

Ameren Missouri's
Response to MPSC Data Request - MPSC
EA-2025-0238
Big Hollow CCN

No.: MPSC 0034

Which of the following applications/uses does Ameren Missouri expect the Big Hollow BESS project to fulfill? 1. Frequency regulation; 2. Arbitrage; 3. Ramping/spinning reserve; 4. Excess solar and wind storage; 5. Voltage or reactive power support; 6. Load management; 7. Load following; 8. Co-located renewable firming; 9. Transmission and distribution deferral; 10. Back-up power; and 11. Peak shaving Requested by: Hari Poudel ([Hari.Poudel@psc.mo.gov](mailto: Hari.Poudel@psc.mo.gov) <<mailto: Hari.Poudel@psc.mo.gov>>)

RESPONSE

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Date: 07.31.2025

The Big Hollow BESS project will be registered as an Electric Storage Resource in the Midcontinent ISO (MISO) Energy and Operating Reserve market. The embedded link refers to a fact sheet for MISO Markets and Market Participation Overview.

<https://cdn.misoenergy.org/Fact%20Sheet%20-%20MISO%20Market%20Participation%20Overview632546.pdf>

1, 2, 3, 7, 10, 11. An ESR is qualified to provide Energy (for purposes of arbitrage or other above-named application), regulating reserve, spin\online supplemental reserve, off-line supplemental reserve, ramp capability, and online short-term reserve.

4, 6, 9. While this is not a specified product in the MISO Energy and Operating Reserve market, it is feasible that operating of the BESS project could satisfy this application.

5. The BESS project will provide voltage or reactive power support under the requirements of NERC Standard VAR-002.

8. There are no plans for co-located renewable generation at the Big Hollow point of interconnection.