

OTP/MDU Joint Witness Timothy Rogelstad

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Summary

OTP/MDU Exhibits
312,313,314,315,316,317 & 318

Transmission Planning Process

- Planning Objectives
 - Load Growth Planning
 - Interconnection Requests
 - System Maintenance
 - Transmission Service Requests
 - Regional and State Policy Goals

Big Stone Transmission Planning

- Transmission Screening Study
- Interconnection Study
- Delivery Service Study

The Big Stone Transmission Lines

- 230 kV – Big Stone to Morris, Mn
- 345 kV – Big Stone to Granite Falls

Least Cost Option

Granite Falls at 345kV

- Initially operated at 230 kV
- Consistent with original plans
- Positive impact on North Dakota
 - Export (NDEX) constraint
- Provides capacity for wind

Midwest Independent Transmission System Operator - MISO

- Recommends the Big Stone Transmission Lines
- MISO Transmission Expansion Plan
- Cost recovery under MISO tariff