

February 22, 2010

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## Eastern Wisconsin Collaborative

The **Eastern Wisconsin Collaborative** (EWC) was established to identify, prioritize and coordinate the evaluation and analysis of the many performance challenge issues that exist in the Southeastern and Northeastern areas of ATC.

Feedback from customers on area trends and challenges has reinforced the Planning Group's direction of establishing the following:

- Provide a summary of existing ATC and regional studies that impact the study area. This summary will be used for coordination purposes and also for assessing what additional studies may be beneficial.
- Conduct a Phase 1 study of Southeastern Wisconsin. ATC plans to address this through analysis including assessments of economic impact of congestion, transfer and generator outlet capability, multiple contingencies, operational limitations and other reliability considerations.
- Conduct a Phase 2 study of Northern portion of the Eastern Wisconsin Collaborative study area to be initiated subsequent to the Phase 1 analysis. Specifics of the analyses to be conducted will be defined at a later date and is proposed to include an assessment of a significant increase of wind generation in this area.

## February 22 Stakeholder meeting notes:

Comments grouped by Feb. 22 presentation slides, along with ATC responses follow:

- Potential Changes in Wisconsin Regulations
  - Stakeholder comment – Greenhouse Gas portion of bill is not supported
  - *ATC reply - The Clean Energy Jobs Act did not come up for a vote in either the Wisconsin Assembly or Senate during the recent legislative session, which ended on April 22, 2010.*
- Generator Interconnection Requests
  - Stakeholder comment - Off shore Wind development initiatives need to mature. Could impact need for transmission along Lake Michigan – plan with “No-regrets” approach to accommodate various resource sources
  - Stakeholder identified that Generator retirements were an important part of this issue.
  - A Stakeholder requested if a report is available on where the best place to interconnect
    - *ATC reply - ATC did not have a study like this but information could be inferred by looking at the Generation Queue request reports that are posted on the Midwest ISO OASIS.*
- Integration of Local and Regional Renewable Resources

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- Stakeholder comment – Coordination issue need with other regional studies in progress – Difficult to follow and determine interrelationship
- A Stakeholder recommended allowing regional process to unfold first
  - *ATC reply - With the long lead time associated with planning, siting and constructing transmission facilities, ATC needs to be proactive.*
- System Stability Improvement need
  - No comments
- Operational and Maintenance Challenges
  - Stakeholder comment – Downtown Milwaukee Voltage concerns
  - Stakeholder comment – Include consideration of eliminating Operating guides
  - Stakeholder comment – Consider historical load curtailments to determine potential need.
    - Stakeholder comment – It is not practical to evaluate extremely low probability events (like n-5 or n-6) and construct a plan (ie spend money) to eliminate any consequences.
    - *ATC response – ATC has established planning criteria which defines when it is acceptable to curtail load. [ATC system performance planning criteria can be found at - <http://www.atc10yearplan.com/PF7a.shtml>]*
  - Stakeholder comment – Investigate Rating Methodology/technology improvements – such as Dynamic ratings
    - Stakeholder comment – Some Transmission Owners have dynamic ratings in wind zones only to account for situations were higher wind would initiate higher system flows.
    - *ATC response – ATC plans to investigate the potential of ambient adjusted ratings.*
- Market Congestion
  - *ATC comment - MISO Cross border congested flowgate study underway. It is anticipated that some of the congested elements that affect Southeastern Wisconsin will be included in this study.*
  - Stakeholder comment – Include a near term PROMOD analysis – 2010 to determine expected congestion.
  - *ATC response – ATC routinely looks at near term models to evaluate the benefits of lines placed in service over the last year. In addition, ATC creates summaries of the MISO market congestion in the ATC footprint on a monthly basis. See the following link for more information - [http://oasis.midwestiso.org/documents/ATC/market\\_constraints.html](http://oasis.midwestiso.org/documents/ATC/market_constraints.html)*
  - Stakeholder comments – Consider denied FTR requests and FTR Allocation results
  - *ATC reply - These results are posted to the market participant Portal – which ATC does not have access to. We will require assistance from stakeholders to consider the impact of this issue.*