

Appendix D. Resource Compliance Requirements

Compliance

Xcel Energy is committed to complying fully with all applicable statutes and rules. Thus, we believe our Plan reflects appropriate implementation of all requirements. We have prepared a matrix reflecting our inventory of requirements to be met in this Application and cross-referenced the portion of the Plan that fulfills each requirement. We provide this matrix starting on Page 2.

2010 Resource Plan Compliance Matrix

Docket No. E-002/RP-07-1572 (In the Matter of Northern States Power Company d/b/a/Xcel Energy's Application for Approval of its 2008-2022 Resource Plan):

Order Point	Content of Order Point	Location of Order Point
Order Point 1A.	Strive to meet legislative requirements in Minn. Stat. 216B.241, subd.1c (b). As an initial step Xcel Energy shall achieve a 1.15 percent DSM goal in 2010, 1.2 percent in 2011, and 1.3 percent in 2012.	Chapter 7. Demand-Side Management, ps. 1,3,5-8,10,13,19-20, 32-33
Order Point 1B1	Install sufficient renewables to meet the Minnesota Renewable Energy Standard and other states' renewables policies.	Chapter 5. Renewable Energy, ps. 1-10,13-18
Order Point 1B2	Obtain Nuclear Regulatory Commission and Minnesota approvals for additional dry cask storage and power uprates at Prairie Island and Monticello nuclear generating plants.	Appendix C, Attachment A
Order Point 1B3	Continue ongoing capacity expansion at the Sherco 3 coal-fired unit.	Chapter 6. Thermal Generation and Contingency Planning, ps.5,18
Order Point 1B4	Continue to investigate repowering at Units 3 and 4 of the Black Dog Plan. Xcel's investigation shall include specific plans and time lines for the repowering.	Chapter 6. Thermal Generation and Contingency Planning, ps.1,4,12-18,29.
Order Point 1B5	Proceed to seek approval of a 375 MW intermediate and 350 MW peaking resource from Manitoba Hydro that would begin in 2015.	Chapter 5. Renewable Energy, ps. 1,32-35
Order Point 1B6	Continue and support efforts to ensure that sufficient transmission resources are available to get needed power from generation in this resource plan to load.	Chapter 10. Transmission
Order Point 2	As part of its next resource plan, Xcel shall continue to model whether different levels of DSM are cost-effective as proposed by the Joint Intervenors. If results of new modeling show that DSM goals higher than 1.3 percent are cost-effective, including 1.5 or even 2 percent, then Xcel can use this cost effectiveness analysis, in combination with other new and updated information to determine whether it can meet a goal higher than 1.3 percent during its next fifteen-year resource planning period.	Chapter 7. Demand-Side Management, ps. 10-14, 16-18

Order Point 3	Xcel Energy shall file within 120 days of this Order, an evaluation of spent fuel storage and disposal options for the life of the Prairie Island Nuclear Generating Plant and the Monticello Nuclear Generating Plant.	Filed on December 3, 2009
Order Point 4	Xcel Energy shall file, within 30 days of this Order, an updated resource acquisition table, clarifying the outcome and revisions described in the Company's February 9, 2009 update. Xcel shall continue to file compliance updates to reflect any significant changes in the table.	Filed on September 3, 2009
Order Point 6	Xcel Energy shall file its next resource plan no later than August 1, 2010.	This filing

Docket No. E-002/RP-04-1752 (In the Matter of Northern States Power Company d/b/a/Xcel Energy's Application for Approval of its 2005-2019 Resource Plan):

Order Point	Content of Order Point	Location of Order Point
Order Point 1	Wind Expansion. At least 500 megawatts of this generation shall be from community-based energy development (C-BED) projects, with at least 300 megawatts deployed by 2007.	Chapter 5. Renewable Energy, ps. 5-7, 29-30
Order Point 24	Xcel Energy shall commission a study by qualified experts, similar to the ongoing wind integration study required by the Legislature, to determine what a comprehensive distributed generation strategy would entail. This study shall include a technical evaluation of the opportunities, technical potential, and economics of adding significant distributed generation resources to the Xcel Energy system.	Chapter 8. Emerging Technologies, ps.3-5
Order Point 25	The study required in paragraph 24 must include an evaluation of large customer sites, to identify those with significant distributed generation potential, and must include evaluation of possible Combined Heat and Power initiatives with industrial customers engaged in ethanol production or other enterprises. It must also include analyses of the total technical potential for distributed generation within Xcel Energy's service area, the benefits of distributed generation, under	Chapter 8. Emerging Technologies, ps.3-5

	both utility ownership and customer ownership.	
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Docket No. E-999/CI-06-159 (In the Matter of Commission Investigation and Determination under the Electricity Title, Section XII, of the Federal Energy Policy Act of 2005)

Order Point 2	<i>Fossil Fuel Efficiency Standard</i> Investor-owned utilities shall include information in their Resource Plans generically describing how the utility is planning to address fossil fuel efficiency to meet the goals of this standard.	Chapter 6. Thermal Generation and Contingency Planning, ps. 5,18,23
Order Point 3	Investor-owned utilities shall include information in their Resource Plans with respect to: <ul style="list-style-type: none"> a. The heat rates of existing plants; b. Their efforts to maintain or improve heat rates over time; and c. Modeling runs(s) of ways to improve the heat rates of either the largest existing or the lowest heat rate generation plants. 	Chapter 6. Thermal Generation and Contingency Planning, ps.21-23

Docket No. E-999/CI-07-1199 (In the Matter of Establishing an Estimate of the Costs of Future Carbon Dioxide Regulation on Electricity Generation under Minn. Stat. § 216H.06)

Order Points 1 & 2	The Commission updates the 2009 CO ₂ cost estimate range to \$9 to \$34 per ton of CO ₂ as recommendation by the MPCA and the OES, anticipating that utilities will also establish a mid-range in their modeling analysis. The Commission finds that the values determined in this proceeding are also appropriate for 2010.	Chapter 4. Modeling and Plan Description, ps. 4, 22
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Resource Plan-Filing Rules and Requirements

Authority	Required Information	Location of Required Content
Rule 7843.0300 subpart 3.	Completeness of filing: Resource plan must contain the information required by part 7843.0400, unless an exemption has been granted under subpart 4.	Refer to Contents of Resource Plan filing points listed below.
7843.0400.	Contents of Resource Plan Filings.	
Subpart 1.	Advance forecasts. Include in the filing identified in Subpart 2 its most recent annual submission to the Minnesota Department of Commerce and the Minnesota Environmental Quality Board.	Appendix F, Annual Report.
Subpart 2.	Resource Plan. File a proposed plan for meeting the service needs of its customers over the forecast period. The plan must show the resource options the utility believes it might use to meet those needs. The plan must also specify how the implementation and use of those resource options would vary with changes in supply and demand circumstances. Utility is only required to identify a resource option generically, unless a commitment to a specific resource exists at the time of the filing. Utility shall also discuss plans to reduce existing resources through sales, leases, deratings, or retirements.	Chapter 4, Modeling and Plan Description. See also various other resource plan chapters.
Subpart 3.	Supporting Information. Include in its resource plan filing information supporting selection of the proposed	Throughout Resource Plan.

	resource plan.	
“	<p>A) When a utility’s existing resources are inadequate to meet the projected level of resource needs, the supporting information must contain a complete list of resource options considered for addition to the existing resources. At a minimum, the list must include new generating facilities of various types and sizes and with various fuel types, cogeneration, new transmission facilities of various types and sizes, upgrading of existing generation and transmission equipment, life extensions of existing generation and transmission equipment, load-control equipment, utility-sponsored conservation programs, purchases from nonutilities, and purchases from other utilities. The utility may seek additional input from the commission regarding the resource options to be included in the list. For a resource option that could meet a significant part of the need identified by the forecast, the supporting information must include a general evaluation of the option, including its availability, reliability, cost, socioeconomic effects, and environmental effects.</p>	Throughout Resource Plan.
“	<p>B) Supporting information must include descriptions of the overall process and of the analytical technique used by the utility to create its</p>	Chapter 4, Modeling and Plan Description.

	proposed resource plan from the available options.	
“	C) Supporting information must include an action plan, a description of the activities the utility intends to undertake to develop or obtain noncurrent resources identified in its proposed plan. Action plan must cover a five-year period beginning with the filing date. Action plan must include a schedule of key activities, including construction and regulatory filings.	Chapter 1, Executive Summary.
“	D) For the proposed resource plan as a whole, the supporting information must include a narrative and quantitative discussion of why the plan would be in the public interest, considering the factors listed in part 7843.0500, subpart 3.	Chapter 1, Executive Summary, and throughout the Plan.
Subpart 4.	Nontechnical summary. Utility shall include in its resource plan filing a non-technical summary, not exceeding 25 pages in length and describing the utility’s resource needs, the resource plan created by the utility to meet those needs, the process and analytical techniques used to create the plan, activities required over the next five years to implement the plan, and the likely effect of plan implementation on electric rates and bills.	Chapter 1, Executive Summary and Appendix C
Minn Stat. §216B.1691 Subd 3	Each electric utility shall report on its plans, activities, and progress with regard to the objectives and standards of this section in its filings	Chapter 5, Renewable Energy, P. 1-10,12-17,21-29

	<p>under section 216B.2422 or in a separate report submitted to the commission every two years, whichever is more frequent, demonstrating to the commission the utility's effort to comply with this section. In its resource plan or a separate report, each electric utility shall provide a description of:</p> <p>(1) the status of the utility's renewable energy mix relative to the objective and standards;</p> <p>(2) efforts taken to meet the objective and standards;</p> <p>(3) any obstacles encountered or anticipated in meeting the objective or standards; and</p> <p>(4) potential solutions to the obstacles.</p>	
Minn Stat. §216B.2422	Resource Planning; Renewable Energy.	Chapter 5, Renewable Energy.
Subdivision 2	Resource Plan Filing and Approval. As part of its resource plan filing, a utility shall include the least cost plan for meeting 50 and 75 percent of all new and refurbished capacity needs through a combination of conservation and renewable energy resources.	Chapter 5, Renewable Energy, P. 30
Subdivision 2a	Historical data and Advance Forecast. Each utility required to file a resource plan under this section shall include in the filing all applicable annual information required by section 216C.17, subdivision 2, and the rules adopted under that section. To the extent that a utility complies	Appendix E, Annual Report.

	with this subdivision, it is not required to file annual advance forecasts with the department under section 216C.17, subdivision 2.	
Subdivision 3	Environmental Costs. (a) A utility shall use the values established by the commission in conjunction with other external factors, including socioeconomic costs, when evaluating and selecting resource options in all proceedings before the commission, including resource plan and certificate of need proceedings.	Chapter 4, Modeling and Plan Description.
Subdivision 4	Preference for renewable energy facility. The commission shall not approve a new or refurbished nonrenewable energy facility in an integrated resource plan or a certificate of need, pursuant to section 216B.243, nor shall the commission allow rate recovery pursuant to section 216B.16 for such a nonrenewable energy facility, unless the utility has demonstrated that a renewable energy facility is not in the public interest.	Chapter 4, Modeling and Plan Description.
Subdivision 6	Consolidation of resource planning and certificate of need. A utility shall indicate in its resource plan whether it intends to site or construct a large energy facility.	Chapter 1, Executive Summary and Chapter 5, Renewable Energy.
Minn Stat. §3.8851 Subdivision 4	Nuclear reports. The public utility that owns the Prairie Island and Monticello nuclear generation facilities shall update the reports required under section 116C.772, subdivisions 3 to	Appendix C

	5, and shall submit those updates periodically to the Public Utilities Commission with the utility's resource plan filing under section 216B.2422 and to the Legislative Energy Commission.	
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