

# MDU/OTP Joint Witness Mark Rolfes

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## Summary

# OTP/MDU Exhibits 324 & 335

# BIG STONE II CAPACITY

- ORIGINAL PROPOSAL 630 MW
- PRESENT PROPOSAL 500MW
- SAME EFFICIENCY
- SAME EMISSION RATES (Lbs/MWh)  
Less total emissions from smaller unit (Tons/year)

# COMMERCIAL OPERATION DATE

FALL 2013

- Assumes current permitting schedule
- Project schedule still subject to permitting delays

# COST ESTIMATES

- **500 MW - \$1.272 Billion**

\$2,545/kW

- **EPR1 Formula**

Based on Cost Estimates for 630 MW

- **Potential Cost Increases from Delay**

# NEW POWER PLANTS

Utilities need additional generating capacity at the same time

New capacity constructed as a last resort

Competition for labor and materials drives up the costs

# MERCURY CONTROL

- Same control equipment as originally planned
- \$1.5 million capital costs
- \$1.2 to \$1.5 million O&M Costs/year
- Costs Included in Planning