Response of: Entergy Services, Inc.
to the First Set of Data Requests
of Requesting Party: Cooperative Energy

Filed: 08/25/17

Question No.: CE 1-29 Part No.: Addendum:

The following questions pertain to the spreadsheet file "EMI_FERC_Att_O_2016TY_2017-06-07" and EMI's 2016 FERC Form 1:

Question:

In reference to the worksheet entitled WP05 CapAds, please provide a description of the major capital addition projects (those that exceed $5 million) that are included in the projected $184,068,186 of capital additions.

Response:

Project Name: South Vicksburg to Port Gibson
Project Description:

This project entails rebuilding the existing 115kV line between South Vicksburg-Port Gibson to obtain a rating of 1304A (260MVA).

Project Name: Baxter Wilson to Pt Gibson NewLine
Project Description:

This project entails building a new 115kV Transmission line from Baxter Wilson to Port Gibson as part of the SW Mississippi Improvement project.

Project Name: Ray Braswell to Bolton/ Vicksburg 115kV Improvements
Project Description:

This project entails building a 115kV switching station site at the intersection of the E.Vicksburg-Edwards and SE Vicksburg-Bovina 115kV lines, which includes the following project elements:

- Upgrade the bus work at Bovina 115kV to a minimum 810A.
- Rebuild the SE Vicksburg-new switching station site ~3.13 miles with double bundle 954ACSR for reduced impedance. Ensure that all

substation equipment is rated >2000A.

- Rebuild the E. Vicksurg-new switching station site ~1.11 miles with 1272ACSR. Ensure that all through path station equipment is rated >1304A.

- Rebuild the Edwards-new switching station site, Edwards-Bolton and Bolton-Ray Braswell 115kV lines (total ~28.3 miles) with 1272ACSS to achieve a 390MVA rating (1958A). Ensure that all through path station equipment at the new substation, Edwards, Bolton and Ray Braswell is upgraded to > 1958A.

- Construct a new 4 terminal 115kV switching station at the intersection of the E. Vicksburg-Edwards and SE Vicksburg-Bovina 115kV lines.

Project Name: Beech Grove to Edwards Rebuild
Project Description:

This project relates to the rebuild of the line segment from the new Beech Grove Substation to Edwards as part of the Vicksburg 115kV Improvements project.

Project Name: New Beech Grove Substation
Project Description:

This project will build new Beech Grove 115kV Switching Station as part of the Vicksburg 115kV Improvements project.

Project Name: Transmission Lines Program Blanket
Project Description:

This funding project blanket entails transmission equipment repairs and replacements identified during inspections and reliability analysis to maintain the reliability and quality of transmission service .

Project Name: Franklin to McComb: Build new
Project Description:

This project entails constructing a new line from Franklin-McComb with a rating of at least 398MVA (double-bundled 954ACSR for reduced impedance) to maintain compliance with NERC transmission planning standards and transmission system reliability. The line is planned to meet 230kV specifications, but will be initially operated at 115kV.

Project Name: Southwest MS Improvement

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Project Description:

This project entails constructing an estimated 65 miles (existing Baxter Wilson-Natchez SES line length) between Natchez SES-Baxter Wilson. The line is planned to meet 230kV specifications at a rating of 1304A (260MVA) but will operate initially at 115kV at . In addition the project will entail rebuilding the existing 115kV between Baxter Wilson and Natchez SES (Baxter Wilson-S Vicksburg, S Vicksburg-Port Gibson, Port Gibson-Lorman, Lorman-Fayette, and Fayette-Natchez SES) to obtain a rating of 1304A (260MVA).

Project Name: EMRIP-Ph1_Pelhtch - Mortn Upg
Project Description:

This project entails rebuilding a 6.07 mile section of Pelahatchie to Morton 115 kV to achieve at least a 260 MVA through rating to maintain compliance with NERC Reliability Standard TPL-001-4 and Entergy Local Planning Criteria.