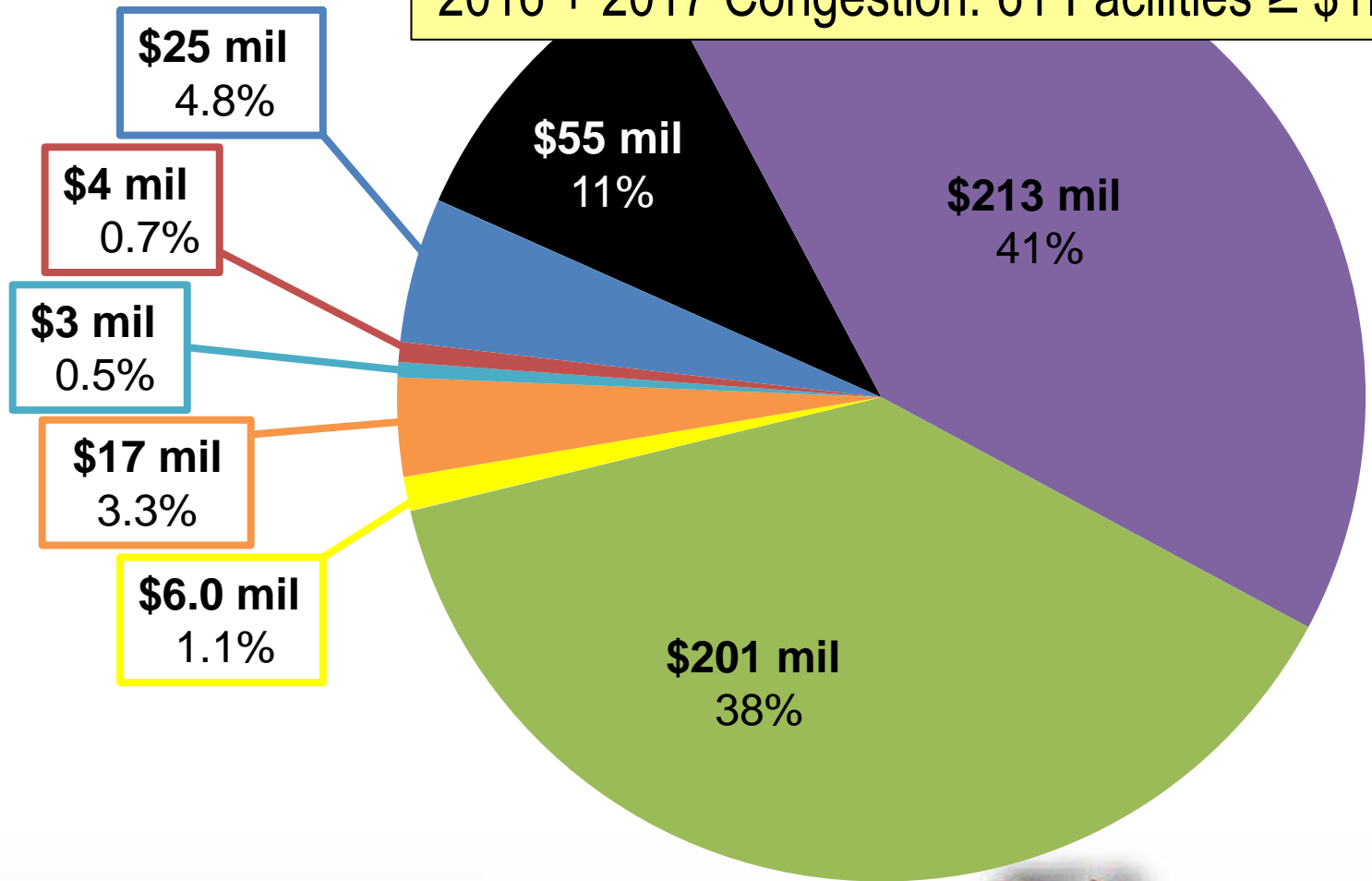


MISO – PJM Joint and Common Market Cross Border Transmission Planning

November 27, 2018

2016 + 2017 Congestion: 61 Facilities \geq \$1M



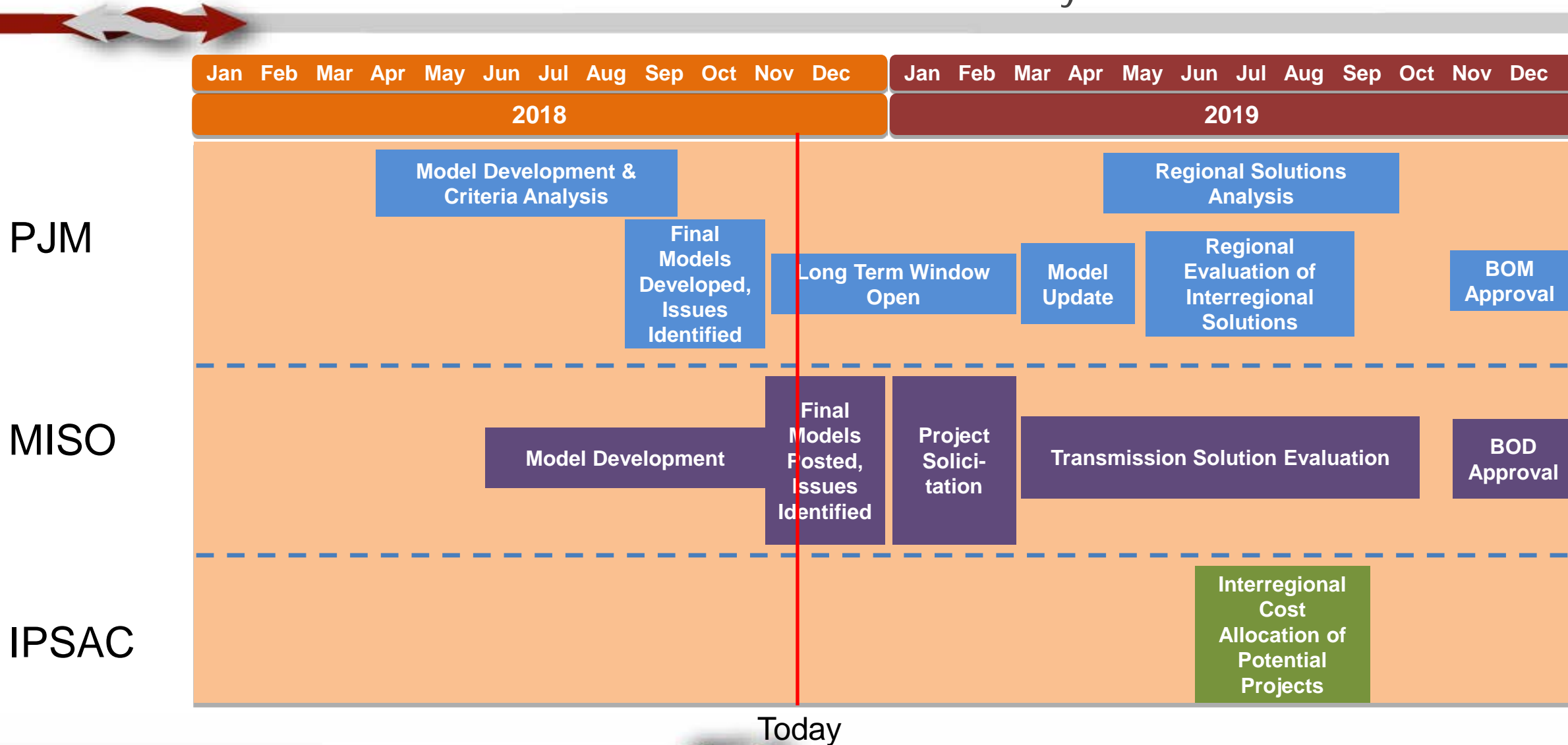
- Approved TMEP Resolves
- Planned Sys Change Resolves
- Outage Driven
- No Persistent Congestion
- Does Not Meet B/C Ratio
- TMEP Effectiveness Uncertain
- TMEP Upgrade Unknown
- TMEP Recommended

M2M Facility	Upgrade	TO(s)	Benefit	Cost	Interregional Cost Split
Marblehead 161/ 138 kV Transformer	Terminal equipment (disconnect switch and bus conductor)	Ameren (IL)	\$12.4M	\$175k	100% MISO
Gibson - Petersburg 345 kV Line	Terminal equipment (switches, breakers, relays, bus work)	Duke/IPL	\$19.5M	\$4.3M	93% MISO/ 7% PJM

- Study conclusions shared at [October 5, 2018 MISO-PJM IPSAC](#)

- Two-year, 2018-2019 IMEP Study
- Regional MEP processes ongoing
 - PJM Long-Term Window Open November 2018 – February 2019
 - MISO Project Solicitation expected January – February 2019
- More information: Regional MEP processes
 - <https://www.pjm.com/committees-and-groups/committees/teac.aspx>
 - <https://www.pjm.com/planning/rtep-development/market-efficiency.aspx>
 - <https://www.misoenergy.org/stakeholder-engagement/committees/subregional-planning-meeting/>
 - <https://www.misoenergy.org/planning/transmission-studies-and-reports/#nt=/report-study-analysis?type:Economic%20Studies>

2018/2019 IMEP Study – Estimated Timeline



- IPSAC meetings discussed suggested cleanup to JOA Sections 9.3 and 9.4
- Teed up discussion, October 2017
- Stakeholder feedback, January 2018
- IPSAC feedback review, March 2018
- Draft redlines, June 2018
- Targeted FERC filing, January 2019
- More information: MISO-PJM IPSAC

<https://www.pjm.com/committees-and-groups/stakeholder-meetings/ipsac-midwest.aspx>

<https://www.misoenergy.org/stakeholder-engagement/committees/interregional-meetings/miso-pjm-ipsac/>

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