



2005 Access Initiative Objectives and Timeframe

Dale Burmester

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Objectives

- Fine tune alternatives – maximize benefit / cost
- Perform additional alternative and sensitivity analysis
- Quantify potential benefit of lower reserve margin
- Determine primary and alternate package for pre-cert by EOY 2005
- Support PSCW docket on Access
- Identification of facilities to address NCA designation for WUMS and Northern WUMS within five year window
- 2005 Bi-monthly meetings (Mondays)
 - Feb 14, Apr 11, Jun 20, Aug 29, Oct 10, Dec 5



Alternatives

- South Alternatives (3 to 8) 345 kV
 - Including Paddock-Rockdale 345 kV
- SouthWest Alternatives (2 to 6) 345 kV
- 138 kV Alternatives (2 to 6)
- Combinations of 138 kV alternatives
 - Varying levels of import capability
- Combinations of 345 kV alternatives
 - Varying levels of import capability



Sensitivities

- Sensitivity: 3 WI Nuke out
- Sensitivity: High WI generation development
- Sensitivity: High gas prices
- Sensitivity: High wind (base assumption?)
- Sensitivity: Significant major transmission outage
 - e.g. Eau Claire – Arpin 345 kV OOS 1 week
- Sensitivity: Impaired gas supply
 - Price spikes
 - 1 week gas main outage
- Others???



Sensitivities / Bounds

- Bound benefits: Multiple “seed” draws
 - Intelli-draw vs. uncapped FOR
- Bound benefits: No ATC system constraints
- Bound benefits: No Eastern Interconnection constraints
- Bound benefits: Max transfer capability - WI generation \$1,000 / MWhr & external “free”
- Bound benefits: Run feasible alternatives in 2009
- Others???



Prioritization

- Prioritize Analysis
 - Analysis of alternatives
 - Sensitivities
 - Sensitivities / Bounds
 - Additional / others to consider?



PSCW Docket

- 2004 PSCW SEA (p. 146)

A key question for determining the level of transmission and generation investment necessary in the next seven years is to define what the proper simultaneous transfer capacity (the ability to move electricity between eastern and western parts of the state as well as between states) should be for Wisconsin. The Commission notes that there were several different estimates provided during the SEA public comment period. It is essential for future planning purposes that some consensus be reached on the appropriate level. Accordingly, the Commission will open a generic docket, building upon the ATC Access Study Initiative, to explore the appropriate simultaneous transfer capacity for Wisconsin.



MISO Narrowly Constrained Areas

- WUMS, Northern WUMS
- Work with IMM to determine what facilities are required to address NCA designation within the five year window