

Chapter 4 - Appendix A

Unit Ratings Summary Table¹

Energy Center	Summer Peak Capacity July 2014 (Net MW)	2013 Heat Rate (BTU/KWH)	2013 Equivalent Availability (%)	Commercial Operation Date	Installed Environmental Control Technologies
COAL					
Labadie (Units 1-4)	2,374	10,162	88.0	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-U4---Original ESPs, Added C precipitators, SO ₃ Injection
Meramec (Units 1-4)	834	11,608	62.8	Unit 1: 1953 Unit 2: 1954 Unit 3: 1959 Unit 4: 1961	SO₂ Control: Meramec U1-U4---PRB Fuel NO_x Controls: Meramec U1-U4---Low NO _x burners and Combustion Optimizer Particulate Matter: Meramec U1-U4---ESPs
Rush Island (Units 1-2)	1,182	10,040	92.8	Unit 1: 1976 Unit 2: 1977	SO₂ Control: Rush Island U1&U2---PRB Fuel NO_x Controls: Rush Island U1&U2---OFA, Low NO _x burners, and Combustion Optimizer Hg Controls: Rush Island U1&U2---ACI Mercury Controls (June 2014) Particulate Matter: Rush Island U1&U2---Original ESPs
Sioux (Units 1-2)	974	10,503	79.2	Unit 1: 1967 Unit 2: 1968	SO₂ Controls: Sioux U1&U2---Wet FGD and PRB Fuel Blending NO_x Controls: Sioux U1&U2---OFA, SNCR, and Combustion Optimizer Particulate Matter: Sioux U1&U2---ESP installed with draft modification
GAS (and/or Oil)					
Audrain (Units 1-8)	600	12,388	97.3	Purchased 2006 Began Operation: 2001	NO_x Controls: Units 1-8---Dry Low NO _x
Goose Creek (Units 1-6)	432	14,328	99.9	Purchased 2006 Began Operation: 2003	NO_x Controls: Units 1-6---Dry Low NO _x
Kirksville	13	17,907	96.4	1967	NA
Pinckneyville (Units 1-8)	316	12,042	71.3	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)	300	***	91.5	Purchased 2006 Began Operation: 2002	NO_x Controls: Units 1-4---Dry Low NO _x
Kinmundy (Units 1-2)	206	***	89.9	Purchased 2005 Began Operation: 2001	NO_x Controls: Units 1-2---Dry Low NO _x
Meramec CTG (Units 1-2)	99	11,150	54.6	Unit 1: 1974 Unit 2: 1999 (1976 Vintage)	NA
Peno Creek (Units 1-4)	188	11,816	89.9	2002	NO_x Controls: Units 1-4---Water Injection
Venice (Units 2-5)	487	11,435	93.6	Unit 2: 2002 Units 3-5: 2005	NO_x Controls: Unit 2---Water Injection Units 3-5---Combustion System Design with Water Injection
Fairgrounds	54	***	90.2	1974	NA
Howard Bend	39	***	94.6	1973	NA
Mexico	54	***	96.3	1978	NA
Moberly	54	***	97.8	1978	NA
Moreau	54	***	93.0	1978	NA
NUCLEAR					
Callaway	1,190	9,993	78.5	1984	NA
HYDROELECTRIC					
Osage	240	NA	93.6	1931	NA
Keokuk	141	NA	97.6	1913	NA
STORAGE					
Taum Sauk	440	NA	70.5	1963	NA
LFG					
Maryland Heights	9	13,088	NA	2012	NA

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

NA – Not applicable.

¹ 4 CSR 240-22.040(1)

Compliance References

4 CSR 240-22.040(1)	2
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