



# Inter-regional Planning Update

Transmission Expansion Advisory Committee

November 8, 2018

- PJM-MISO IPSAC - <http://www.pjm.com/committees-and-groups/stakeholder-meetings/ipsac-midwest.aspx>
  - October 5, 2018 IPSAC
    - Interregional 2016/17 congestion TMEP study results
    - Interregional MEP study – 2018/19
      - Regional studies in progress and on schedule
      - November 1 finalize PJM models, open for proposals (regional and interregional)
    - Cleanup revisions to JOA §9.3 and §9.4 posted with September PC materials

- NE Protocol IPSAC - <http://www.pjm.com/committees-and-groups/stakeholder-meetings/ipsac-ny-ne.aspx>
  - IPSAC completed regional issues and solutions review May 18, 2018 – NCSP posted
    - <http://www.pjm.com/-/media/committees-groups/stakeholder-meetings/ipsac/20170519/20170519-ipsac-planning-cycle.ashx>
  - Preparation for December 10, 2018 IPSAC Agenda
    - Review interregional process
    - Review regional plans and solutions
    - Review interconnection project coordination
    - Stakeholder input
- SERTP- regional process: [www.southeasternrtp.com](http://www.southeasternrtp.com)
  - Biennial interregional review completed May 8, 2018 – Atlanta
  - Next biennial interregional review – spring 2020

- **TVA – LGE/KU JRCA update**
  - PJM and TVA have exchanged update suggestions including
    - Coordinated planning provisions consistent with the Order No. 1000 interregional process
    - Add more detail to existing coordinated planning provisions
    - Expand or clarify existing processes for coordination of Long Term Firm Transmission Service and Balancing Authority integrations
- **IESO study of MISO and NYISO interfaces**
  - In person meeting October 24, 2018
  - PJM monitoring and providing input as needed
  - Target completion Q4 2019
  - PJM objective is knowledge of projected interconnected operations

- EIPC support for NERC EI frequency response review is complete
- State of the Eastern Interconnection released by EC (posted with October TEAC meeting materials)
- Production Cost Eastern Interconnection model
  - Consultant (ABB) nearing completion of engagement to resolve remaining modeling issues and complete EI-model
- NERC discussions for potential Agreement to establish EIPC as “designee” under reliability standard MOD-032-1
  - NERC notified EIPC further discussions on hold until 2019



# Interregional Targeted Market Efficiency Projects

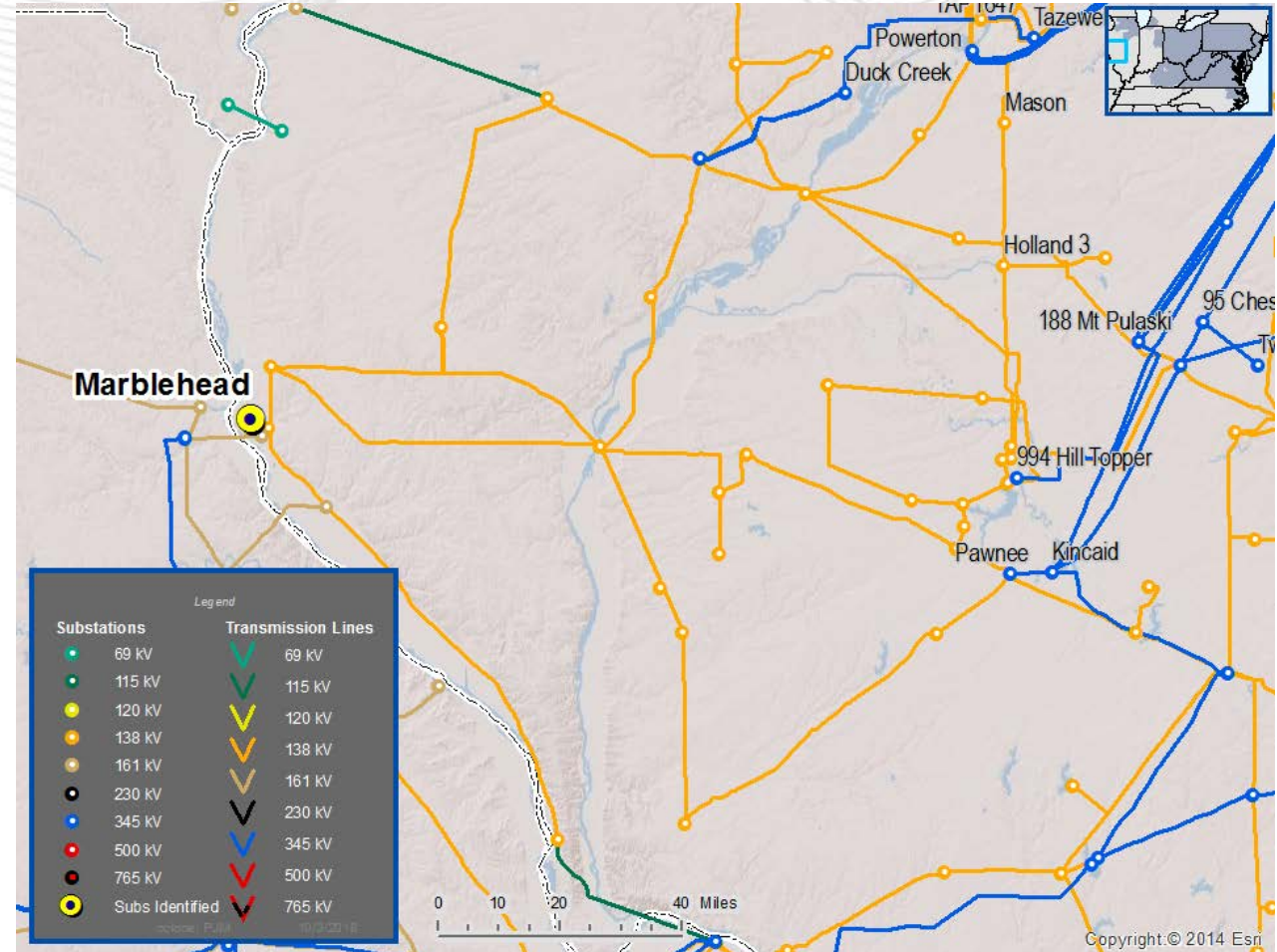
## Study Results

- 61 historically congested M2M flowgates evaluated  
~\$520 million total congestion
- Many driven by outages
- Many have already planned upgrades/system changes
- 2 projects recommended

Full study results were presented at the October 5 PJM/MISO IPSAC

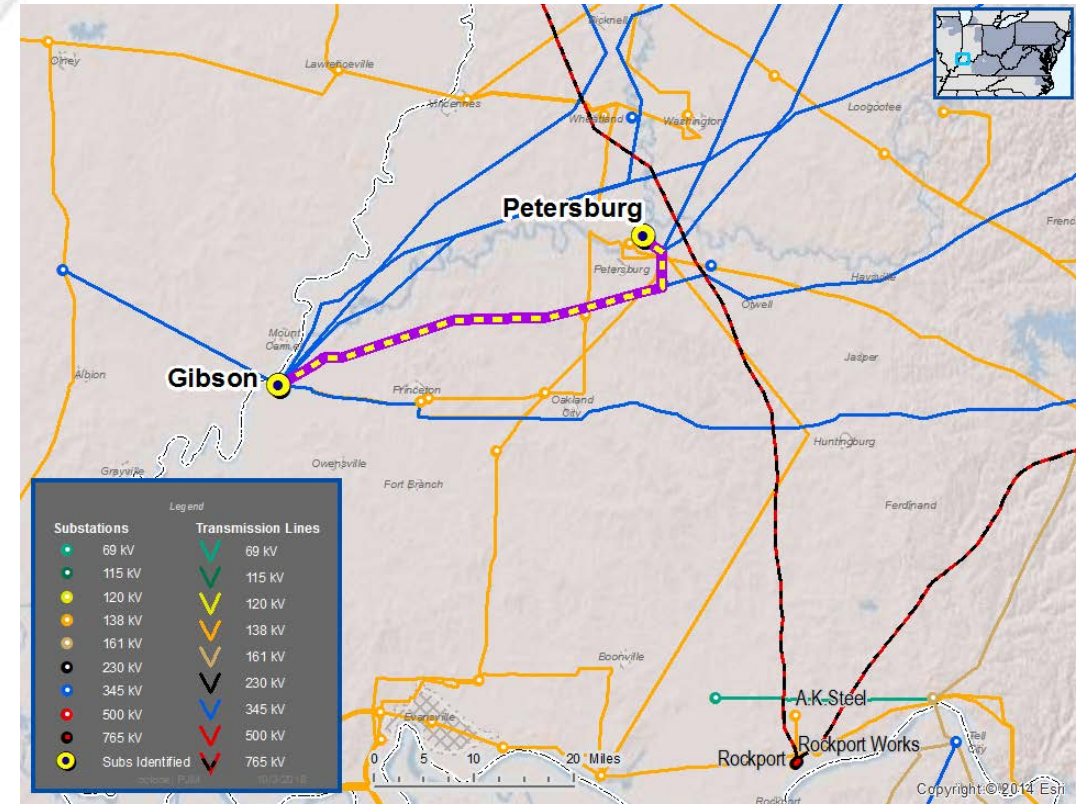
**Flowgate ID(s):** 23418  
**Historical Congestion:** \$ 15.5 million  
**Ownership:** AMIL  
**Outages Impacting:** None Identified  
**Planned Upgrades:** None Identified  
**Current Rating:** 280/287/287/287  
**Upgrade Type:** Terminal equipment  
**Upgraded Rating:** 300/300/300/300  
**Upgrade Cost:** \$ 175 k  
**TMEP Benefit:** \$ 12.4 million  
**Benefit Allocation:** 0% / 100% (PJM/MISO)

Note: No PJM board approval required





**Flowgate ID(s):** 2047, 21530, 22613  
**Historical Congestion:** \$ 9.8 Million  
**Ownership:** DEI – IPL tie  
**Outages Impacting:** None Identified  
**Planned Upgrades:** None Identified  
**Current Rating:** 1195/1195/1195/1195  
**Upgrade Type:** Substation equipment  
**Upgraded Rating:** 1374/1374/1798/1798 MVA  
**Upgrade Cost:** \$4.3 million  
**TMEP Benefit:** \$ 19.5 million  
**Benefit Allocation:** 7% / 93% (PJM/MISO)  
**Upgrade ID:** b3053



- V1 – 11/05/2018 – Original Version Posted to PJM.com