

# Chapter 4 - Appendix A

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

Energy Center	Summer Peak Capacity August 2020 (Net MW)	2019 Heat Rate (BTU/kWh)	2019 Equivalent Availability (%)	Commercial Operation Date	Installed Environmental Control Technologies
<b>COAL</b>					
Labadie (Units 1-4)	2,372	9,427	80	Unit 1: 1970 Unit 2: 1971 Unit 3: 1972 Unit 4: 1973	<b>SO2 Control:</b> Labadie U1-U4---PRB Fuel <b>NOx Controls:</b> Labadie U1-U4---OFA, Low NOx 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, SO3 Injection <b>Hg Controls:</b> U1-U4---ACI Mercury Controls
Meramec (Units 3-4)	540	11,830	56	Unit 3: 1959 Unit 4: 1961	<b>SO2 Control:</b> Meramec U3&U4---PRB Fuel <b>NOx Controls:</b> Meramec U3&U4---OFA, Low NOx burners and Combustion Optimizer <b>Particulate Matter:</b> Meramec U3&U4---ESPs <b>Hg Controls:</b> Meramec U3&U4---ACI Mercury Controls
Rush Island (Units 1-2)	1,178	10,334	90	Unit 1: 1976 Unit 2: 1977	<b>SO2 Control:</b> Rush Island U1&U2---PRB Fuel <b>NOx Controls:</b> Rush Island U1&U2---OFA, Low NOx 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)	972	10,330	70	Unit 1: 1967 Unit 2: 1968	<b>SO2 Controls:</b> Sioux U1&U2---Wet FGD <b>NOx 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
<b>GAS (and/or Oil)</b>					
Audrain (Units 1-8)	608	12,071	97	Purchased 2006 Began Operation: 2001	<b>NOx Controls:</b> Units 1-8---Dry Low NOx
Goose Creek (Units 1-6)	438	13,515	94	Purchased 2006 Began Operation: 2003	<b>NOx Controls:</b> Units 1-6---Dry Low NOx
Pinckneyville (Units 1-8)	316	10,163	88	Purchased 2005 Began Operation: 2000-2001	<b>NOx Controls:</b> Units 1-4---Water Injection Units 5-8---Dry Low NOx
Raccoon (Units 1-4)	308	14,033	48	Purchased 2006 Began Operation: 2002	<b>NOx Controls:</b> Units 1-4---Dry Low NOx
Kinmundy (Units 1-2)	210	***	68	Purchased 2005 Began Operation: 2001	<b>NOx Controls:</b> Units 1-2---Dry Low NOx
Meramec (Units 1-2, previously coal-fired)	226	***	90	Unit 1: 1953 Unit 2: 1954	<b>NOx Controls:</b> Meramec U1-U2---OFA, Low NOx burners and Combustion Optimizer
Meramec CTG (Units 1-2)	46	14,281	8	Unit 1: 1974 Unit 2: 1999 (1976 Vintage)	NA
Peno Creek (Units 1-4)	192	11,260	79	2002	<b>NOx Controls:</b> Units 1-4---Water Injection
Venice (Units 2-5)	494	11,624	75	Unit 2: 2002 Units 3-5: 2005	<b>NOx Controls:</b> Unit 2---Water Injection Units 3-4---Combustion System Design with Water Injection Unit 5---Dry Low NOx
Fairgrounds	55	***	78	1974	NA
Mexico	54	***	97	1978	NA
Moberly	54	***	94	1978	NA
Moreau	54	***	97	1978	NA

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

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

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<b>NUCLEAR</b>					
Callaway	1,194	9,999	86	1984	NA
<b>HYDROELECTRIC</b>					
Osage	235	NA	97	1931	<b>Wildlife:</b> Fish Net, Turbine design increases dissolved oxygen
Keokuk	144	NA	99	1913	NA
<b>SOLAR</b>					
O'Fallon	2.8	NA	NA	2014	NA
Lambert	0.6	NA	NA	2019	
BJC	1	NA	NA	2019	
<b>STORAGE</b>					
Taum Sauk	440	NA	21	1963	NA
<b>LFG</b>					
Maryland Heights	8	12,445	61	2012	NA

NA: Not applicable

**Compliance References**

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