



MISO PJM IPSAC

January 12, 2018

- TMEP Approval
- Annual Issues Review Notice
- Potential JOA Changes
- IPSAC Work Schedule

TMEP Approval

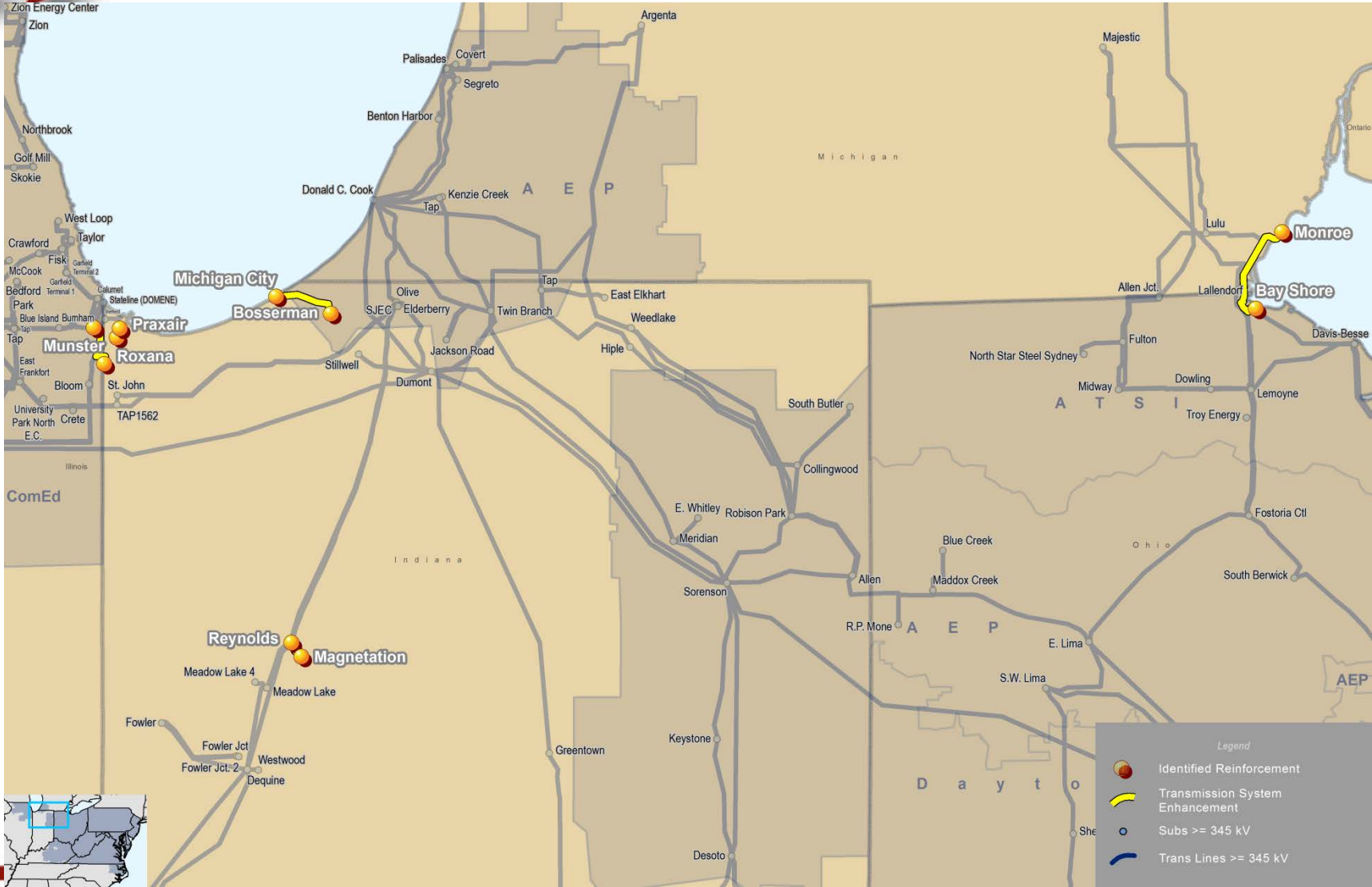
- 50 M2M flowgates investigated
- 13 potential upgrades evaluated
- 5 projects recommended
 - \$ 59 Million in historical congestion (2014 + 2015)
 - \$ 99.6 Million TMEP Benefit
 - \$ 20 Million total Cost
 - 5.0 average B/C ratio

- FERC accepted JOA changes and regional cost allocation to implement TMEPs in October
- PJM & MISO each brought the 5 recommended TMEPs to their respective boards the first week of December
- Both Boards approved all 5 projects
- The projects are now part of the MTEP and/or RTEP portfolios

Summary of Approved TMEPs

Facility	Transmission Owner	PJM Project ID	MISO Project ID	TMEP Cost (Million \$)	TMEP Benefit (Million \$)	Benefit Allocation (%PJM/%MISO)
Burnham - Munster 345kV	CE - NIPS	b2971	14264	6.7	32	88/12
Bayshore - Monroe 345kV	ATSI - ITC	b2972	14265	1	17	89/11
Michigan City – Bosserman 138kV	NIPS - AEP	b2973	14266	6.0	29.6	90/10
Reynolds-Magnetation 138kV	NIPS	b2974	14267	0.12	14.5	41/59
Roxana - Praxair 138kV	NIPS	b2975	14268	6.1	6.5	24/76

Location of Approved TMEPs



Annual Issues Review Notice

- In the 4th quarter, RTOs exchange (completed in December 2017):
 - Regional issues and newly approved projects near the seam
 - New regional issues
 - Interconnection requests under coordination
 - M2M historical congestion
- RTOs jointly review above in January
- Receive Third Party issues in first quarter, but no less than 30 days before Issues Review IPSAC
- Issues Review IPSAC –
 - Held in the first quarter of each year
 - Must provide 60 calendar day notice of scheduled date
 - Stakeholder feedback due 30 days prior to IPSAC
- Within 45 calendar days after the Issues Review IPSAC the JRPC shall determine the need for a Coordinated System Plan study
- JRPC notifies the IPSAC of its decision within 5 business days

- Stakeholder Input Due: February 28th
- Issues Review IPSAC: March 30th
- JRPC notifies IPSAC of CSP study decision: May 18th (at latest)

- PJM and MISO will provide a summary of the data exchanged in the 4th quarter of 2017 at the March 30 Issues Review IPSAC
- Issues and plans have been discussed at regional meetings
- PJM regional issues are presented at monthly [TEAC meetings](#)
- MISO regional issues are presented at triannual [Subregional Planning Meetings](#)

Potential JOA Changes

- EL13-88 (NIPSCO Order) compliance
 - FERC provided specific redline changes
 - Some cleanup required for consistency with these directed changes
- Experience of recent IMEP study
 - Limitations to 5% GLDF test for congestion issues
- NOTE: separate from potential JOA changes, PJM assigned a task force with an Issues Charge which includes clarifying how interregional projects are handled in the regional process


- FERC directed PJM and MISO to make specific redline changes to the JOA as a result of the EL13-88 ruling
 - Removal of interregional B/C (i.e. “third hurdle”)
 - Use of regional benefits as interregional cost split
- ‘Clean Up’ type items were outside the scope of the resulting compliance filing

- JOA makes multiple references to the 'joint planning model'
- The joint model could be developed if agreed by the JRPC, but is not required on an annual basis
- Amend JOA to reference coordinated regional model where applicable

- Using the regional process benefit calculation results in inconsistent number of years used for interregional cost allocation
 - PJM uses 15 years
 - MISO uses 20 years
- § 9.4.4.1.3.1 (a) and § 9.4.4.2.3 could be changed to include the use of the same number of benefit years for each RTO
 - This would not resolve the issue of different regional benefit metrics

- § 9.4.4.1.3.1 (b) references the fixed charge and discount rates applicable to the constructing entity
- With the Order 1000 competitive process the constructing entity may not be known
- Modify JOA to reference the applicable rates used in each regional process

- JOA §9.4.4.1.3 (iii) [IMEPs must meet the following criteria:]
 - “Addresses one or more constraints for which at least one dispatchable generator in the adjacent market has a GLDF of 5% or greater with respect to serving load in that adjacent market, as determined using the Coordinated System Plan power flow model.”
- This materiality test is intended to ensure that projects will provide benefits to the operation of both markets

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- Challenges
 - CSP model does not exist post EL13-88 ruling
 - Not consistent with regional criteria (based on M2M for PJM)
 - No consideration of generator size (is a 5 MW plant significant?)
 - Benefits
 - Easily applied and reproduced
 - Can be applied to future year models

- Remove materiality test completely from JOA – rely only on regional criteria
- Retain 5% GLDF test, pointing to RTEP/MTEP cases
- Point to M2M criteria
 - Targeted flowgate would need to be eligible as an M2M flowgate on current system topology
- Modify or use a selected subset of 5 M2M tests on future topology
 - As written not all tests can be run on a future topology
 - Would allow projects on flowgates which are not currently, but may in the future, be M2M coordinated


- RTOs are requesting stakeholder feedback on the potential JOA revisions discussed in the slides above
 - Please focus comments to the scope discussed in the above slides
 - Additional comments may be considered at a later time
 - Please submit written comments to the contacts at the end of this presentation by **February 2**

- Target having all changes effective for next IMEP process
 - Window opens around November 1, 2018
- To ensure time for FERC action, filing should be made no later than July

IPSAC Work Schedule

- Stakeholder Input Due: February 28th
- Issues Review IPSAC: March 30th
- JRPC notifies IPSAC of CSP study decision: May 18th (at latest)
- Interregional MEP proposal window around November 1

Open Discussion

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