



MISO MTEP09 PROMOD Model Development

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PROMOD Model Development

- MISO PROMOD Development
 - Anticipated having PROMOD models for 2013, 2018 & 2024 by early May
 - More work than anticipated because of:
 - 6-digit bus number mapping
 - Bugs with major new releases of Powerbase and PROMOD
 - Inclusion of numerous modeling updates across the Eastern Interconnect (for the Joint Coordinated System Plan-JCSP)



PROMOD Model Development

- JCSP Analysis
 - Collaborative initiative among MISO, PJM, SPP, NYISO, ISO-NE, MAPP & TVA.
 - Focused on the “Reference” and “20% Wind” futures for 2024
 - Associated PROMOD models complete
 - Steps for getting access the 2024 models are in progress:
 1. FERC Critical Energy Infrastructure Information (CEII) approval
 2. Non-Disclosure Agreement (NDA) with PJM



PROMOD Model Development

- MTEP09 PROMOD Futures
 - The 2024 “Environmental” and “Investment Limitation” futures are on a different schedule- not needed for JCSP studies.
 - The 2018 PROMOD models:
 - Uses the same Powerbase database (and is derived from the same powerflow source) as the 2024 model.
 - Will require some MISO work & checking/refinement.
 - 2018 cases (Ref. & Investment Limitation) needed for the Regional Generation Outlet Study (RGOS)
 - MISO to include DOE detailed hourly wind profiles.
 - MISO RGOS 2018 PROMOD cases expected in August



PROMOD Model Development

- MTEP09 PROMOD Futures
 - The 2013 PROMOD models:
 - Uses a different Powerbase database (and different powerflow source) than the 2018 & 2024 models.
 - Powerflow case under development by MISO—completion scheduled end of June.
 - PROMOD will probably require a lot of MISO mapping work & checking/refinement.
 - MISO to include DOE detailed hourly wind profiles.
 - MISO 2013 cases possibly available in August



PROMOD Model Development

- ATC Model Development & Analyses
 - Anticipated MISO models being available sooner
 - Plan to meet with MISO modelers to determine what MISO Futures Models (and years) are likely to be available and when so ATC can post final modeling results by Nov. 15
 - ATC may have to adjust the scope of our analysis and/or assist MISO with its model preparation work



Questions?