

utility service area of the Company in Desoto County, Mississippi. As grounds for this Petition, Entergy Mississippi would show the Commission the following:

1. The Proposed Electrical Facilities are needed to enhance the electrical supply and service reliability for existing commercial and residential customers in DeSoto County, Mississippi, and to serve existing and expected load growth along the Getwell Road corridor in Southaven. In recent years, the Southaven area of Desoto County in EML's service territory has experienced residential and commercial growth that has resulted in increased demand for electric service in that area. As expected, the completion of I-69 through DeSoto County has led to further residential and commercial development, and with it, the demand for electrical service in that area. EML anticipates an increasing need for electrical supply in the Southaven area that would be served by the Proposed Electrical Facilities, including the development of a large-scale commercial and residential development in the east Southaven area. To accommodate this existing and projected load growth, Entergy Mississippi is proposing to build the Proposed Electrical Facilities, which are expected to provide greater operational flexibility and increased reliability for the distribution facilities in Desoto County and to reduce the likelihood of customer interruptions during unplanned outage events.

2. The Proposed Electrical Facilities are needed for Entergy Mississippi to continue to meet its obligation to provide safe, reliable, and reasonably priced electric service to its customers in this fast-growing area of DeSoto County. Without the construction of the Proposed Electrical Facilities, increased electrical demand resulting from expected load growth in the east Southaven area along the Getwell Road corridor could result in overloads and voltage collapse on the circuits serving almost 4,500 residential customers in the area, which would adversely affect reliability for those customers.

3. The Proposed Electrical Facilities will provide load serving capability to help facilitate further development of residential, commercial, or industrial growth that is anticipated in the Southaven area. Specifically, the Proposed Electrical Facilities will provide additional capacity to serve Getwell Road corridor and eliminate the existing load at risk for customers in that area. In addition, the Proposed Electrical Facilities are expected to provide additional capacity for future load growth along the Getwell Road corridor, thus improving the overall reliability for customers in the area. The Proposed Electrical Facilities were identified as a solution to the identified potential transmission system limitations in the Midcontinent Independent System Operator, Inc. ("MISO") Transmission Expansion Plan ("MTEP"). The Proposed Electrical Facilities were included in Appendix 'A' of MTEP 18 and subsequently approved by the MISO Board of Directors in December 2018.

4. After careful review and an alternative route analysis that included an environmental assessment, routes were designed to have minimal impact on the community and environment while balancing costs to customers.

5. The Company is requesting that the Commission grant Entergy Mississippi a CCN to acquire, construct, expand, own, operate, and maintain the Proposed Electrical Facilities, including the following:

- Constructing a new 115/13.8 kV Substation along the Getwell Road corridor;
- Installing two 115 kV breakers;
- Installing two 40 mega volt-ampere ("MVA") 115/13.8 kV transformers;
- Installing two 13.8 kV main breakers;
- Installing eight 13.8 kV feeder breakers;
- Installing one 13.8 kV bus-tie breaker;

- Constructing approximately 1.72 miles of new 115 kV transmission lines in new shared right-of-way (“ROW”) 120 feet wide to cut into EML’s existing Greenbrook-Plum Point 115 kV line;
- Establishing fiber communications to the Proposed Snowden Park Substation;
- Installing approximately 2.14 miles of fiber from Plum Point 115 kV substation to cut-in location and approximately 1.0 miles of fiber from Greenbrook 115 kV substation to the cut-in location;
- Constructing five new distribution feeders totaling approximately 7.7 miles of new overhead and underground distribution;
- Rebuilding approximately 3.8 miles of existing distribution line; and
- Installing new field ties, load transfer equipment and distribution capacitor banks.

6. Attached hereto as ATTACHMENT A and made a part hereof is the Direct Testimony of Christopher A. Cooper, Manager of Distribution Asset Planning for Entergy Services, LLC¹ (“ESL”), describing the need for the Proposed Electrical Facilities, and how the Proposed Electrical Facilities were selected as the best solution to enhance reliability and support increasing load growth in the Southaven area of DeSoto County, Mississippi. Attached hereto as ATTACHMENT B and made a part hereof is the Direct Testimony of J. Christopher Jones, Senior Project Manager of Project Management and Construction for Entergy Services, LLC, describing the cost of the Proposed Electrical Facilities and providing an overview of the management of the project. Attached hereto as ATTACHMENT C and made a part hereof is the Direct Testimony of

¹ ESL is the service company of the Entergy Operating Companies that provides engineering, planning, accounting, legal, technical, regulatory, and other administrative support services to each of the Entergy Operating Companies. The Entergy Operating Companies are Entergy Mississippi, Entergy Texas, Inc., Entergy Louisiana, LLC, Entergy Arkansas, LLC, and Entergy New Orleans, LLC.

Anastacia Santos, Project Manager with POWER Engineers, Inc. (“POWER”)², describing the methodology and selection of the preferred and alternative transmission line routes, the environmental effects of the Proposed Electrical Facilities, and the results of the environmental analyses of the project. POWER prepared the *Snowden Park 115 kV Transmission Line-Environmental Assessment and Alternative Route Analysis* (the “Alternative Route Analysis”) for the Proposed Electrical Facilities. The Alternative Route Analysis is attached to the Direct Testimony of Ms. Anastacia Santos as EXHIBIT AS-2.

7. The total cost of the Proposed Electrical Facilities is estimated to be \$37 million, as set out in confidential EXHIBIT JCJ-5³ to the Direct Testimony of J. Christopher Jones. Subject to the receipt of necessary permits and required approvals, the Proposed Electrical Facilities are currently planned with an in-service date of June 2023.

8. New right-of way of approximately 120 feet in width will be required for the approximately 0.86 miles of proposed new transmission line.

9. All labor, materials, property, and services to be rendered for the Proposed Electrical Facilities will be supplied at competitive and reasonable prices.

10. There are presently on file with this Commission the financial statements of the Company that establish that the Company is financially able to complete the construction described and set out in this Petition.

11. The Company is an electric public utility as defined in Miss. Code Ann. § 77-3-3(d)(i).

² POWER is a consulting firm that provides engineering, planning, environmental, and program management services.

³ EXHIBIT JCJ-5 contains confidential commercial and financial information protectable from disclosure under Mississippi law and MPSC Procedural Rule RP 6.109 and is being provided to the Mississippi Public Service Commission and/or Mississippi Public Utilities Staff confidentially under MPSC Procedural Rules RP 4.100.3 and RP 4.101.3.

12. Pursuant to the requirements of Appendix "A," Schedule 3, of the Procedural Rules, the Company attaches, incorporates by reference, or seeks particularly specified Commission disposition with respect to the following items:

- a. **(Appendix "A," Schedule 3, Item 1 – If the utility has made any revisions to its corporate charter or its articles of incorporation since receiving its initial authority to operate, provide a copy of said revisions. If a partnership, provide a copy of any revision to the original partnership agreement. If there have been no changes, provide the docket number of the proceeding in which the company received its initial authority to operate.)** A copy is on file in Commission Docket 2018-UA-267 and incorporated by reference herein.
- b. **(Appendix "A," Schedule 3, Item 2 – If a corporation, the names and addresses of its board of directors, officers and any person owning fifteen percent (15%) or more of its stock. If not a corporation, the names and addresses of all owners or partners.)** A copy of the names and addresses of its boards of directors, officers and any person owning fifteen percent (15%) or more of its stock is on file in Commission Docket 2018-UA-267 and incorporated by reference herein.
- c. **(Appendix "A," Schedule 3, Item 3 – An outline map of the utility's existing certificated area showing the location of the proposed new facilities.)** See EXHIBIT JCJ-1 to the Direct Testimony of J. Christopher Jones.
- d. **(Appendix "A," Schedule 3, Item 4 – A detailed description of the facilities proposed.)** See paragraph 5 above and the Direct Testimony of J. Christopher Jones, ATTACHMENT B.

- e. **(Appendix “A,” Schedule 3, Item 5 – A copy of any required approvals from the Health or Environmental Quality authorities.)** Any required approvals have not yet been received.
- f. **(Appendix “A,” Schedule 3, Item 6 – An estimate of the cost to the utility and all sources of funding for the project.)** See paragraph 7 above and the Direct Testimony of J. Christopher Jones, ATTACHMENT B. The cost of the Proposed Electrical Facilities is expected to be funded out of internally generated funds and other available cash resources. The Proposed Electrical Facilities will be part of those Company facilities necessary and useful to the Company’s electric utility operations.
- g. **(Appendix “A,” Schedule 3, Item 7 – A complete set of engineering plans and specifications.)** See paragraph 13 below. General design details for the Proposed Electrical Facilities are attached to the Direct Testimony of J. Christopher Jones as confidential EXHIBIT JCJ-2⁴ and EXHIBIT JCJ-3.
- h. **(Appendix “A,” Schedule 3, Item 8 – An estimate of the impact of the cost of facilities upon rate base and rates. This item shall not apply to public utilities excluded from rate regulation pursuant to Miss. Code Ann. § 77-3-1 or § 77-3-5 or to public utilities heretofore or hereafter exempt by Commission order from rate base regulation or to public utilities whose rates are allowed, by Commission order, to be filed for informational purposes only.)** The costs of the Proposed Electrical Facilities will be reflected in the Company’s rates through the operation of

⁴ EXHIBIT JCJ-2 contains Critical Energy Infrastructure Information (“CEII”) protectable from disclosure under Mississippi law and MPSC Procedural Rule RP 6.109 and are being provided to the Mississippi Public Service Commission and/or Mississippi Public Utilities Staff confidentially under MPSC Procedural Rules RP 4.100.3 and RP 4.101.3.

Entergy Mississippi's Formula Rate Plan and through Commission order. However, the Company currently estimates that the revenue requirement associated with the Proposed Electrical Facilities would result in an approximately \$0.32 impact on a monthly bill of a typical residential customer using 1,000 kWh, assuming that the project is timely reflected in a FRP Rate Adjustment.

- i. **(Appendix "A," Schedule 3, Item 9 - An exhibit listing the names and addresses of all interested persons as defined in RP 2.115 of the Commission's Procedural Rules together with a certificate that the filing utility has served a notice of the filing upon each.)** See ATTACHMENT D to this Petition.
- j. **(Appendix "A," Schedule 3, Item 10 – All testimony to be relied upon at hearing.)** Attached hereto as ATTACHMENT A, ATTACHMENT B and ATTACHMENT C.
- k. **(Appendix "A," Schedule 3, Item 11 - A copy of the current balance sheet and income statement.)** See the Company's Evaluation Report under the Formula Rate Plan, incorporated herein by reference.

13. Pursuant to Procedural Rule RP 1.102, the Company hereby moves for and requests a waiver of and permission for deviation from part of the requirements of Appendix "A," Schedule 3, Item 7, of the Procedural Rules to allow the Company not to file with this Petition any required health and environmental approvals or a complete set of plans and specifications for the facilities proposed herein, but rather to make such health and environmental approvals and a complete set of plans available, upon request, to the Mississippi Public Utilities Staff ("Public Utilities Staff") when such plans and specifications are completed and thereby available. Confidential EXHIBIT JCJ-2 and EXHIBIT JCJ-3 to the Direct Testimony of J. Christopher Jones show general design details of the Proposed Electrical Facilities. Requiring health and environmental permits and

complete plans and specifications to be filed with this Petition would be unduly burdensome and impractical since they do not yet exist, and such requirement also would be unnecessary because the health and environmental permits and complete plans and specifications will be available for Public Utilities Staff review when they are completed.

14. To the extent, if any, that this filing does not meet all of the technical requirements of the Commission's rules, the Company hereby respectfully moves and requests, pursuant to RP 1.102, that the noncompliance be waived by the Commission.

15. Subject to the receipt of necessary regulatory approvals, Entergy Mississippi is ready, willing, and able to acquire, construct, expand, own, operate, and maintain the Proposed Electrical Facilities that are the subject of this Petition. The public convenience and necessity require and will require the issuance by the Commission of a Certificate of Public Convenience and Necessity authorizing the acquisition, construction, expansion, ownership, operation, and maintenance of the Proposed Electrical Facilities.

16. Service on Entergy Mississippi in this proceeding should be made to:

Jeremy Vanderloo
Vice President, Regulatory Affairs
Entergy Mississippi, LLC
P.O. Box 1640
M-ELEC-6C
Jackson, Mississippi 39215-1640
Telephone (601) 969-2338
Fax (601) 969-2406
E-Mail: jvandel@entergy.com

Tianna Raby
Alexander C. Martin II
Alicia S. Hall
Entergy Services, LLC
P.O. Box 1640
M-ELEC-6C
Jackson, Mississippi 39215-1640
Telephone (601) 969-4838

Fax (601) 969-2406
E-Mail: traby@entergy.com
amart12@entergy.com
ahall4@entergy.com

WHEREFORE, PREMISES CONSIDERED, Entergy Mississippi prays that the Commission will set this matter for disposition at an early date; and the Company further prays that the Commission grant a waiver of and permission for deviation from any filing requirement referenced in paragraph 13 above, and of any other filing requirement referenced in paragraph 14 above, and that process be issued by this Commission in the manner provided by law and by the Procedural Rules giving reasonable notice of the disposition hereof to all interested and other persons in the Commission's judgment may be necessary, including the time and place of a hearing, if required, and the purpose thereof.

The Company further prays that the Commission shall approve the estimated costs of the Proposed Electrical Facilities and shall grant unto the Company a certificate that the public convenience and necessity require and will require the acquisition, construction, expansion, ownership, operation, and maintenance of the Proposed Electrical Facilities in Desoto County, within the State of Mississippi, and as particularly described, set out, and applied for herein, and shall grant all approvals necessary for the Company to complete the projects described herein.

The Company prays for such other, further, and general relief as may be required, needed or beneficial.

This the 29th day of October 2021.

Respectfully submitted,

ENTERGY MISSISSIPPI, LLC

BY: 

JEREMY VANDERLOO (MSB No. 101678)
VICE PRESIDENT, REGULATORY AFFAIRS
ENTERGY MISSISSIPPI, LLC

Tianna Raby (MSB No. 100256)
Alexander C. Martin II (MSB No. 103634)
Alicia S. Hall (MSB No. 103580)
Entergy Services, LLC
P.O. Box 1640
M-ELEC-6C
Jackson, Mississippi 39215
(601) 969-4838

ATTORNEYS FOR ENTERGY MISSISSIPPI, LLC

STATE OF MISSISSIPPI

COUNTY OF HINDS

Personally appeared before me, the undersigned authority in and for the jurisdiction aforesaid, Jeremy Vanderloo, who after being by me first duly sworn states that he is Vice President, Regulatory Affairs with Entergy Mississippi, LLC, and that as such is fully authorized to make this affidavit; and further states that the matters and things contained in the foregoing Petition for Certificate of Public Convenience and Necessity of Entergy Mississippi, LLC, are true, accurate, and correct as therein set forth to the best of his knowledge, information, and belief.

BY:

Jeremy Vanderloo
JEREMY VANDERLOO (MSB No. 101678)
VICE PRESIDENT, REGULATORY AFFAIRS
ENTERGY MISSISSIPPI, LLC

SWORN TO AND SUBSCRIBED before me, this the 28th day of October 2021.

Debbie M. Hardy
NOTARY PUBLIC

My Commission Expires



RP 6.111 CERTIFICATE OF SERVICE

I, Alexander C. Martin, II, Attorney for Entergy Mississippi, LLC, hereby certify that on this day I have caused to be filed the above and foregoing Petition to:

Katherine Collier
Executive Secretary
Acting General Counsel
Mississippi Public Service Commission
2nd Floor
Woolfolk State Office Building
Jackson, Mississippi 39201

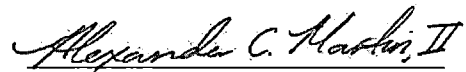
and that on this day I have delivered one (1) copy of the above and foregoing
Petition to:

Sally Doty
Executive Director
Mississippi Public Utilities Staff
3rd Floor
Woolfolk State Office Building
Jackson, Mississippi 39201

Emily Kruger
General Counsel
Mississippi Public Utilities Staff
3rd Floor
Woolfolk State Office Building
Jackson, Mississippi 39201

and that, in the filing of the Petition, I have complied with Rule 6 of the Commission's Public Utilities Rules of Practice and Procedure, in accordance with the Commission's March 12, 2020 Order Temporarily Suspending Rules and Encouraging Use of the Commission's Electronic Filing Systems.

This the 29th day of October 2021.



Alexander C. Martin, II
P.O. Box 1640
M-ELEC-6C
Jackson, Mississippi 39215
(601) 969-2662