

# Chapter 4 - Appendix A

## Unit Ratings Summary Table<sup>1</sup>

Energy Center	Fuel Type	Summer Net Capability (MW)	2022 Heat Rate (BTU/kWh)	2022 Equivalent Availability (%)	Commercial Operation Date	Installed Environmental Control Technologies
Callaway	Nuclear	1194	9,983	83	1984	NA
Labadie (Units 1-4)	Coal	2,372	10,242	88	Unit 1: 1970 Unit 2: 1971 Unit 3: 1972 Unit 4: 1973	<b>SO<sub>2</sub> Control:</b> Labadie U1-U4---PRB Fuel <b>NO<sub>x</sub> Controls:</b> Labadie U1-U4---OFA, Low NO <sub>x</sub> burners, and Combustion Optimizer; Labadie U2&U4---Additional level of SOFA <b>Particulate Matter:</b> 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 <sub>3</sub> Injection <b>Hg Controls:</b> U1-U4---ACI Mercury Controls
Rush Island (Units 1-2)	Coal	1,178	10,510	92	Unit 1: 1976 Unit 2: 1977	<b>SO<sub>2</sub> Control:</b> Rush Island U1&U2---PRB Fuel <b>NO<sub>x</sub> Controls:</b> Rush Island U1&U2---OFA, Low NO <sub>x</sub> burners, and Combustion Optimizer <b>Particulate Matter:</b> Rush Island U1&U2---ESPs <b>Hg Controls:</b> Rush Island U1&U2---ACI Mercury Controls
Sioux (Units 1-2)	Coal	972	10,509	82	Unit 1: 1967 Unit 2: 1968	<b>SO<sub>2</sub> Controls:</b> Sioux U1&U2---Wet FGD <b>NO<sub>x</sub> Controls:</b> Sioux U1&U2---OFA and SNCR <b>Particulate Matter:</b> Sioux U1&U2---ESP followed by WFGD <b>Hg Controls:</b> Sioux U1&U2---Halogen addition to coal, ACI added to WFGD
Audrain (Units 1-8)	Gas	608	12,304	75	Purchased 2006 Began Operation: 2001	<b>NO<sub>x</sub> Controls:</b> Units 1-8---Dry Low NO <sub>x</sub>
Goose Creek (Units 1-6)	Gas	438	11,841	89	Purchased 2006 Began Operation: 2003	<b>NO<sub>x</sub> Controls:</b> Units 1-6---Dry Low NO <sub>x</sub>
Pinckneyville (Units 1-8)	Gas	316	9,540	79	Purchased 2005 Began Operation: 2000-2001	<b>NO<sub>x</sub> Controls:</b> Units 1-4---Water Injection Units 5-8---Dry Low NO <sub>x</sub>
Raccoon (Units 1-4)	Gas	304	11,839	100	Purchased 2006 Began Operation: 2002	<b>NO<sub>x</sub> Controls:</b> Units 1-4---Dry Low NO <sub>x</sub>
Kinmundy (Units 1-2)	Gas	210	10,975	68	Purchased 2005 Began Operation: 2001	<b>NO<sub>x</sub> Controls:</b> Units 1-2---Dry Low NO <sub>x</sub>
Peno Creek (Units 1-4)	Gas	172	10,839	79	2002	<b>NO<sub>x</sub> Controls:</b> Units 1-4---Water Injection
Venice (Units 2-5)	Gas	489	10,989	68	Unit 2: 2002 Units 3-5: 2005	<b>NO<sub>x</sub> Controls:</b> Units 2 and 5---Water Injection Units 3-4---Combustion System Design with Water Injection Unit 5---Dry Low NO <sub>x</sub>
Fairgrounds	Oil	55	***	63	1974	NA
Mexico	Oil	54	***	95	1978	NA
Moberly	Oil	54	***	83	1978	NA
Moreau	Oil	54	***	84	1978	NA
Osage	Hydro	235	NA	99	1931	<b>Wildlife:</b> Fish Net: Turbine design increases dissolved oxygen
Keokuk	Hydro	148	NA	96	1913	NA
Taum Sauk	Pumped Storage	440	NA	98	1963	NA
Maryland Heights	Landfill Gas	9	13,159	68	2012	NA
High Prairie	Wind	381	NA	NA	2014	NA
Atchison	Wind	288	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	0.3	NA	NA	2023	NA
North Metro	Solar	0.1	NA	NA	2023	NA
Delmar	Solar	0.1	NA	NA	2023	NA
House Springs	Solar	0.1	NA	NA	2023	NA

NA: Not applicable

\*\*\*: Not applicable due to low usage

<sup>1</sup> 20 CSR 4240-22.040(1)

**Compliance References**

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