

June 29, 2021

**VIA ELECTRONIC FILING**

Project No. 2628-065  
R.L. Harris Hydroelectric Project  
Transmittal of Modeling Files

Ms. Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.  
Washington, DC 20426

Dear Secretary Bose,

Alabama Power Company (Alabama Power) is the Federal Energy Regulatory Commission (FERC or Commission) licensee for the R.L. Harris Hydroelectric Project (Harris Project) (FERC No. 2628-065). On April 12, 2021, pursuant to the Commission's Integrated Licensing Process (ILP) and 18 CFR § 5.15(f), Alabama Power filed the Harris Project Updated Study Report (USR)<sup>1</sup>. On June 9, 2021, FERC staff filed comments on the USR and USR Meeting Summary<sup>2</sup>. In Attachment A, item 1 of the June 29, 2021 filing, FERC requested that Alabama Power file the models, including the methodologies, inputs and outputs, assumptions, and summary reports that were developed during Phase 1 of the Operating Curve Change Feasibility Analysis and Downstream Release Alternatives Study. FERC also requested all other non-proprietary models developed in support of the Harris Project relicensing studies. As such, Alabama Power is providing the Hydrologic Engineering Center's Reservoir Simulation (HEC-ResSim) and the HEC-River Analysis System (HEC-RAS) models developed for the Operating Curve Feasibility Analysis and Downstream Release Alternatives Study. Further, Alabama Power is making available the Environmental Fluid Dynamics Code (EFDC) model developed for Phase 2 of the Operating Curve Feasibility Analysis.

Due to the file sizes associated with the HEC-RAS, HEC-ResSim, and EFDC models, Alabama Power is unable to file these models on FERC's eLibrary. HEC-ResSim and HEC-RAS will be filed with FERC via FERC's external SharePoint site, which is not publicly available. However, due to the size of the EFDC model (over 100 GB in zipped format), Alabama Power cannot provide this model via a website and will need to provide it to FERC on a flash drive via U.S. Postal Service.

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<sup>1</sup> Accession No. 20210412-5737

<sup>2</sup> Accession No. 20210609-3045

Stakeholders may request a copy of the three models by e-mailing [harrisrelicensing@southernco.com](mailto:harrisrelicensing@southernco.com) and the models will be provided on a flash drive via U.S Postal Service. All files contain instructions on unzipping the model files. All other methodologies, inputs and outputs, and assumptions are contained in the *Final Downstream Release Alternatives Phase 1 Study Report*<sup>3</sup>, *Final Operating Curve Change Feasibility Analysis Phase 1 Study Report*<sup>4</sup>, *Draft Downstream Release Alternatives Phase 2 Study Report*<sup>5</sup>, and *Draft Operating Curve Change Feasibility Analysis Phase 2 Study Report*<sup>6</sup>.

If there are any questions concerning this filing, please contact me at [arsegars@southernco.com](mailto:arsegars@southernco.com) or 205-257-2251.

Sincerely,



Angie Anderegg  
Harris Relicensing Project Manager

cc: Harris Action Team 1 Stakeholder List

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<sup>3</sup> Accession No. 20200727-5088

<sup>4</sup> Accession No. 20200831-5339

<sup>5</sup> Accession No. 20210412-5748

<sup>6</sup> Accession No. 20210412-5750