

Applicants' Witness Ray Wahle

Power Supply & Operations Director
Missouri River Energy Services (MRES)

Summary
Applicants' Exhibits 3 and 41

MRES - Summary

- 60 Members
 - Cavalier, N.D. to Fontanelle, IA and Faith, S.D. to Hutchinson, MN
 - Largest: Moorhead, MN – population 32,200
 - Smallest: Pickstown, SD – population 168
 - Average Population: 4,100
- Number of meters: 120,000
- MRES and members not rate-regulated by SDPUC
- 13-member Board of Directors elected from the membership
 - Sets strategic direction
 - Approves the budget
 - Sets rates

Direct Testimony - Summary

- **Benefits of BSP II**
 - Meet member demand
 - Dispatchable
 - Can provide ancillary transmission service
 - VAR support
 - Regulation
 - Load following
 - Baseload generation
 - In the MISO market
 - Own resource and hedge against high market costs
 - Elimination of pan-caked transmission and losses
 - Provides hedge on congestion & losses

Rebuttal - Summary

- **Big Stone Unit II versus 1,320 MW of wind**
(Goldberg testimony)
 - Mr. Goldberg assumed this amount of wind to provide, on average, a similar amount of energy on an annual basis
 - Electricity energy cannot be stored
 - Different accredited capability
 - 600 MW for BSP II
 - 66 MW to 238 MW for 1,320 MW of wind turbines
 - Wind is not dispatchable
 - Wind cannot provide ancillary services
- **MRES plans to enact wind development;**
but it is not a substitute for Big Stone Unit II