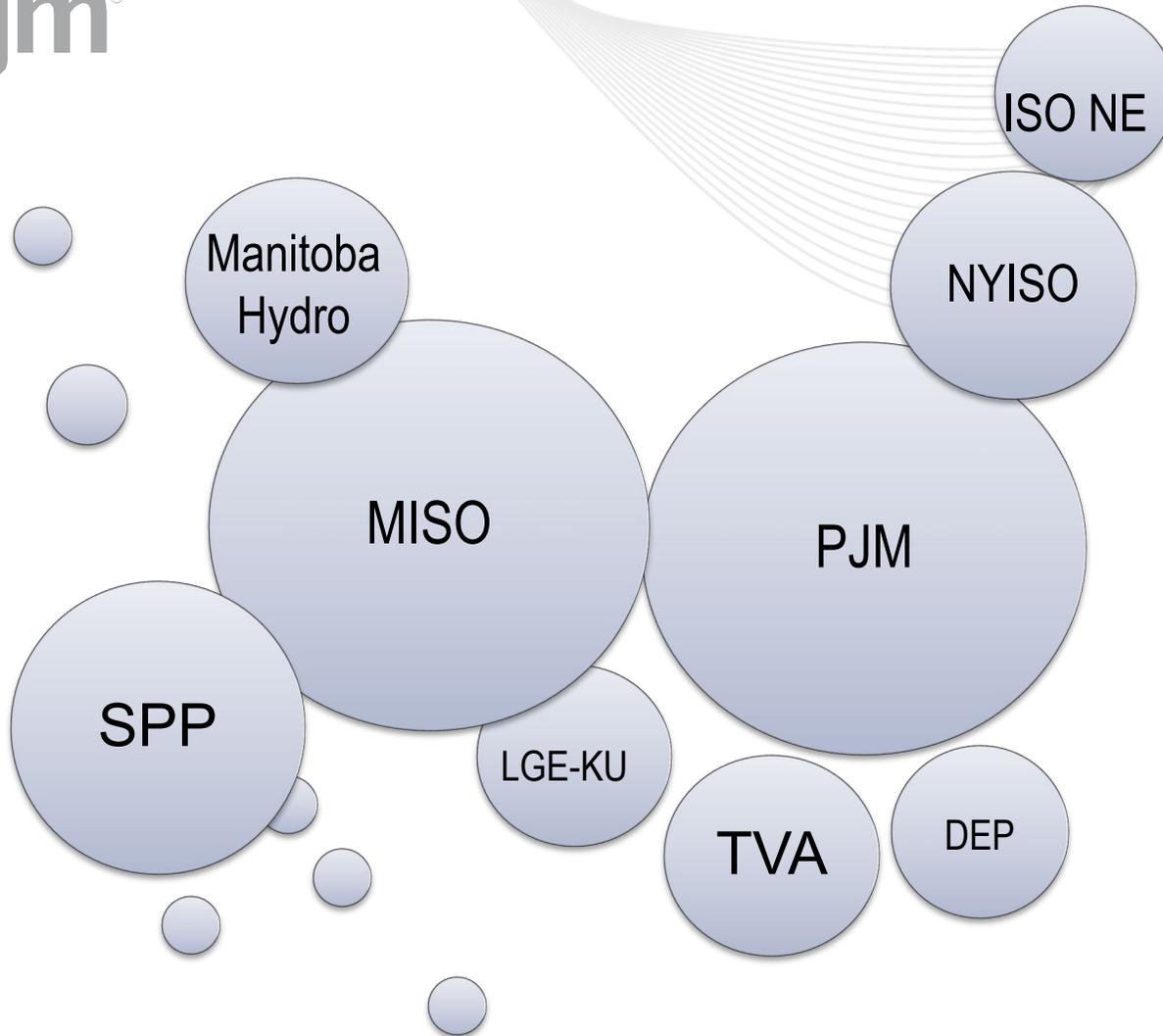




Interregional Coordination Update

Tim Horgler
Director, Energy Market Operations
Members Committee
May 3, 2021



PJM has multiple interregional agreements and groups focused on the following key areas

- **Markets**
- **Planning**
- **Reliability/Operations**

MISO

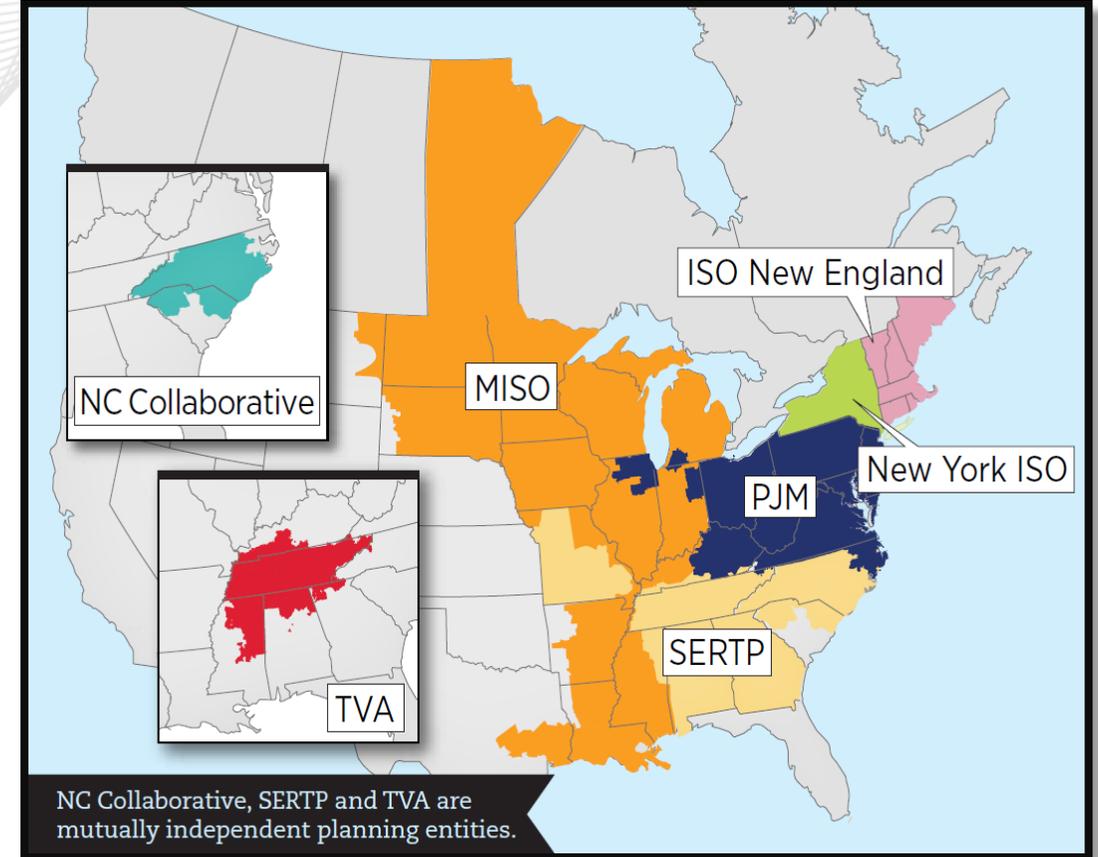
- PJM-MISO Joint Operating Agreement

NYISO & ISO NE

- PJM-NYISO Joint Operating Agreement
- Planning Northeastern ISO/RTO Planning Coordination Protocol

Non-Market Entities

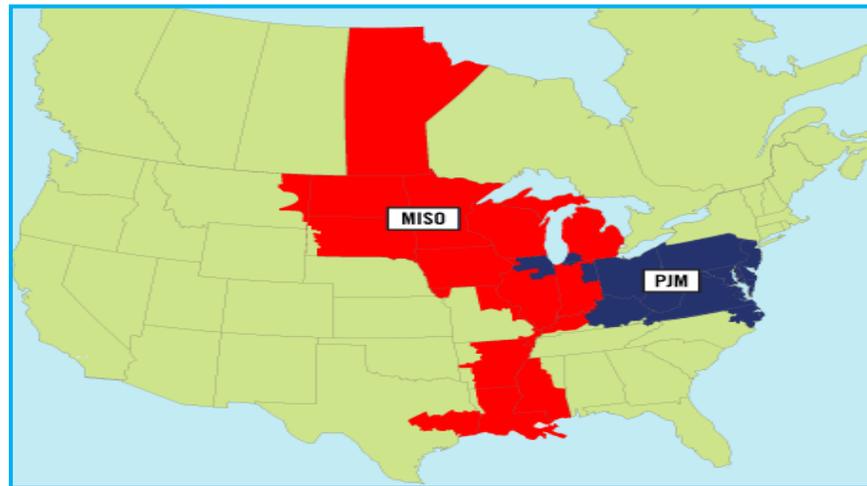
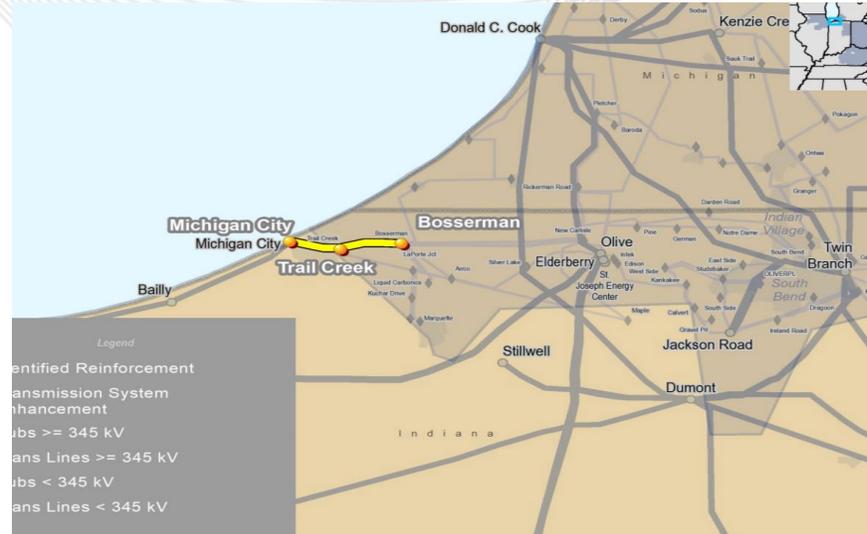
- Markets Congestion Management Agreement (MISO, SPP, TVA, Manitoba Hydro, LGE-KU)
- Joint Reliability Coordination Agreement (TVA)
- PJM-Duke Energy Progress Joint Operating Agreement
- PJM-VACAR South Reliability Coordination Agreement



Planning Update

Interregional Projects:

- Michigan City to Trail Creek to Bosserman 138kV approved by PJM board in December 2019 and MISO board in September 2020 for Market Efficiency. ISD on 12/30/2022 with \$1.4 million. expected annual congestion savings.
- Interregional Market Efficiency Project study will not be conducted in 2021 because no interregional constraints were identified
- Targeted Market Efficiency Project Study (TMEP) will not be conducted in 2021 to provide time to access planned upgrades.
- Interregional Reliability Project(s) may be studied in 2021 if potentially appropriate constraints are identified



Markets Update

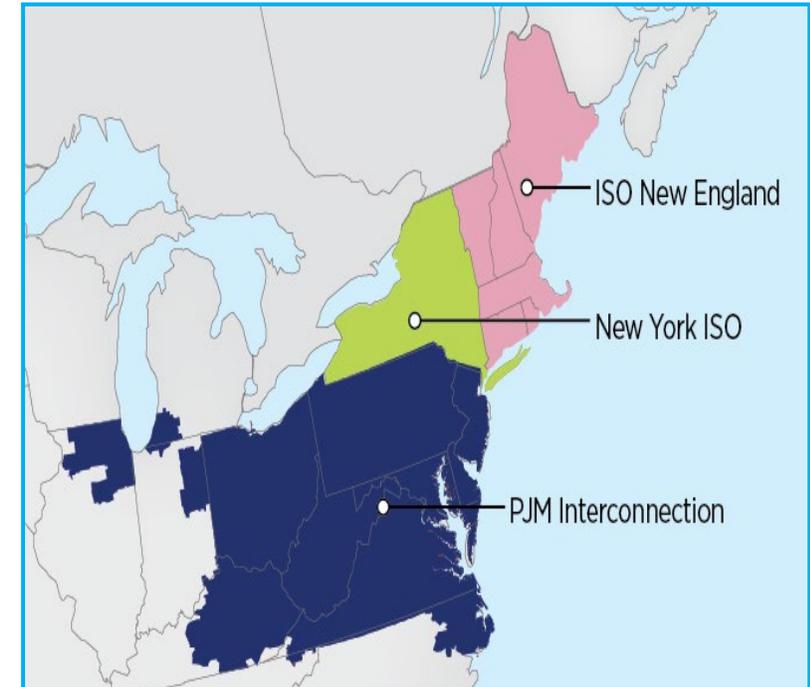
Firm Flow Entitlement:

- Firm Flow Entitlement (FFE) represents the allowable firm usage on transmission facilities in external areas before financial compensation is required.
- The multi-party CMPWG agreed on updates to the calculation of FFEs to better align with planning for firm flows on the system.
- Expected FERC File in May 2020 and tentative implementation on June 2022.

2020-2021 Interregional Planning Activities

IPSAC (Inter-Regional Planning Stakeholder Advisory Committee)

- JIPC (Joint ISO/RTO Planning Committee) requested IPSAC input on potential interregional transmission projects and interregional coordination needs
 - IPSAC in the process of reviewing respective regional needs and solutions to identify opportunities for interregional transmission projects
 - Next Meeting on June 4, 2021



PJM-TVA JRCA Updates: PJM and TVA continue to review of the Joint Reliability Coordination Agreement (JRCA), which includes a general review of the JRCA and updates to the Planning section. PJM and TVA are also including LGE-KU in the JRCA.





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Interregional Coordination Update

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