

## **SUPPLY-SIDE RESOURCE ANALYSIS**

### **APPENDIX 2-A**

## **MISSOURI REPORTING REQUIREMENTS**

# Missouri Reporting Requirements (4 CSR 240-22.040)

## Supply-Side Resource Analysis

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(9) **Reporting Requirements.** To demonstrate compliance with the provisions of this rule, and pursuant to the requirements of 4 CSR 240-22.080, the utility shall furnish at least the following information:

(A) **A summary table showing each supply resource identified pursuant to section (1) and the results of the screening analysis, including:**

1. **The calculated values of the utility cost and the probable environmental cost for each resource option and the rankings based on these costs;**

Table 2-7 contains levelized costs and rankings for a range of capacity factors for the most cost-effective supply-side options, with and without probable environmental costs.

2. **Identification of candidate resource options that may be included in alternative resource plans; and**

A comprehensive list of candidate resource options that may be included in the optimal resource plan are listed in Appendix 2-G.

3. **An explanation of the reasons why each supply-side resource option rejected as a result of the screening analysis was not included as a candidate resource option;**

The supply-side screening process and results are discussed in Section 2.4 of the Supply-Side Resource Analysis.

(B) **A list of the candidate resource options for which the forecasts, estimates and probability distributions described in section (8) have been developed or are scheduled to be developed by the utility's next scheduled compliance filing pursuant to 4 CSR 240-22.080;**

A summary of the results of the uncertainty analysis for the candidate resource options is contained in Tables 2-9 and 2-10 in the Supply-Side Screening Analysis.

**(C) A summary of the results of the uncertainty analysis described in section (8) that has been completed for candidate resource options; and**

A summary of the results of the uncertainty analysis for the candidate resource options is contained in Tables 2-9 and 2-10 in the Supply-Side Screening Analysis.

**(D) A summary of the mitigation cost estimates developed by the utility for the candidate resource options identified pursuant to subsection (2)(C). This summary shall include a description of how the alternative mitigation levels and associated subjective probabilities were determined and shall identify the source of the cost estimates for the expected mitigation level.**

Probable environmental costs were estimated as described in Section 2.3, Environmental Impacts. Subjective probabilities were assigned to environmental costs, as described in Section 5.4.5 (see Figures 5-9 and 5-10), for purposes of developing and analyzing the preferred resource plan.