

# MISO – PJM Joint and Common Market Cross Border Transmission Planning

August 22, 2017

- Targeted Market Efficiency Projects
- 2-Year Coordinated System Plan Study
- FERC EL13-88 'NIPSCO' Docket

# Targeted Market Efficiency Projects (TMEPs)

- Targeted Market Efficiency Project (TMEP) JOA edits filed December 30, 2016
  - Defines study process, benefits, and interregional split of benefits
- PJM regional cost allocation filed April 10, 2017
  - Allocation based on congestion contribution of load on the historical M2M congestion
- MISO regional cost allocation filed August 4, 2017
  - Similar methodology as PJM with minimum allocation cutoffs

- Includes MISO Tariff Attachment FF and FF-6 changes
- Regional TMEP cost allocation methodology is appropriate now but MISO will work through the RECBWG for a methodology to apply after the end of MISO South's transition period (end of 2018)
- MISO and TOs to address cost recovery and rate schedules in separate filing expected later this year

- MISO, PJM, TOs, and other interested parties attended June 13, 2017 FERC TMEP Workshop
- Informational forum to allow FERC to understand more about the new TMEP project type
- RTOs received valuable feedback

- JOA language accepted and effective, subject to further FERC action
- FERC quorum now restored
- RTOs consider analysis complete and recommendations final
- Waiting on JOA and Tariff approval before submitting to Boards at first opportunity
  - Five RTO-recommended TMEPs
- No annual 2017 TMEP study

Facility	Transmission Owner(s)	TMEP Cost (Million \$)	TMEP Benefit (Million \$)	Benefit Allocation (%PJM/%MISO)
Burnham - Munster 345kV	CE - NIPS	7	32	88/12
Bayshore - Monroe 345kV	ATSI - ITC	1	17	89/11
Michigan City - Bosserman 138kV	NIPS - AEP	4.6	29.6	90/10
Reynolds - Magnetation 138kV	NIPS	0.15	14.5	41/59
Roxana - Praxair 138kV	NIPS	4.5	6.5	24/76
<b>Total</b>		<b>17.25</b>	<b>99.6</b>	<b>71/29</b>



# 2-Year Coordinated System Plan Study

- Interregional project solicitation ended February 28, 2017
  - 8 proposals received for 3 flowgates
    - \$354 Million (\$1M – \$167M)
    - 2 joint
    - 5 greenfield
    - 3 upgrades to existing facilities
    - 6 entity proposers
- Project verification and case updates completed
- Evaluation of RTO regional benefits completed (shown on next slide)

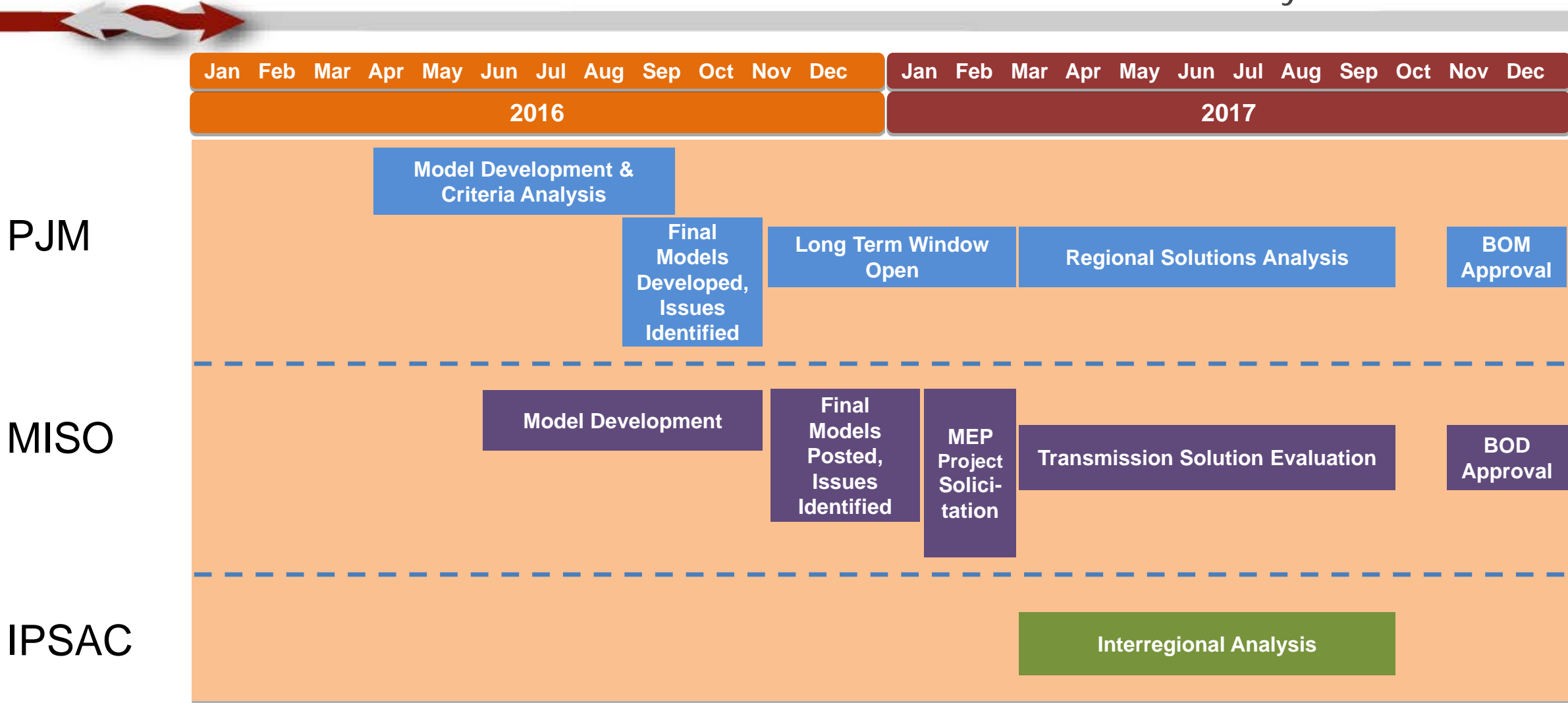
# Summary of Interregional MEP Proposals

Project ID	Proposing Entity	Project Description	Targeted Issue(s)	In-Service Cost (\$M)	In-Service Date
1A	WPPI	Olive – New Carlisle 138 kV, Circuit 2	Olive – Bosserman 138 kV	2.5	2019
9A	NIPSCO	Olive – Bosserman – New Carlisle 138 kV, Reconductor	Olive – Bosserman 138 kV	8	2019
9B	NIPSCO	Thayer – Morrison 138 kV, New Line	Goodland – Reynolds 138 kV (MISO) and Paxton – Gifford 138 kV (PJM)	42.5	2022
10B	Nextera	Rolling Prairie 345/138 kV, New Substation	Olive – Bosserman 138 kV	19.2	2021
12D	AEP/NIPSCO	Michigan City – Trail Creek – Bosserman, Rebuild	Olive – Bosserman 138 kV	17	2021
13H	Transource	York – Coyote 345 kV, New Line and Substations	Batesville – Hubble 138 kV (MISO) and Tanners Creek – Miami Fort 345 kV (PJM)	71.9	2021
17B	AEP/Exelon	Meadow Lake – Pike Creek 345 kV, New Double Circuit Line and Substation	Olive – Bosserman 138 kV and RPM Benefits (PJM)	198	2021
18S	Northeast TD	Coffee Creek 345/138 kV, New Substation	Olive – Bosserman 138 kV	17.4	2021

Project ID	Proposing Entity	In-Service Cost (\$M)	PJM Benefit (\$M)	MISO Benefit (\$M)
1A	WPPI	2.5	0.6	0
9A	NIPSCO	8	0	0
9B	NIPSCO	42.5	7.3	75
10B	Nextera	19.2	7.2	0
12D	AEP/NIPSCO	17	16.1	0
13H	Transource	71.9	27.1	0
17B	AEP/Exelon	198	78.7	18
18S	Northeast TD	17.4	12.8	2

- Determine project cost split between RTOs (share of combined regional benefits) and evaluate regional benefit-to-cost ratios
- Fall: Identify best regional and/or interregional projects
- November/December: Recommendation to respective boards

# 2-Year Study Timeline



# FERC Order EL13-88 ('NIPSCO') Docket

- MISO and PJM submitted the last round of compliance directives on April 24, 2017
- FERC approved the filing on August 1, 2017
- Only outstanding compliance directive is MISO's regional cost allocation of sub-345 kV Interregional MEPs
  - Due by October 31, 2018



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