

Chapter 10 - Appendix A

Alternative Plans Preliminary Scorecard¹

Ameren Missouri 2023 IRP Alternative Plans Preliminary Scorecard

Planning Objectives, Weights and Measures							
Plan	Category	Environmental/ Renewable/ Resource Diversity	Financial/ Regulatory	Customer Satisfaction	Economic Development	Cost	Overall Assessment
	Category Weight	20%	20%	20%	10%	30%	100%
	Description	Resource Diversity	PV Free Cash Flow	Rate Increases	Net Job Growth (FTE-years)	PVRR	
O	Labadie 2039	4	5	5	4	4	4.40
L	Pumped Hydro w/ MAP LF	4	4	4	4	5	4.30
B	Sioux Retired 2028	4	4	5	4	4	4.20
M	SC	3	4	4	3	5	4.00
P	Labadie 2036	4	5	4	4	3	3.90
A	Sioux Retired 2030	3	4	4	4	4	3.80
C	RAP - Renewable Expansion	3	4	4	4	4	3.80
R	RAP LF	3	4	4	4	4	3.80
H	MAP LF-RES Compliance	3	4	3	5	4	3.70
T	All Renewables	3	2	4	4	5	3.70
Q	Labadie 2031	5	5	4	3	2	3.70
D	Labadie SCR	3	4	4	4	3	3.50
U	SC instead of First CC	2	4	4	3	4	3.50
K	Renewables for Capacity Need	3	4	3	4	3	3.30
V	CCS on 1st CC	3	4	3	4	3	3.30
E	MAP	3	4	2	5	3	3.20
S	MAP LF	3	4	2	5	3	3.20
W	RAP 80%	3	2	4	4	2	2.80
N	SMR w/ RAP LF	4	2	2	4	2	2.60
F	RAP-RES Compliance	2	3	2	3	2	2.30
G	MAP-RES Compliance	2	3	1	5	2	2.30
I	No Additional DSM	2	1	3	2	1	1.70
J	No Additional DSM-RES Compliance	1	2	2	1	1	1.40

Scoring Guide	
Significant Advantage	5
Moderate Advantage	4
No Advantage or Disadvantage	3
Moderate Disadvantage	2
Significant Disadvantage	1

Overall Assessment Guide	
Top-tier Plan	
Mid-tier Plan	
Bottom-tier Plan	

Notes on Scores by Planning Objective		
Environmental/Renewable/Diversity	Inclusion of renewable resource transition; additional renewables; energy efficiency; new nuclear; efficient gas addition; accelerated coal retirement; were viewed as advantageous.	
Financial Regulatory	Financial and regulatory risks associated with new nuclear (e.g., credit metrics); regulatory and financial risk associated with coal regualtion; cessation of energy efficiency programs; and additional gas generation due to a lack of energy efficiency and/or renewable resources were viewed as disadvantageous, as were unfavorable impacts on free cash flow.	
Customer Satisfaction	Lower levelized rates, inclusion of energy efficiency and demand response, inclusion of renewable resource transition, and acceleration of coal generation retirements were viewed as advantageous.	
Economic Development	Plans were rated on a relative scale based on direct jobs (FTE-years) including both construction and operation.	
Cost (PVRR)	Plans were rated on a relative scale based on present value of revenue requirements (PVRR).	
Key to Abbreviations	CC = Combined Cycle Gas Turbine Generator	MEEIA = Missouri Energy Efficiency Investment Act Cycle 1
RAP = Realistic Achievable Potential Demand Side Management Portfolio	SC = Simple Cycle Gas Turbine Generator	RES = Renewable Energy Standard
MAP = Maximum Achievable Potential Demand Side Management Portfolio	CCS = Carbon Capture and Sequestration	LF = Load Flexibility
DSM = Demand Side Management (includes both energy efficiency and demand response)	SCR = Selective Catalytic Reduction (NOx Control)	

¹ 20 CSR 4240-22.010(2)(C); 20 CSR 4240-22.010(2)(C)1 through 3; 20 CSR 4240-22.070(1); 20 CSR 4240-22.070(1) (A) through (D)

Compliance References

20 CSR 4240-22.010(2)(C) 1
20 CSR 4240-22.010(2)(C)1 through 3 1
20 CSR 4240-22.070(1) 1
20 CSR 4240-22.070(1) (A) through (D) 1