



Inter-regional Planning Update

Transmission Expansion Advisory
Committee

December 14, 2017



- Executive Committee meeting November 28, 2017 (Atlanta) authorization for 2018 work
 - Complete Production Cost Database and verification
 - Frequency response model building, testing and analysis
 - Establish NERC MOD-032-1 “designee” contract and transition
 - First edition of “state of the grid” report
 - \$1.1M budget approved (24% increase)

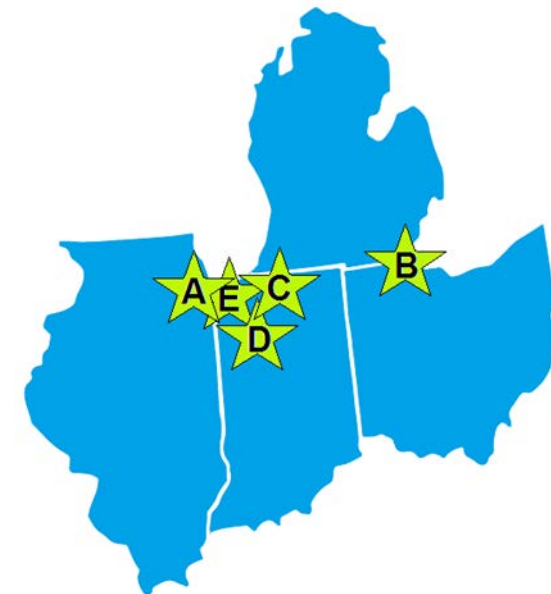
- **PJM-MISO IPSAC** - <http://www.pjm.com/committees-and-groups/stakeholder-meetings/ipsac-midwest.aspx>
 - January 12, 2018 and March 30, 2018 – new planning cycle
- **NE Protocol IPSAC** - <http://www.pjm.com/committees-and-groups/stakeholder-meetings/ipsac-ny-ne.aspx>
 - December 11, 2017 – regional updates, NCSP scope, 2018 work plan
- **SERTP**- regional process: www.southeasternrtp.com
 - 4th Quarter meeting December 12, 2017 – review economic study results
 - Next biennial review – Spring 2018

- IMEP 2016/17 study cycle completed with no approved projects
 - 8 proposals for 3 flowgates
 - \$354 Million (\$1M – \$167M)
 - 2 joint
 - 5 greenfield
 - 3 upgrade to existing facilities
 - 7 entity proposers

 - Next steps
 - Stakeholder input on process
 - Review JOA language cleanup from recent FERC compliance filings
 - Review JOA interregional DFAX criteria
 - Beginning next two-year regional/interregional planning cycle (2018/19)

- 5 TMEP Projects approved by PJM and MISO boards last week
- Study completed in 2016
- FERC approval on October 3, 2017 cleared the way final approvals

Map ID	Facility	TMEP Description	Transmission Owner(s)	Total Cost \$M	TMEP Benefit \$M	Benefit Allocation %PJM/ %MISO
A	Burnham - Munster 345kV	Reconfigure Munster to ring bus	CE - NIPS	6.7	32	88/12
B	Bayshore - Monroe 345kV	Reconductor river span	ATSI - ITC	1.0	17	89/11
C	Michigan City - Bosserman 138kV	Reconductor	NIPS - AEP	6.0	30	90/10
D	Reynolds - Magnetation 138kV	Replace switches at Reynolds	NIPS	0.12	15	41/59
E	Roxana - Praxair 138kV	Reconductor	NIPS	6.1	6.5	24/76
Total				20	100	69/31



- Limited to historically binding M2M flowgates
- Projects are existing equipment upgrades that can be in-service by 3rd summer peak (2020 summer)
- \$20 million cost cap for each
- Benefits = average of 2 historical years of DA + Balancing/ECF congestion
- Four years worth of benefits must completely cover project's installed capital cost
- Interregional cost allocation based on congestion relief in each RTO
 - Adjusted by M2M payments
- Regional cost allocations based on the same planning study that quantified the benefits

DA = Day Ahead, ECF = Excess Congestion Fund (MISO) equivalent to Balancing (PJM)

- V1 – 12/7/2017 – Original Slides Posted