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INTEGRATED RESOURCE PLAN (IRP) Report

NPPD Board of Directors Meeting
September 14, 2023

Jim Fehr, Resource Planning & Risk Manager



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Last Month

- Provided the Board:
 - Final-Proposed IRP Report
 - Summary of the Final-Proposed IRP Report and an overview of the changes made from January's draft version.
- Provided a similar summary at the Customer Meeting
 - No concerns regarding the report were raised at the meeting
 - One question on timing of Reciprocating Internal Combustion Engines (RICE) deliveries
 - Mr. Spencer responded during the meeting
- Received a comment from a customer.
 - The IRP report was updated in Section 6 & Appendix D to include this comment

Recap of Action Items

- **Action Item 5.1**
 - Start proceeding with the CNS second relicense renewal process, as well as further refine the capital costs needed for the relicense.
 - Also continue to monitor CNS operating costs and reevaluate relicensing if projected costs are significantly higher than assumptions in the IRP.
- **Action Item 5.2**
 - Continue to operate GGS on coal while monitoring potential risks to continued GGS operation. Also continue to investigate Carbon Capture & Sequestration, as well as other options.

Recap of Action Items

- Action Item 5.3
 - Continue to pursue required modifications at Sheldon for compliance with ELG rule requirements, while also investigating potential restoration of the site to natural gas operation.
 - NPPD should also obtain better estimates for natural gas restoration vs. a dual-fuel CT or RICE facility before making a final decision on any modifications.
- Action Item 5.4
 - Continue to monitor SMR progress and complete preliminary siting studies.

ELG - Effluent Limitation Guideline
CT - Combustion Turbine
RICE - Reciprocating Internal
Combustion Engines
SMR - Small Modular Reactors

Recap of Action Items

- Action Item 5.5
 - Evaluate the potential for increased funding of the EnergyWiseSM program, in order to facilitate further discussion with our customers regarding the most mutually advantageous level of Energy Efficiency to pursue.
- Action Item 5.6
 - Work with customers to identify mutually beneficial opportunities to increase use of Demand Response (DR).
 - Continue to participate in on-going review of SPP's requirements for DR to ensure its existing DR programs remain compliant and continue to provide a resource adequacy benefit

Recap of Action Items

- **Action Item 5.7**
 - Explore the possibility of early renewable installation using Inflation Reduction Act (IRA) credits.
 - The exact size, type, and value will depend on what is available to interconnect to the transmission system within a few years.
- **Action Item 5.8**
 - Investigate resource options due to the higher near-term projected loads.

Recommendation

- Approve the Final-Proposed IRP Report as provided to the Board



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Questions

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