



**Proceedings at Federal Energy Regulatory Commission  
and at the Midcontinent Independent System Operator**

3. The Midcontinent Independent System Operator ("MISO") and Ameren Missouri have entered into a System Support Resources ("SSR") agreement, which was approved on October 24, 2022, effective September 1, 2022. A MISO operating guide details the specific triggers and conditions that will be and have been used for Rush Island's operations starting September 1, 2022. MISO has narrowed the triggers for commitment, with two revisions to the operating guide published since SSR status began.

4. In the first five months of SSR operation (September of 2022 through January of 2023), Rush Island unit one received ten Day Ahead start instructions from MISO. Once online, the unit operated for 837 hours and produced 432,953 megawatt-hours. Across the same timeframe, Rush Island unit two received seven Day Ahead start instructions from MISO. Once online, the unit operated for 358 hours and produced 150,508 megawatt-hours.

**Rush Island Energy Center Retirement Planning Update**

5. **Transmission Planning** – As previously reported, the projects that must be completed before Rush Island can be retired are as follows:

- Replacement of an existing transformer with a larger transformer at Ameren Missouri's Wildwood substation,
- Installation of a capacitor bank at Ameren Missouri's Overton Substation, and
- Installation of four Static Compensators (STATCOM) in and around the St. Louis region.

6. Also as reported previously, there are certain other projects to be completed to meet Ameren Missouri's local transmission planning criteria with the retirement of Rush Island, but the Rush Island retirement will be independent of these projects going into service:

- Reconductoring 50 miles of conductor on the 345 kV Coffeen to Roxford transmission line,
- Retap of the current transformers as well as installation of new metering equipment at the 138kV Hannibal West substation,

- Raising two structures on the 138kV Neoga-Effingham Northwest transmission line and installing new shunts on the entire line, and
  - Constructing a new 138kV transmission line from Beehive to Dupo Ferry and expanding the capacity of the existing Ameren Illinois Dupo Ferry and to Beehive substations to accommodate the new line.
7. Progress on the required projects (listed in paragraph 5 above) is described below.
- Installation of a larger transformer at Ameren Missouri's Wildwood substation - The preliminary layout and project scope have been finalized. Detailed design work is underway. The 345/138kV 700MVA transformer that was originally ordered for a project at our Diaz substation has been repurposed and will be installed at the Wildwood Substation. Anticipated delivery of the transformer is February of 2024. The Company expects this project to go into service by June of 2024.
  - Installation of a capacitor bank at Ameren Missouri's Overton Substation - The preliminary layout for the expansion of the Overton 161kV yard has been completed. Detailed design work is in progress. The capacitor bank is on order and is expected to be delivered July of 2023. The synchronous breaker delivery has been delayed until January of 2024. The in-service date will be early 2024, pending an outage to make the final connection.
  - Installation of four STATCOMS in and around the St. Louis region - Three STATCOMs are scheduled to be in-service by December 2024. One STATCOM is scheduled to be in-service by June of 2025.
  - The required projects have all been approved by MISO. Ameren Missouri has asked for some additional projects to be approved under MISO's expedited project review process. The Company expects to receive approval of those additional projects from MISO's Planning Advisory Committee in early March of 2023.

8. **Operational Planning** – Ameren Missouri started operating under the MISO SSR agreement and associated Operating Guide on September 1, 2022. Since the agreement began, the Rush Island SSR reliability commitments have been as expected, with the units only running during times of MISO need, mostly anticipated to be during summer or winter conditions. We have reduced our O&M and capital budgets for 2023-2025 to reflect that change and are working with the unions to reach an agreement on reducing the manpower for maintenance at the plant beginning on March 1, 2023.

9. As Ameren Missouri has reported previously, the Company continues to work on multiple operational issues that will have to be addressed both during the transition and after retirement of the plant, including creating staffing plans, appropriately adjusting operations and maintenance expenditures and capital investment to reflect retirement of the plant, inspecting remaining inventory to see what is usable elsewhere, and making plans to leave equipment at the plant in safe condition (draining oil, water, etc.), to name a few. Ameren Missouri started with the shutdown plans it developed for the Meramec Energy Center and is modifying them for Rush Island. The Company has made progress on this work, but the final structure of these plans depends upon knowing the final Rush Island retirement date and on how the facility will operate until retirement, which the Company cannot know until it receives a modified order from the District Court.

**WHEREFORE**, Ameren Missouri requests the Missouri Public Service Commission accept this filing as compliant with the order to file monthly status reports.

Respectfully submitted,

*/s/ Wendy K. Tatro*

**Wendy K. Tatro**, Bar #60261  
Director and Assistant General Counsel  
Ameren Missouri  
P.O. Box 66149 (MC 1310)  
1901 Chouteau Avenue  
St. Louis, MO 63166-6149  
(T) 314-554-3484  
(F) 314-554-4014  
[AmerenMOService@ameren.com](mailto:AmerenMOService@ameren.com)

*/s/ James B. Lowery*

James B. Lowery, MO Bar #40503  
JBL Law, LLC  
3406 Whitney Ct.  
Columbia, MO 65203

Telephone: (573) 476-0050  
[lowery@jblawllc.com](mailto:lowery@jblawllc.com)

**Attorneys for Union Electric Company  
d/b/a Ameren Missouri**

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that the foregoing was served on the Missouri Public Service Commission Staff and the Office of the Public Counsel via electronic mail (e-mail) on this 15<sup>th</sup> day of February, 2023.

*/s/ Wendy K. Tatro*  
Wendy K. Tatro