. DOE has determined that the potential Federal financial assistance for the Project is a floodplain action; therefore, the requirements of 10 Code of Federal Regulations (CFR) 1022 apply.

Pursuant to 10 CFR Part 1022, a 15-day public comment period for this proposed floodplain action commences with publication of this notice and will conclude on October 23, 2025. At the end of the public comment period, DOE will consider all substantive comments received and prepare a floodplain statement of findings.

The floodplain assessment is attached to this notice.

To submit comments, please email LPO_environmental@hq.doe.gov. Please include "**GPC: Arkwright-South Macon**" in the subject line. Comments must be received by October 23, 2025.

FLOODPLAIN ASSESSMENT

for

Georgia Power Company, Arkwright-South Macon (Black) Transmission Line Rebuild Project

Bibb and Jones Counties, Georgia

October 8, 2025

Introduction

Approximately 65.6 acres of the Arkwright-South Macon (Black) Transmission Line Rebuild Project (Project) is located in a regulatory floodway, designated as a Special Flood Hazard Area (Zone AE) in Bibb and Jones Counties, Georgia (Figure 1). Approximately 7.6 acres is within Zone A. The Project, a transmission line rebuild, is not considered to be a critical action, as defined at 10 CFR 1022.4. This memo describes the U.S. Department of Energy's (DOE) assessment of floodplains pursuant to 10 CFR 1022.

Floodplain Assessment

As defined at 10 CFR 1022.4, *Floodplain action* means any DOE action that takes place in a floodplain, including any DOE action in a wetland that is also within the floodplain. DOE has determined that the Project is a floodplain action.

Project Description

The Project consists of rebuilding 11.8 miles of the existing Arkwright-South Macon (Black) transmission line. The rebuild includes replacement of the existing conductors with higher capacity conductors and all existing structures (81) with new structures capable of supporting the new conductors. Of the 81 structures to be replaced, 29 will be within the 100-year floodplain, 17 of which are in the regulatory floodway. The Project's right-of way (ROW) width generally varies between 40 to 200 meters (131.2 to 656.2 feet) wide along the length of the 11.8-mile-long route, with some narrow portions measuring between 5 to 35 meters (16.4 to 147.6 feet) wide.

No new right-of-way clearing or tree cutting is needed for the rebuild. There are approximately 65.6 acres of right of way in the Zone AE floodplain area, and 7.6 acres in Zone A, totaling 73.2 acres of the 100-year floodplain along the project route.

Construction will occur in two phases: Phase 1 (structures 15 to 35) is scheduled to begin in February 2026 and would be completed in June 2026; Phase 2 (structures 35A to 83) is scheduled to begin in October 2026 and end in February 2027. The new structures (poles) and conductors are anticipated to be in service for at least 40 years.

Alternatives

The alternatives before DOE include: (1) to provide Federal financial assistance for the Project; or (2) not provide Federal financial assistance for the Project. No siting alternatives were considered by DOE.

Proposed Statement of Findings

The existing Project structures in the floodplain will be replaced with new structures and foundations in the same location. New structure placement will meet local and federal floodplain management requirements. The new structures will be designed to not affect base flood elevations. Work areas will be temporary and will not require modifications to site elevations. Temporary erosion controls will be installed and maintained until the work areas are restored and stabilized. Base flood elevations will not be affected by the Project.

Attachments

Figure 1 Arkwright-South Macon (Black) 115kV Transmission Line Rebuild, 100-year floodplain crossings

