

APPENDIX

Data Center Threats in Louisiana

Protecting Communities from Big Tech's Costly Impacts

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Technical Appendix: Louisiana Supplement

In addition to the assumptions UCS made for the *Data Center Power Play* analysis, we made two additional assumptions specific to the MISO South region:

- We assumed that neither onshore nor offshore wind would come online in Louisiana until 2029 at the earliest. Therefore, we restricted ReEDS from building wind resources from the 2026 model year. We included this constraint due to slow growth of wind power in the MISO South territory. Louisiana, in particular, has no utility-scale wind farms either operating or under construction. Delays in MISO's interconnection queue process and its transmission planning for its southern region contribute to this slow progress.
- We adjusted the retirement dates and plant technologies reflected in the ReEDS database for several Louisiana and Arkansas fossil fuel plants (Table A-1).

Table A-1. Adjustments to Retirement Years for Select Louisiana and Arkansas Fossil Fuel Plants

Plant Name ¹	Capacity	ReEDS Technology	ReEDS Retirement Year	Adjusted Retirement Year	Source
Brame Energy Center 2²	99 MW	Coal	2047	2029	Cleco Power 2025a
Brame Energy Center 2	397 MW	Coal	2057	2029	Cleco Power 2025a
Nelson Plant Unit 6	157 MW	Coal	2047	2029	Energy Louisiana 2023
Nelson Plant Unit 6	367 MW	Coal	2057	2029	Energy Louisiana 2023
Big Cajun 2 Unit 3³	557 MW	Gas Steam	2017	After modeling period	Energy Louisiana 2023
Big Cajun 2 Unit 1	537 MW	Coal	2017	2025	LDEQ 2025
Big Cajun 2 Unit 2	575 MW	Gas Steam	2017	2032	NRG Energy 2017
Independence 1	70 MW	Coal	2048	2031	US District Court, Eastern District of Arkansas 2018
Independence 1	752 MW	Coal	2058	2031	US District Court, Eastern District of Arkansas 2018
Independence 2	89 MW	Coal	2049	2031	US District Court, Eastern District of Arkansas 2018
Independence 2	753 MW	Coal	2059	2031	US District Court, Eastern District of Arkansas 2018

The full technical appendix for Data Center Power Play is available [here](#).

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Endnotes

- ¹ The ReEDS database appears to separate generating units by company ownership, sometimes resulting in multiple rows with different retirement dates shown for a single unit.
- ² This unit is also referred to as Rodemacher Unit 2. In September 2025, one of its owners, Cleco Power, filed an updated integrated resource planning (IRP) report with the Louisiana Public Service Commission outlining a plan to convert the plant to gas by the end of 2027 (Cleco Power 2025b). UCS, which conducted its modeling before September 2025, assumed the unit would retire in 2029.
- ³ Big Cajun 2 Unit 3 is in fact coal-fired, while Unit 1 at the plant is in fact gas-fired, following a coal-to-gas conversion completed in 2025 (LDEQ 2025). To minimize non-date-related changes to the database, we kept these plant technologies the same and switched the two units’ retirement dates. Because the units’ capacities are very similar, the model accounted for the correct technologies. However, Entergy Louisiana’s latest IRP modeling assumptions, filed in January 2026, reflect a 2028 retirement date for Unit 3 (Entergy Louisiana 2026).