



Evaluation | Analysis | Assistance | Operating Experience

March 24, 2020

Via Electronic Filing

Secretary of the Commission
Federal Energy Regulatory Commission
FERC Form No. 715
888 First Street, N.E., Room 1-A
Washington, DC 20426

RE: ANNUAL TRANSMISSION PLANNING AND EVALUATION REPORT (FERC-715)

Dear Secretary Bose:

Pursuant to Sections 213(b), 307(a) and 311 of the Federal Power Act, enclosed please find the 2020 FERC Form 715 filing from SERC Reliability Corporation (SERC) as a designated agent on behalf of its members. SERC is a FERC-approved Regional Entity that has been authorized by its members (see enclosure) to submit on their behalf the most current information for Parts 2, 5 and 6 of the Commission's annual FERC Form 715 request.

Request for Confidential Treatment

SERC is submitting this information on March 20, 2020 and requests the data contained in parts 2 and 6 of this filing be treated as Confidential and Critical Energy/Electric Infrastructure Information (CEII) and part 5 be treated as Confidential Information. SERC requests the designation apply to the included information for five years. The requested duration is appropriate as information in and certain attachments to the filing include Confidential CEII as defined by the Commission's regulations at 18 C.F.R. Part 388 and orders, as well as other Confidential Information as defined in the NERC Rules of Procedure. Protecting this information is necessary to ensure the safety and security of the bulk power system. This filing includes non-public data related to regional power flow studies, base case power flow data, transmission planning assessment practices, detailed evaluation of anticipated system performance, and other Confidential Information inextricably intertwined with CEII.

For information related to this filing, please use the following contact information:

SERC Reliability Corporation
3701 Arco Corporate Drive
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Charlotte, NC 28273

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Part 2: Power Flow Base Cases:

The following cases are available and are hereby filed electronically with FERC:

2019 ERAG/ MMWG Series Base Cases
2020 Spring Light Load
2020 Summer Peak
2020/21 Winter Peak
2021 Spring Light Load
2021 Summer Peak
2021/22 Winter Peak
2024 Spring Light Load
2024 Summer Peak
2024 Summer Shoulder
2024/25 Winter Peak
2029 Summer Peak
2029/30 Winter Peak

SERC Long-Term Study Group (LTSG) Base Cases
2020 Spring
2020 Fall
2021 Spring

This electronic filing contains the following information: Input data in Siemens Power Technologies International (PTI) PSS/E® Raw Data File (.RAW) format; corresponding output data files in American Standard Code for Information Interchange (ASCII) format showing solved real and reactive power flows and other relevant output information; and a SERC Data Dictionary that cross-references bus names.

Areas outside SERC contain representations not intended for study of the transmission systems in those areas. In addition, some future transmission and generation facilities in these cases are for planning purposes only and have not been authorized for the individual systems. The cases provided are not detailed models of individual systems and may not be appropriate for individual system studies.

Part 5: Transmission Planning Assessment Practices:

The first two documents listed below are the SERC Technical Procedural Documents for the Long-Term Working Group and Near-Term Working Group respectively. The third document listed below represents the Multi-regional Modeling Working Group Procedural Manual, which was also referenced during the model building process. The listed versions of these documents (Adobe Portable Document Format, .PDF) are included in the present filing. Individual SERC members also may reference these documents in their filings under this Part 5.

1. SERC Long-Term Working Group (LTWG) Technical Procedural Document
2. SERC Near-Term Working Group (NTWG) Technical Procedural Document
3. Multiregional Modeling Working Group (MMWG) Procedural Manual v21

Part 6: Evaluation of Transmission System Performance:

The following documents (reports) are hereby filed electronically (Adobe Portable Document Format, .PDF) with FERC. These reports may be referenced by the individual systems in their filings under this Part 6.

1. SERC Engineering Committee NTWG 2019 Summer Reliability Study of Projected Operating Conditions (June 2019)
2. SERC Engineering Committee NTWG 2019/2020 Winter Reliability Study of Projected Operating Conditions (December 2019)
3. SERC Engineering Committee LTWG 2024 Summer Future Year Study (December 2019)

The remainder of the Form No. 715 Parts for the member companies of SERC will be filed by representatives of the respective SERC member companies.

Respectfully submitted,

Melinda Montgomery

Melinda Montgomery
Director, Advanced Analytics & Technical Services

Enclosures:

NCR ID# Applicable SERC Entities (TO, TOP) that have authorized SERC to submit on their behalf the most current information for Parts 2, 5, and 6 of the Commission's annual FERC Form 715 request.

NCR01175 Ameren Services Company
NCR01177 Associated Electric Cooperative, Inc.
NCR01180 Big Rivers Electric Corporation
NCR01196 City of Columbia, MO
NCR01328 City of Springfield, IL – CWLP
NCR01315 Cooperative Energy
NCR01169 Cube Hydro Carolinas, LLC
NCR00915 Dominion Energy South Carolina, Inc.
NCR01219 Duke Energy Carolinas
NCR01298 Duke Energy Progress, LLC
NCR11399 Electric Energy, Inc.
NCR01249 Georgia Transmission Corporation
NCR01252 Gulf Power Company
NCR01223 LG&E and KU Services Company as agent for LG&E and KU Energy LLC
NCR01278 Municipal Electric Authority of Georgia
NCR01290 Owensboro, KY Municipal Utilities
NCR10203 PowerSouth Energy Cooperative
NCR01312 South Carolina Public Service Authority
NCR01320 Southern Company Services, Inc. - Trans
NCR01321 Southern Illinois Power Cooperative
NCR01151 Tennessee Valley Authority

cc: (transmittal letter only via email)
Rick Foster, Ameren Services Company
Jason Genovese, Ameren Services Company
Eugene Warnecke, Ameren Services Company
Justin Davies, Ameren Services Company
James Gott, Associated Electric Cooperative, Inc.
Jared Yust, Associated Electric Cooperative, Inc.

Bryan Garst, Big Rivers Electric Corporation
Chris Bradley, Big Rivers Electric Corporation
Armin Karabegovic, City of Columbia, MO
Brian Bell, City of Springfield, IL
Bret Hariel, Cooperative Energy
Mike Mears, Cube Hydro Carolinas, LLC
Khalid Osman, Cube Hydro Carolinas, LLC
Amy Kohntopp, Cube Hydro Carolinas, LLC
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Weijian Cong, South Carolina Public Service Authority
Gwen Frazier, Southern Company Services, Inc.
Jeff Jones, Southern Illinois Power Cooperative
C. Mark Ethridge, Tennessee Valley Authority
Armando Rodriguez, Tennessee Valley Authority
Rebecca Poulsen, SERC Reliability Corporation