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AGENDA

1. Changing Energy Industry
2. Overview of Upper Midwest Resource Plan filing
3. New Regulatory Landscape
4. Questions
TRENDS IN THE ENERGY INDUSTRY

Changing Economics

Growing Customer Expectations

Changing Policy Landscape
RESOURCE PLANNING PROCESS

Resource Plan

Data Inputs
- Resource Options
- Statutory Requirements

Stakeholder Input
- PUC Approval
- Resource Acquisition
OUR PREFERRED PLAN

Diverse Energy Mix
**RESOURCE PLAN HIGHLIGHTS**

*Wind*: 25% of energy mix by 2030
**RESOURCES PLAN HIGHLIGHTS**

**Solar:** Achieves 10% solar energy standard
**RESOURCE PLAN HIGHLIGHTS**

*Natural Gas:*
add 1,750 MW natural gas fueled plants by 2030
RESOURCE PLAN HIGHLIGHTS

Carbon-Free Nuclear: 28% Energy Mix
RESOURCE PLAN HIGHLIGHTS

**Coal:** Gradually decrease reliance on coal plants
2016 – 2030 RESOURCE PLAN

- Coal: 29%
- Natural Gas: 8%
- Nuclear: 28%
- Renewables: 35%

63% Carbon Free Fuel Diversity to Manage Risk
OUR CHALLENGES

Evolving Environmental Regulations

Divergent State Policies

Changing Customer Expectations

Emerging Technologies
A NEW FRAMEWORK

Employ longer-term compacts
- Align resource, policy and rate decisions

Create new tools
- Take a macro view
- Employ performance-based oversight

Explore alternative structures
- Create value
- Meet each state's priorities

Expedite customer options
- Move away from one-size-fits-all
- Ensure fair playing field

A flexible, collaborative, forward-looking process
Questions?