

2021 Economic Study Assumptions

PRESENTED BY

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Introduction

- Process overview and timeline
- Study areas
- Next steps

ATC Process Overview

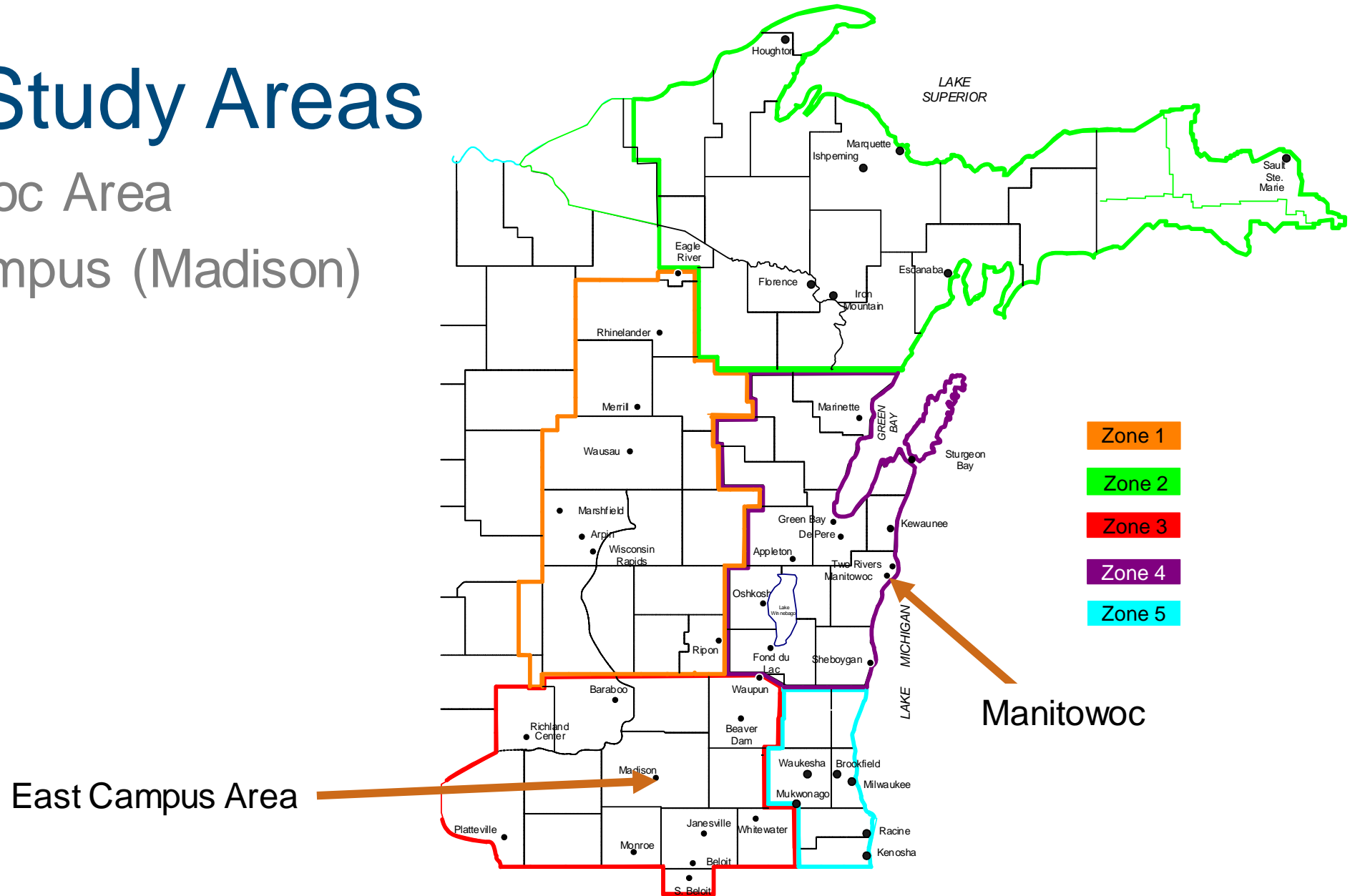
- Develop ATC economic models from MISO MTEP models
 - MTEP (MISO Transmission Expansion Plan)
 - Includes updates from stakeholders
- Analyze potential projects' economic benefit
- Report results to stakeholders
- Build economical best-value projects

ATC Process Timeline

- Per ATC Tariff:
 - **During February**, we hold an initial stakeholder meeting to review the market congestion summary and potential fixes and to discuss economic study scenarios, drivers, ranges, and assumptions.
 - **By March 1**, we work with stakeholders to request and prioritize new/other economic studies and recommend study assumptions.
 - **By April 15** –we identify preliminary areas of economic study, study assumptions and models and solicit further comments from stakeholders.
 - **By May 15** –we finalize areas of economic study, study assumptions and models to be used in analysis.
 - **By November 15** –we provide a summary of the results of the economic analyses to our stakeholders.

2022 Study Areas

- Manitowoc Area
- East Campus (Madison) Area



Notable 2021 Congestion

Line	2021 Market Hours of Congestion
East Campus - Walnut 69 kV (6976)	1546.08
Custer - New Holstein 69 kV (P-68)	1387.83
Northeast - Shoto 69 kV (K-11)	263.3
Finger Road - Wesmark 69 kV (FIRY11)	191.2

Note: hours are the sum of day-ahead and real-time markets

Next Steps

- Analysis of Projects
 - Study Years: 2025, 2030, 2035, 2040
 - Futures: F1 and F2 (F3 has not been released)
- November: Provide Analysis Update Summary



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