

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

|   |   |                        |
|---|---|------------------------|
| In the Matter of the Application of The Empire District | ) |                        |
| Electric Company for Certificates of Convenience and    | ) | Case Nos. EA-2019-0010 |
| Necessity Related to Wind Generation Facilities         | ) | and EA-2019-0118       |

**NOTICE OF FILING**

**COMES NOW** The Empire District Electric Company (“Empire” or “Company”), and for its Notice of Filing, respectfully states as follows to the Missouri Public Service Commission (“Commission”):

1. The Commission issued its Report and Order herein on June 19, 2019, effective June 29, 2019. Ordered paragraph 6f of the Report and Order provides as follows:

Empire shall file a copy of the SPP Definitive Interconnection System Impact Studies within 30 days of receipt. In its subsequent quarterly report, Empire shall address any results of the study that are material changes in assumptions or costs related to the Wind Projects. Empire shall also include a discussion of any sensitivity or curtailment issues raised by SPP in the study. Empire shall also include a proposed plan to address any issues related to those changes in assumptions, costs or curtailment . . .

2. Pursuant to SPP’s Generator Interconnection Procedures (“GIP”), the SPP Definitive Interconnection System Impact Studies (“DISIS”) includes two phases: (1) thermal and voltage analysis; and (2) stability analysis and refresh of thermal and voltage analysis for withdrawn applications. Upon completion of the DISIS, a Facilities Study will then be conducted to provide study-level cost estimates for any new upgrades identified in the study.

3. Empire submitted a Notice of Filing herein on November 5, 2020, providing an Excel workbook issued by SPP on October 29, 2020, and representing DISIS Phase One.

4. On March 8, 2021, SPP provided to Interconnection Customers with requests in DISIS-2017-001 preliminary results from Phase 2 of that DISIS. Those results were given by study group rather than by project and included details such as study group number, constraints, seasons,

facility ratings, and names and description of upgrades, with the Empire wind projects in Group 8 (Neosho Ridge) and Group 12 (Kings Point and North Fork Ridge). SPP indicated that those results were provided for information only and that it was working to post final results on or before April 7, 2021. Those results were submitted herein on March 24, 2021.

5. On April 7, 2021, SPP provided to Interconnection Customers with requests in DISIS-2017-001 results from Phase 2 of that DISIS (attached hereto as Schedules A and B). The Phase 2 April 7 results posting includes updated power flow results that account for corrections to model inputs and project withdrawals. These results include details such as study group number, constraints, seasons, facility ratings, upgrade descriptions, and cost allocations.

6. On April 28, 2021, SPP reposted updated results from Phase 2 of DISIS-2017-01 (attached as Schedules C and D). These updates to the power flow and stability results were prompted by corrections to errors identified during decision point 2. Details about the revisions can be found in the Revision Details tab of the Power Flow workbook. In the same notice, SPP posted an AECI Affected Systems Study of DISIS-2017-01 (attached as Schedule E). Additional SPP study corrections identified in Phase 2 results will be incorporated into the Phase 3 posting, which is currently scheduled to be posted on September 11, 2021.

7. Pursuant to ordered paragraph 6f of the Commission's Report and Order referenced above, Empire will address the following in its quarterly construction report prepared following the issuance by SPP of the complete DISIS: any results of the study that are material changes in assumptions or costs related to the wind projects, any sensitivity or curtailment issues raised by SPP in the study, and a proposed plan to address any issues related to those changes in assumptions, costs, or curtailment.

**WHEREFORE**, Empire submits this Notice of Filing and requests such relief as is just and proper under the circumstances.

Respectfully submitted,

THE EMPIRE DISTRICT ELECTRIC COMPANY

/s/ Diana C. Carter

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**CERTIFICATE OF SERVICE**

I hereby certify that the above document was filed in EFIS on this 7<sup>th</sup> day of May, 2021, with notification of the same being sent to all counsel of record.

/s/ Diana C. Carter