

Chapter 4 - Appendix A

Unit Ratings Summary Table¹

Energy Center	Fuel Type	Summer Net Capability (MW)*	2025 Heat Rate (BTU/kWh)	2025 Equivalent Availability (%)	Commercial Operation Date	Installed Environmental Control Technologies
Callaway	Nuclear	1193	10,036	67	1984	NA
Labadie (Units 1-4)	Coal	2,379	10,305	87	Unit 1: 1970 Unit 2: 1971 Unit 3: 1972 Unit 4: 1973	SO₂ Control: Labadie U1-U4---PRB Fuel NO_x Controls: Labadie U1-U4---OFA, Low NO _x burners, and Combustion Optimizer; Labadie U2&U4---Additional level of SOFA Particulate Matter: Labadie U1&U2---Added C&D precipitator, retired A&B; U4-Rebuild of A&B precipitators, Added C precipitator; U3 A&B precipitators, Added C precipitator, SO ₃ Injection Hg Controls: U1-U4---ACI Mercury Controls
Sioux (Units 1-2)	Coal	976	10,507	77	Unit 1: 1967 Unit 2: 1968	SO₂ Controls: Sioux U1&U2---Wet FGD NO_x Controls: Sioux U1&U2---OFA and SNCR Particulate Matter: Sioux U1&U2---ESP followed by WFGD Hg Controls: Sioux U1&U2---Halogen addition to coal, ACI added to WFGD
Audrain (Units 1-8)	Gas	605	12,202	99	Purchased 2006 Began Operation: 2001	NO_x Controls: Units 1-8---Dry Low NO _x
Goose Creek (Units 1-6)	Gas	436	***	95	Purchased 2006 Began Operation: 2003	NO_x Controls: Units 1-6---Dry Low NO _x
Pinckneyville (Units 1-8)	Gas	316	10,752	81	Purchased 2005 Began Operation: 2000-2001	NO_x Controls: Units 1-4---Water Injection Units 5-8---Dry Low NO _x
Raccoon (Units 1-4)	Gas	303	***	99	Purchased 2006 Began Operation: 2002	NO_x Controls: Units 1-4---Dry Low NO _x
Kinmundy (Units 1-2)	Gas	209	***	92	Purchased 2005 Began Operation: 2001	NO_x Controls: Units 1-2---Dry Low NO _x
Peno Creek (Units 1-4)	Gas	171	11,289	92	2002	NO_x Controls: Units 1-4---Water Injection, Catalyst used to control CO
Venice (Units 2-5)	Gas	485	11,796	96	Unit 2: 2002 Units 3-5: 2005	NO_x Controls: Units 2 and 5---Water Injection Units 3-4---Combustion System Design with Water Injection Unit 5---Dry Low NO _x
Fairgrounds	Oil	55	***	93	1974	NA
Mexico	Oil	54	12,173	99	1978	NA
Moberly	Oil	54	***	45	1978	NA
Moreau	Oil	54	13,231	85	1978	NA
Osage	Hydro	237	NA	100	1931	Wildlife: Fish Net: Turbine design increases dissolved oxygen
Keokuk	Hydro	147	NA	99	1913	NA
Taum Sauk	Pumped Storage	440	NA	86	1963	NA
Maryland Heights	Landfill Gas	9	13,677	63	2012	SulfaTreat used to control SO _x
High Prairie	Wind	400	NA	NA	2014	NA
Atchison	Wind	299	NA	NA	2019	NA
O'Fallon	Solar	4.5	NA	NA	2014	NA
Lambert	Solar	0.9	NA	NA	2019	NA
BJC	Solar	1.6	NA	NA	2019	NA
South St. Louis	Solar	0.2	NA	NA	2021	NA
Montgomery	Solar	5.7	NA	NA	2022	NA
Cape Girardeau	Solar	1.2	NA	NA	2022	NA
Fee Fee	Solar	0.5	NA	NA	2023	NA
North Metro	Solar	0.2	NA	NA	2023	NA
Delmar	Solar	0.3	NA	NA	2023	NA

¹ 20 CSR 4240-22.040(1)

Energy Center	Fuel Type	Summer Net Capability (MW)*	2025 Heat Rate (BTU/kWh)	2025 Equivalent Availability (%)	Commercial Operation Date	Installed Environmental Control Technologies
Boomtown	Solar	150	NA	NA	2024	NA
Cass County	Solar	150	NA	NA	2024	NA
Huck Finn	Solar	200	NA	NA	2024	NA
House Springs	Solar	0.2	NA	NA	2023	NA
Bowling Green	Solar	50	NA	NA	2026	NA
New Florence	Solar	7.0	NA	NA	2026	NA
Split Rail	Solar	300	NA	NA	2026	NA
Vandalia	Solar	50	NA	NA	2025	NA
House Springs	Solar	0.2	NA	NA	2023	NA

NA: Not applicable

*: Solar and Wind values are nameplate

***: Not applicable due to low usage

Compliance References

20 CSR 4240-22.040(1)	1
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