

Chapter 4 - Appendix A

Unit Ratings Summary Table¹

Energy Center	Summer Peak Capacity July 2017 (Net MW)	2016 Heat Rate (BTU/KWH)	2016 Equivalent Availability (%)	Commercial Operation Date	Installed Environmental Control Technologies
COAL					
Labadie (Units 1-4)	2,372	10,123	81	Unit 1: 1970 Unit 2: 1971 Unit 3: 1972 Unit 4: 1973	SO2 Control: Labadie U1-U4---PRB Fuel NOx Controls: Labadie U1-U4---OFA, Low NOx burners, and Combustion Optimizer; Labadie U2&U4---Additional level of SOFA Particulate Matter: Labadie U1&U2---Added C&D precipitator; U4-Rebuild of A&B precipitators, Added C precipitator; U3 A&B precipitators, Added C precipitator, SO3 Injection Hg Controls: U1-U4---ACI Mercury Controls
Meramec (Units 3-4)	594	11,849	77	Unit 3: 1959 Unit 4: 1961	SO2 Control: Meramec U3&U4---PRB Fuel NOx Controls: Meramec U3&U4---OFA, Low NOx burners and Combustion Optimizer Particulate Matter: Meramec U3&U4---ESPs Hg Controls: Meramec U3&U4---ACI Mercury Controls
Rush Island (Units 1-2)	1,178	10,549	75	Unit 1: 1976 Unit 2: 1977	SO2 Control: Rush Island U1&U2---PRB Fuel NOx Controls: Rush Island U1&U2---OFA, Low NOx burners, and Combustion Optimizer Hg Controls: Rush Island U1&U2---ACI Mercury Controls Particulate Matter: Rush Island U1&U2---ESPs
Sioux (Units 1-2)	970	10,703	73	Unit 1: 1967 Unit 2: 1968	SO2 Controls: Sioux U1&U2---Wet FGD NOx Controls: Sioux U1&U2---OFA, SNCR, and Combustion Optimizer Particulate Matter: Sioux U1&U2---ESP followed by WFGD HG Controls: Sioux U1&U2---Halogen addition to coal, ACI added to WFGD
GAS (and/or Oil)					
Audrain (Units 1-8)	600	12,721	99	Purchased 2006 Began Operation: 2001	NOx Controls: Units 1-8---Dry Low NOx
Goose Creek (Units 1-6)	432	13,405	96	Purchased 2006 Began Operation: 2003	NOx Controls: Units 1-6---Dry Low NOx
Kirksville	13	***	93	1967	NA
Pinckneyville (Units 1-8)	316	10,846	92	Purchased 2005 Began Operation: 2000-2001	NOx Controls: Units 1-4---Water Injection Units 5-8---Dry Low NOx
Raccoon (Units 1-4)	300	13,473	95	Purchased 2006 Began Operation: 2002	NOx Controls: Units 1-4---Dry Low NOx
Kinmundy (Units 1-2)	206	***	98	Purchased 2005 Began Operation: 2001	NOx Controls: Units 1-2---Dry Low NOx
Meramec (Units 1-2, previously coal-fired)	238	11,849	92	Unit 1: 1953 Unit 2: 1954	SO2 Control: Meramec U1&U2---natural gas fueling NOx Controls: Meramec U1-U2---OFA, Low NOx burners and Combustion Optimizer
Meramec CTG (Units 1-2)	98	10,489	78	Unit 1: 1974 Unit 2: 1999 (1976 Vintage)	NA
Peno Creek (Units 1-4)	188	10,713	94	2002	NOx Controls: Units 1-4---Water Injection
Venice (Units 2-5)	487	9,982	96	Unit 2: 2002 Units 3-5: 2005	NOx Controls: Unit 2---Water Injection Units 3-5---Combustion System Design with Water Injection
Fairgrounds	54	***	95	1974	NA
Mexico	53	***	91	1978	NA
Moberly	53	***	94	1978	NA
Moreau	53	***	97	1978	NA
NUCLEAR					
Callaway	1,190	10,003	88	1984	NA
HYDROELECTRIC					
Osage	240	NA	96	1931	NA
Keokuk	145	NA	89	1913	NA
SOLAR					
O'Fallon	3	NA	NA	2014	NA
STORAGE					
Taum Sauk	440	NA	95	1963	NA
LFG					
Maryland Heights	8	13,613	84	2012	NA

Notes: *** Not applicable due to low usage.

¹ 4 CSR 240-22.040(1)

Compliance References

4 CSR 240-22.040(1) 1