

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

In the Matter of the Application of Union Electric)
Company d/b/a Ameren Missouri for Permission and)
Approval and a Certificate of Public Convenience and) File No. EA-2019-0021
Necessity Authorizing it to Construct a Wind Generation)
Facility.)

STIPULATION AND AGREEMENT

COME NOW Union Electric Company, d/b/a Ameren Missouri ("Ameren Missouri" or the "Company"), the Staff of the Missouri Public Service Commission ("Staff"), Renew Missouri Advocates ("Renew Missouri"), the Missouri Industrial Energy Consumers ("MIEC"), the Missouri Department of Economic Development – Division of Energy ("DE"), and the Natural Resources Defense Council ("NRDC") (collectively, the "Signatories") and submit this Stipulation and Agreement ("Agreement") and respectfully state as follows:

BACKGROUND

1. On October 22, 2018, Ameren Missouri filed its *Application*, which requested a Certificate of Convenience and Necessity ("CCN").
2. Renew Missouri, NRDC, MIEC, the Sierra Club, the Division of Energy, the Missouri Department of Conservation ("MDC"), Atchison County, DeKalb County, the Rockport R-2 School District, and the Tarkio R-1 School District applied for, and were granted, intervention. The Office of the Public Counsel is also a party.
3. After several discussions, the Signatories have reached a Stipulation and Agreement ("Agreement"), as is set forth below.

AGREEMENTS AMONG THE SIGNATORIES

4. The Signatories agree that, on the terms provided for herein, the Missouri Public Service Commission ("Commission") should grant Ameren Missouri's request for a CCN pursuant to

Section 393.170.1 to construct and own a wind generation facility, which includes a gen-tie line, to be constructed in Atchison County Missouri, under the Build Transfer Agreement (“BTA”) with EDF-RE US Development, LLC (the "Project") as set forth in the Company's *Application*. This authority includes permission to acquire any Non-Compliant wind turbine generators, as defined by and according to the terms of the BTA.

5. The Signatories agree the costs of this Project are Renewable Energy Standard compliance costs so long as the facility is certified by DE as a renewable energy resource under 4 CSR 340-8.010.

6. Authority to Merge: The Signatories agree the Commission should grant Ameren Missouri authority to merge the special purpose entity Brickyard Hills Project, LLC into Ameren Missouri with Ameren Missouri to be the surviving entity pursuant to § 393.190.1, as set forth in the Company's *Application*.

7. Conditions: The Signatories agree that the CCN should be granted subject to the following conditions:

A. Plans and Specifications: Ameren Missouri shall file with the Commission quarterly progress reports on the plans and specifications for the Project, and the first report shall be due on the earlier of the first day of the first calendar quarter beginning after the CCN is issued. Ameren Missouri shall also include an update on all permits obtained as part of its quarterly progress reports, and will file complete plans and specifications prior to commencement of construction. Ameren Missouri shall also include documentation regarding transmission and interconnection progress, including supporting documentation of cost increases.

B. Ameren Missouri must receive approval from the Federal Energy Regulatory

Commission pursuant to § 203 of the Federal Power Act.

C. Production Tax Credits (“PTCs”): Ameren Missouri will provide the full grossed-up value of PTCs to customers through the Renewable Energy Standard Rate Adjustment Mechanism or in rates when earned (subject to normal billing lags), without any reduction and without a return on any deferred tax assets, regardless of Ameren Missouri’s tax position (the “PTC Guarantee”). Notwithstanding the foregoing, this PTC Guarantee will not apply to the extent a change in law or a force majeure event results in a tax position for Ameren Missouri that prevents Ameren Missouri from utilizing the PTCs in the year earned. If the PTC Guarantee did not apply in a given year because of the immediately preceding sentence, the Company will provide to customers the grossed-up value of the PTCs that are earned in that year when and to the extent that those PTCs are actually utilized to reduce the Company's tax liability. For purposes of this agreement, a “force majeure event” is defined as an act of God such as an earthquake, tornado, or severe flood, or a war or act of terrorism.

D. Wildlife: Ameren Missouri will provide reasonable advanced notice to MDC of all scheduled meetings and conference calls (related to the Project), if any, with the United States Fish and Wildlife Service (“USFWS”). Ameren Missouri will provide MDC a copy of all documents and/or reports related to the Project, if any, that it provides to the USFWS at the same time as they are provided to the USFWS.

E. Ameren Missouri shall include transmission capital cost and capacity factor sensitivity analyses, including a “worst-case” scenario, with all future CCN applications for wind and solar projects interconnected at the transmission level.

8. In-Service Criteria: The in-service criteria agreed upon in connection with File

No. EA-2018-0202 (attached hereto as Exhibit A) shall apply to the wind facility at issue in this case.

9. Depreciation: The Signatories agree that until such time as a different depreciation rate is approved by the Commission for wind facility investments recorded to FERC Account 344, the currently-approved depreciation rate of 6.81% shall be used. The Signatories further agree until such time as a different net salvage percentage is approved by the Commission, a net salvage percentage of -17% shall be used and tracked on the Company's books. The Signatories agree that the direct testimony of Ameren Missouri supports a life of the wind assets of 30 years. Prior to the in-service date for the Project, Ameren Missouri will provide a depreciation study potentially proposing a new depreciation rate for the wind facility investments recorded to FERC Account 344.

10. Prudence: The Signatories agree that they shall not challenge the prudence of the decision to acquire the facility under the terms of the BTA, including Non-Compliant wind turbine generators under the terms of the BTA, and to merge Brickyard Hills Project, LLC into Ameren Missouri if the acquisition of the facility closes pursuant to the BTA. Nothing in this Stipulation limits the ability of any Signatory or other party from challenging the prudence of the design, construction costs, interconnection costs, and all other project related costs, including costs impacted by construction duration.

GENERAL PROVISIONS OF AGREEMENT

11. This Agreement is being entered into solely for the purpose of settling the issues in this case explicitly set forth above. Unless otherwise explicitly provided herein, none of the Signatories to this Agreement shall be deemed to have approved or acquiesced in any ratemaking or procedural principle, including, without limitation, any cost of service methodology or

determination, depreciation principle or method, method of cost determination or cost allocation or revenue-related methodology.

12. This Agreement is a negotiated settlement. Except as specified herein, the Signatories to this Agreement shall not be prejudiced, bound by, or in any way affected by the terms of this Agreement: (a) in any future proceeding; (b) in any proceeding currently pending under a separate docket; and/or (c) in this proceeding should the Commission decide not to approve this Agreement, or in any way condition its approval of same. This Agreement has resulted from extensive negotiations among the Signatories, and the terms hereof are interdependent. If the Commission has questions for the Signatories' witnesses or Signatories, the Signatories will make available, at any on-the-record session, their witnesses (if any) and attorneys on the issues resolved by this Stipulation, so long as all Signatories have had adequate notice of that session. The Signatories agree to cooperate in presenting this Stipulation to the Commission for approval, and will take no action, direct or indirect, in opposition to the request for approval of this Stipulation.

13. If the Commission does not approve this Agreement unconditionally and without modification, then this Agreement shall be void and no Signatory shall be bound by any of the agreements or provisions hereof.

14. If approved and adopted by the Commission, this Agreement shall constitute a binding agreement among the Signatories. The Signatories shall cooperate in defending the validity and enforceability of this Agreement and the operation of this Agreement according to its terms.

15. If the Commission does not approve this Agreement without condition or modification, and notwithstanding the provision herein that it shall become void, (a) neither this Agreement nor any matters associated with its consideration by the Commission shall be

considered or argued to be a waiver of the rights that any Signatory has for a decision in accordance with RSMo. §536.080 or Article V, Section 18 of the Missouri Constitution, and (b) the Signatories shall retain all procedural and due process rights as fully as though this Agreement had not been presented for approval, and any suggestions, memoranda, testimony, or exhibits that have been offered or received in support of this Agreement shall become privileged as reflecting the substantive content of settlement discussions and shall be stricken from and not be considered as part of the administrative or evidentiary record before the Commission for any purpose whatsoever.

16. If the Commission accepts the specific terms of this Agreement without condition or modification, only as to the settled issues in these cases explicitly set forth above, the Signatories each waive their respective rights to present oral argument and written briefs pursuant to RSMo. §536.080.1, their respective rights to the reading of the transcript by the Commission pursuant to §536.080.2, their respective rights to seek rehearing pursuant to §536.500, and their respective rights to judicial review pursuant to §386.510. This waiver applies only to a Commission order approving this Agreement without condition or modification issued in this proceeding and only to the issues that are resolved hereby. It does not apply to any matters raised in any prior or subsequent Commission proceeding nor any matters not explicitly addressed by this Agreement.

17. This Agreement embodies the entirety of the agreements between the Signatories in this case on the issues addressed herein, and may be modified by the Signatories only by a written amendment executed by all of the Signatories.

18. Contingent upon Commission approval of this Stipulation without modification, the Signatories hereby stipulate to the admission into the evidentiary record of the testimony of

their witnesses.

WHEREFORE, the Signatories request the Missouri Public Service Commission issue an order approving the terms and conditions of this Stipulation and Agreement, including issuance of a CCN for the Project on the terms outlined herein.

Respectfully submitted,

/s/ James B. Lowery

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CERTIFICATE OF SERVICE

The undersigned certifies that true and correct copies of the foregoing have been e-mailed or mailed, via first-class United States Mail, postage pre-paid, to counsel of record this 30th day of January, 2019.

/s/ James B. Lowery

James B. Lowery

EXHIBIT A

Wind Turbine In-Service Criteria

1. For each wind turbine to be considered for inclusion in rate base, the criteria in part 2, 3, 4, 5, and 6 shall be met.
2. Mechanical completion has been achieved, meaning:
 - a. The turbine and its support tower are assembled, erected, and installed in accordance with the turbine supplier's technical specifications and quality assurance procedures;
 - b. Utility has installed, or caused to be installed, all necessary communication facilities needed to achieve SCADA functionality; and
 - c. Each item on the Mechanical Completion Checklist has been satisfied and the turbine is ready to commence commissioning.
3. The turbine has been commissioned and a Commissioning Completion Certificate has been completed.
4. An operational test of the turbine as outlined in this part 4 has been successfully completed on at least ten percent of the total number of turbines in a Wind Farm for which a Commissioning Completion Certificate has been issued for each such turbine. The operational test shall be completed using the plant SCADA and turbine-mounted sensing and monitoring equipment. Each tested turbine shall have sustained for two consecutive hours a power output of at least 90% of the turbine supplier's guaranteed output as determined by wind speed observed at or above the Predicted Mean Turbine Hub-height Wind Speed and the Air Density, subject to the following:
 - a. Failure of any turbine to achieve the operational test provided for by this part 4 shall mean that the turbine shall be repaired, if needed, and retested. In addition, the test population size shall be increased from ten percent to twenty percent and each of the tested turbines shall comply with this part 4.
5. Sufficient Interconnection Facilities exist to carry the Wind Farm energy output at the nameplate capacity from the completed turbines into the distribution/transmission system at the point of interconnection, the turbines have been synchronized to the grid, and conditional energy resource interconnection service (ERIS) is available on the transmission system.

EXHIBIT A

6. Review of operating Data. The Company will provide Operating Data for each commissioned turbine and its review of such data. The Company's review will be certified by a Professional Engineer licensed in the State of Missouri.
7. Definitions:
 - a. "Air Density" shall mean the average air density at average hub elevation as determined by the wind resource assessment report or by field measurement equipment.
 - b. "Commissioning Completion Certificate" has the meaning given it in the Turbine Supply Agreement.
 - c. "ERIS" means conditional Energy Resource Interconnection Service as defined in Attachment X, Appendix 6, of the Midcontinent Independent System Operator, Inc.'s FERC Electric Tariff (Generator Interconnection Agreement).
 - d. "Interconnection Facilities" shall mean those facilities that interconnect the Wind Farm generator step-up transformer high voltage terminals to the point of interconnection to the grid.
 - e. "Mechanical Completion Checklist" has the meaning given it in the Turbine Supply Agreement.
 - f. "Operating Data" shall mean the quantity of electricity produced by each Turbine, the average wind speed at each Turbine, and the output voltage at each Turbine, in each case on an hourly interval.
 - g. "Predicted Mean Turbine Hub-height Wind Speed" shall mean the mean wind speed at the turbine's hub height as predicted in the pre-construction wind resource assessment.
 - h. "Wind Farm" shall mean a collection of completed wind turbine generators aggregated into one point of interconnection to the grid.