

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. The Company issued a scoping PO to Burns and McDonnell and are kicking off detailed design now. The 345/138kV 700MVA transformer that was originally ordered for a project at our Diaz substation has been repurposed for this project.
- 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. The capacitor bank is currently out for bid and the detailed design work will be starting soon.
- Installation of four STATCOMS in and around the St. Louis region - All bids for the four STATCOM projects have been received and are currently being evaluated by the project team. Bid presentation from the three vendors are occurring this week. An award for these projects is expected to be made in

October. It is anticipated that these projects will be the last to go into service prior to Rush Island's retirement

8. **Operational Planning** – Ameren Missouri started operating under the MISO SSR agreement and associated Operating Guide on September 1, 2022. Based on the agreement and the operating guide, we anticipate that the units will only run in the summer and winter. 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. Similar what 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 new 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

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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) or via regular mail on this 15th day of September, 2022.

/s/ Wendy K. Tatro
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