



2024-2040 Upper Midwest Integrated Resource Plan (IRP)

Docket No. E002/RP-24-67

February 2024

City Council

February 26, 2024

Upper Midwest IRP Overview

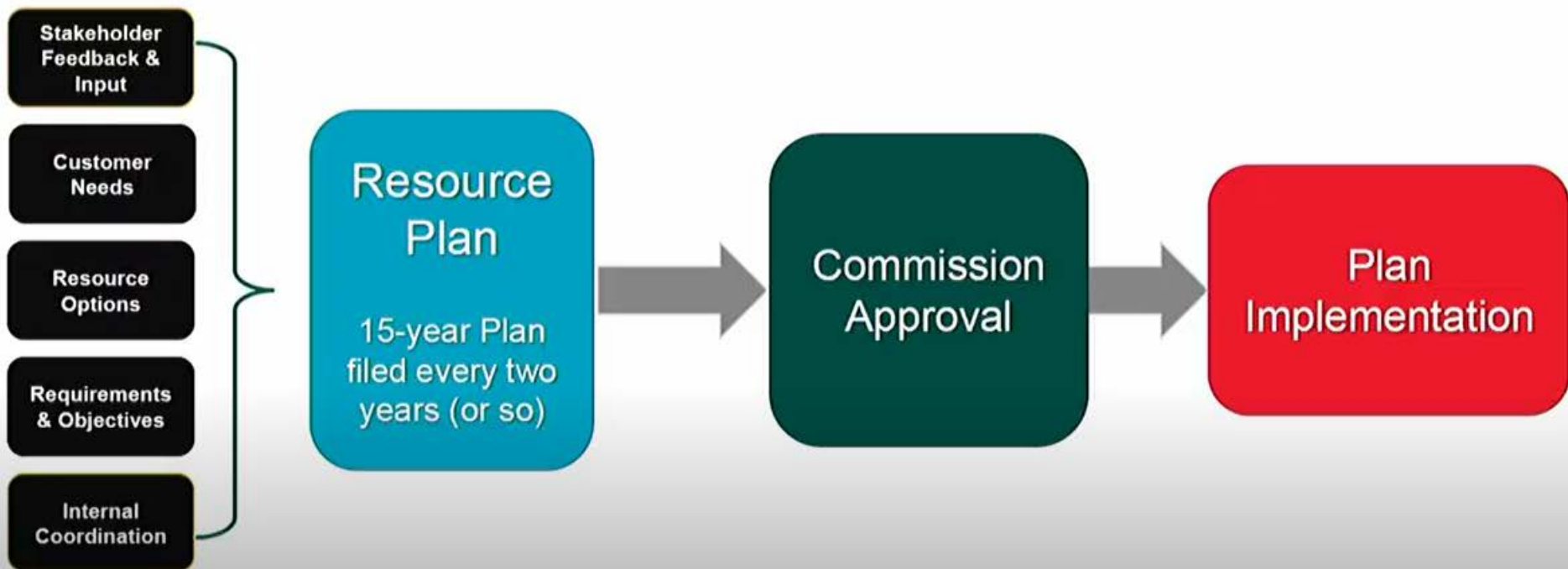
- **15-year plan for Upper Midwest service area**
- Capacity expansion modeling to assess **size, type, timing of least-cost resource sets** that can serve future load
- Balances four core planning objectives



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Integrated Resource Planning Process



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Upper Midwest Energy Plan

Elements of Our Plan



Close coal plants

Retire the last of our coal plants in the Upper Midwest by 2030

Add renewables

Build about 3,600 megawatts of new wind and solar facilities, along with 600 megawatts of battery energy storage by 2030

Continue carbon-free nuclear

Extend the use of our carbon-free nuclear plants until the early 2050s

Enable a carbon-free future

Continue to use natural gas facilities to ensure the reliability and stability of the electric system while exploring new "always available" energy sources to advance the clean energy transition

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Preferred Plan Overview

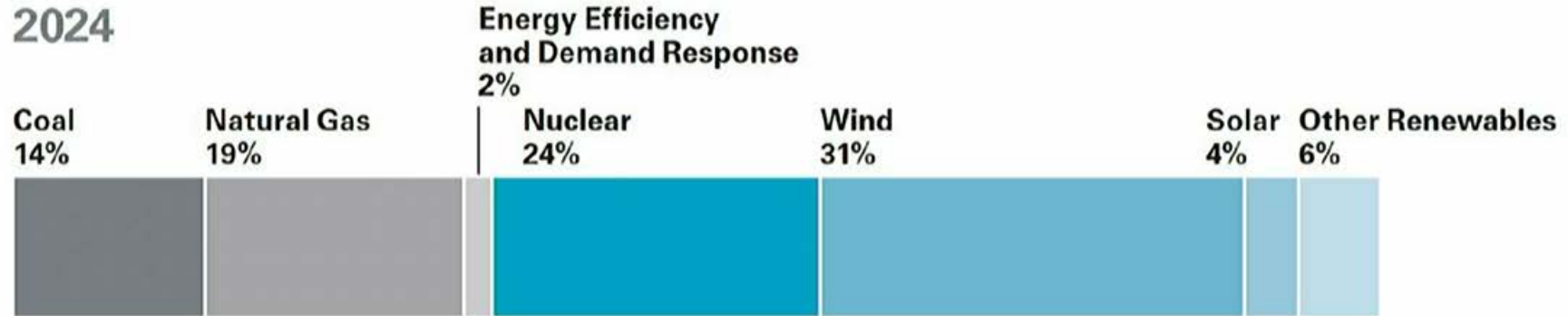
- Extension of nuclear facilities: Prairie Island (20 years) and Monticello (10 years)
- Plans to extend MN Refuse-Derived Fuel (RDF) Waste-to-Energy plants (10 years)
- Additional wind, solar, and battery storage resources added
- Utilize "always available" resources, including natural gas, to back up wind and solar
- Coal plant retirements on track
- Preferred plan charts a path toward achieving Minnesota's new "100 by 2040" law
- Load growth expected: data centers, electric vehicles, and beneficial electrification
- Maintains critical reliability and affordability for our customers at <1% average
half the national average

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Our Customers' Energy Mix

2024



2030



Public Meetings

- Multiple Stakeholder engagement workshops held
- PUC is coordinating future public meetings
- Designed for the public to learn about the process, hear about the plan, and provide input
- Expected early to mid-June; dates & locations TBD; virtual option available
- Red Wing/Prairie Island area has been identified as a location

Integrated Resource Plan – What's Next?

1. Interested parties can file for intervenor status and ask discovery questions
2. Comment period closes: June 28, 2024
 - Reply comment period closes: August 28, 2024
 - Supplemental comment period closes: September 30, 2024
3. Public meetings: expected early to mid-June 2024 (determined by ALJ)
 - Advertised social media, bill inserts, newspapers ads, etc.
4. PUC hearing by February 1, 2025
 - Docket no. 24 (year) 67 (number)

[MN DOC E-filing \(state.mn.us\)](https://state.mn.us)

The screenshot shows a search interface for the Minnesota Department of Commerce (MN DOC) e-filing system. At the top, there are 'Search' and 'Clear' buttons. Below them, the 'Docket Number' is displayed as '24' (Year) and '67' (Number). To the right of the 'Docket Number' field is a 'Docket Lookup' link with the text 'Examples: 05-101, 04-820.05'. Below the docket number, there is a 'Document Type' dropdown menu currently set to '-Select-'. Further down, there are input fields for 'Submission Number' and 'On Behalf Of:'. At the bottom, there are two radio button options: 'Received Date:' and 'Received Date Range:'. The 'Received Date Range:' option includes 'From Date:' and 'To Date:' fields, both with date pickers and the format 'Format: mm/dd/yyyy'. At the very bottom of the search area, there are 'Search' and 'Clear' buttons.



CERTIFICATE OF NEED (CON) – DRY FUEL STORAGE

Docket No. E002/CN-24-68

February 2024

Certificate of Need (CON) – What's Next?

1. Open comment period for determination of application completeness
 - Closes March 8, 2024
 - Company responses due March 15, 2024
2. Department of Commerce Energy Environmental Review and Analysis develops Environmental Impact Statement (EIS) – TBD
3. Public meetings and comment periods associated with the EIS draft
4. Administrative Law Judge (ALJ) will be assigned to case
5. Testimony and public hearings
6. ALJ issue final report to PUC
7. PUC decision
8. Legislative stay

QUESTIONS?

