

# PJM-MISO IPSAC

November 13, 2020

- Update on Interregional Market Efficiency Project
- PJM Regional Process and Criteria
- MISO Regional Process Update
- Annual Issues Review Notice

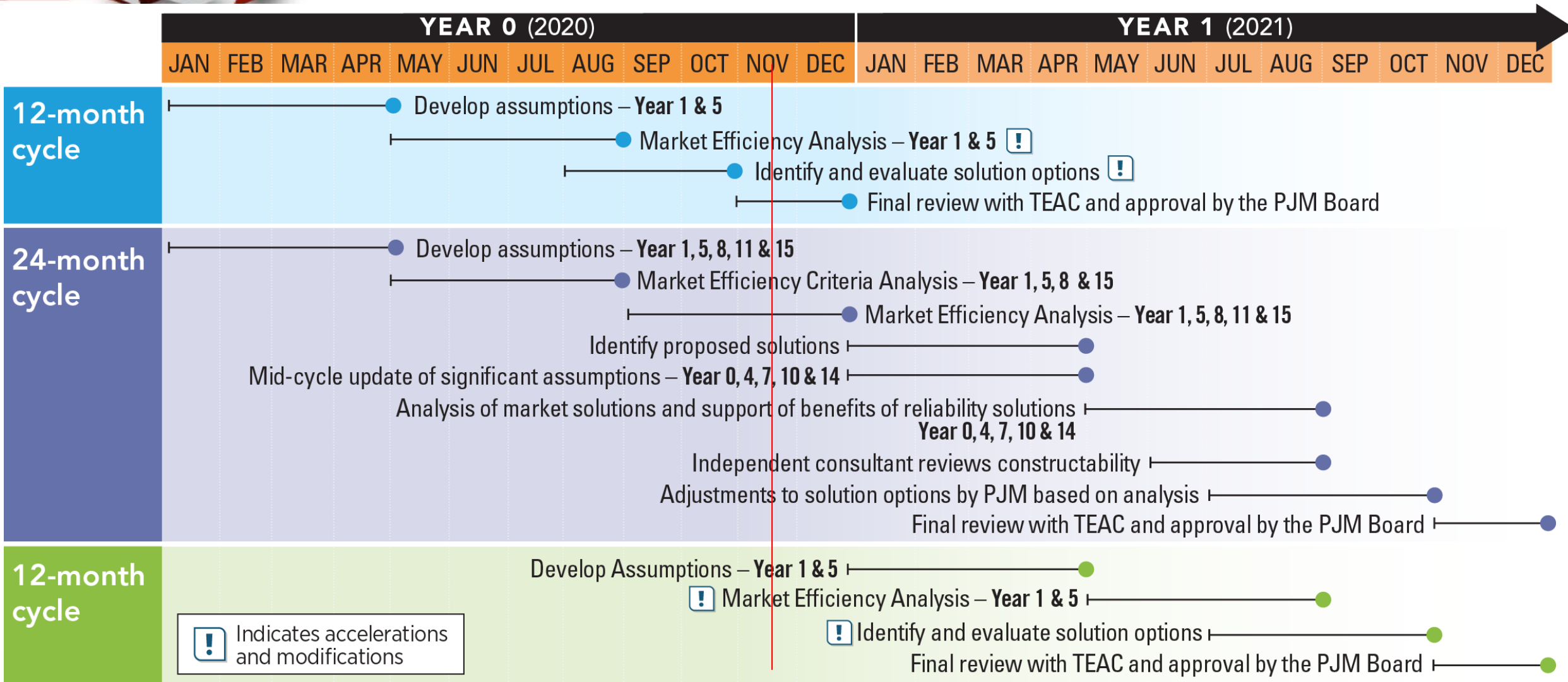


# Update on Interregional Market Efficiency Project

- The PJM Board approved project b3142 (BT-481), the rebuild of Michigan City to Trail Creek to Bosserman 138kV lines, December 3, 2019
  - The approval was conditional on MISO approval of same project
- MISO Project (P18585) approved by MISO Board of Directors on September 17, 2020
  - Project approval was pending the approval of MISO regional cost allocation by FERC, which occurred on July 28, 2020
  - Project Status: **Under Construction**
    - NIPSCO to provide quarterly status reports consistent with MISO Tariff requirements, which will be posted [here](#)

# PJM Regional Process and Criteria

# Market Efficiency Timeline



! Indicates accelerations and modifications

- Market Efficiency Input Assumptions presented at TEAC meetings June through August
  - 20/21 Market Efficiency Analysis Assumptions [whitepaper](#) was shared with the PJM board for consideration at the September Board meeting and posted with the October TEAC materials
- Market Efficiency Training, available [here](#) completed October 20<sup>th</sup>
- Long-Term Window Materials Posting Schedule
  - Retooled PROMOD model to be posted during the month of November (XML format)
    - XML files compatible with PROMOD 11.3
  - ME Window Congestion Drivers, ME Window Base Case, and Sensitivity scenarios to be posted in December, before start of 20/21 Long-Term Window

- Retooled model includes (to-be posted during November)
  - MISO data update
  - Updated PJM Generation Expansion (ISA/FSA status, retirements)
  - Updated topology using the retooled 2025 powerflow from Transmission Planning
    - Also updated PJM line ratings and contingency definitions
  - ABB-Hitachi PROMOD data updates (heat rates, generator outages)
  - Updated PROMOD setup
- Final sensitivity cases to-be posted during November



# PJM Base Case Updated Preliminary Results - 2025 Simulated Congestion\*

Group**	Correlated Historical Constraints***	Congested Area	Type	Historical 2019 Day Ahead Congestion	Historical 2020 Day Ahead Congestion	Simulated 2025 Area Congestion*
1	Harwood to Susquehanna #1 230 kV	PPL	Line	\$ 4,587,972	\$ 16,157,914	Yes
1	Harwood to Susquehanna #2 230 kV	(Susq. Group)	Line	\$ 1,466,849	\$ 3,290,309	
2	Cumberland to Juniata 230 kV	PPL (Juniata group)	Line	\$ 3,516,896	\$ 6,368,984	Yes
2	Dauphin to Juniata 230 kV		Line	\$ -	\$ 472,479	
2	Juniata #1 500/230 kV		XFRM	\$ -	\$ 46,886	
2	Juniata #2 500/230 kV		XFRM	\$ -	\$ 2,836,659	
3	Plymouth Meeting to Whitpain #3 230 kV	PECO	Line	\$ 1,572,531	\$ 3,104,181	Yes
3	Plymouth Meeting to Whitpain #4 230 kV		Line	\$ 938,713	\$ 654,931	
4	Cherry Run to Morgan 138 kV	APS	Line	\$ 883,588	\$ -	Yes
4	Jct. to French's Mill 138 kV		Line	\$ 116,952	\$ 345,506	
4	Gore to Stonewall 138 kV		Line	\$ 818,902	\$ 177,599	
4	Messick Road to Morgan 138 kV		Line	\$ 263,290	\$ -	
4	Messick Road to Ridgeley 138 kV		Line	\$ 1,704,272	\$ 462,027	
5	Kammer North (Bus 1 & 3) to Natrium 138 kV		AEP	Line	\$ 178,984	
6	Quad Cities to Rock Creek 345 kV	CE-ALTW	M2M	\$ 896,048	\$ 427,688	Yes
7	Muskingum River to Beverly 345 kV	AEP	Line	\$ -	\$ -	Yes
8	Muskingum River to Waterford 345 kV	AEP	Line	\$ -	\$ -	Yes

\*Preliminary results, not final congestion drivers. List of constraints and congested areas may change in the final base case.

\*\*Table identifies correlated historical constraints with 2025 PROMOD simulated congestion in the same area/group.

## In determining eligible congestion drivers PJM considers

- All binding flowgates internal to the PJM footprint (including tie lines)
- Current active Market-to-Market flowgates (NERC book of flowgates)
- Potential future Market-to-Market flowgates between PJM and MISO

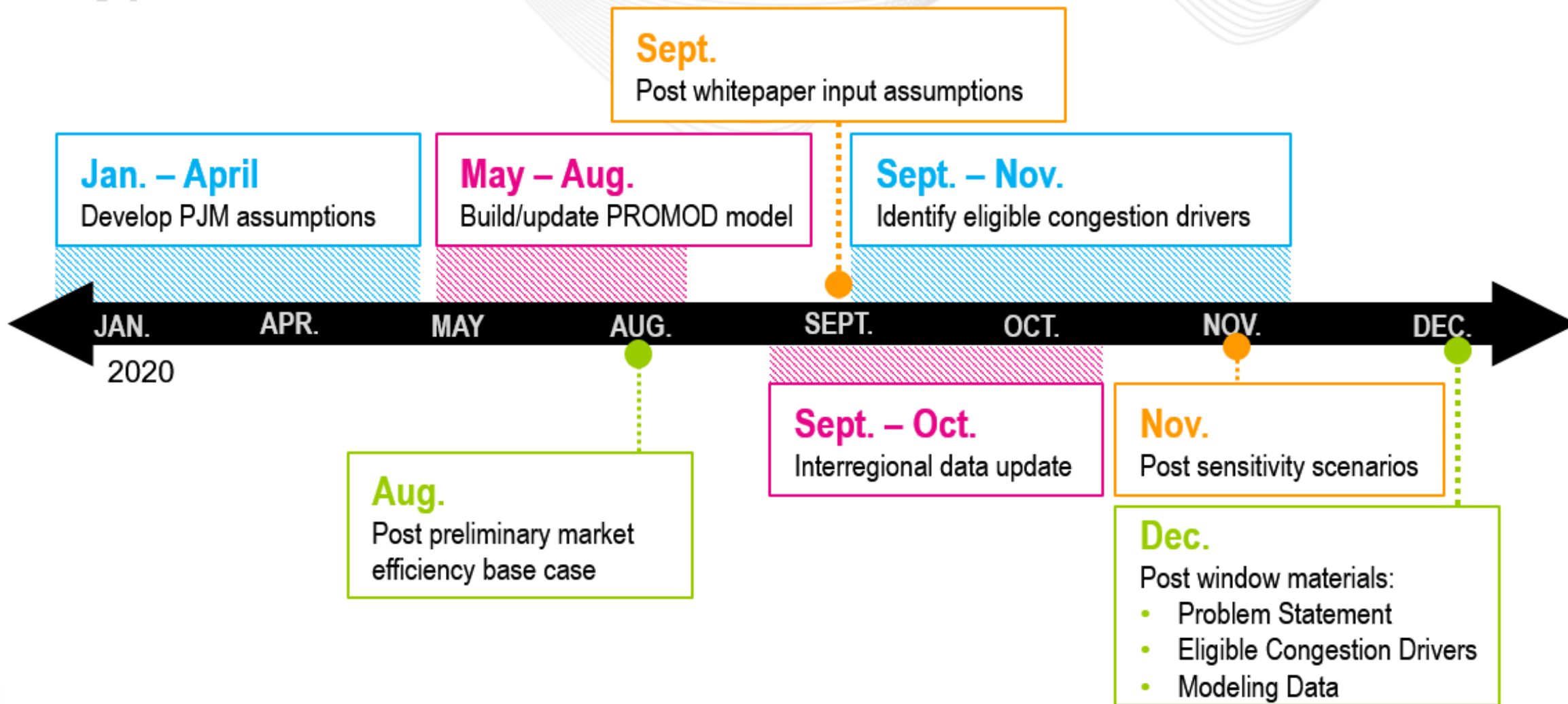
## Eligible congestion drivers

- Selected to focus proposals on significant issues
- Identified coincident with the opening of market efficiency proposal window

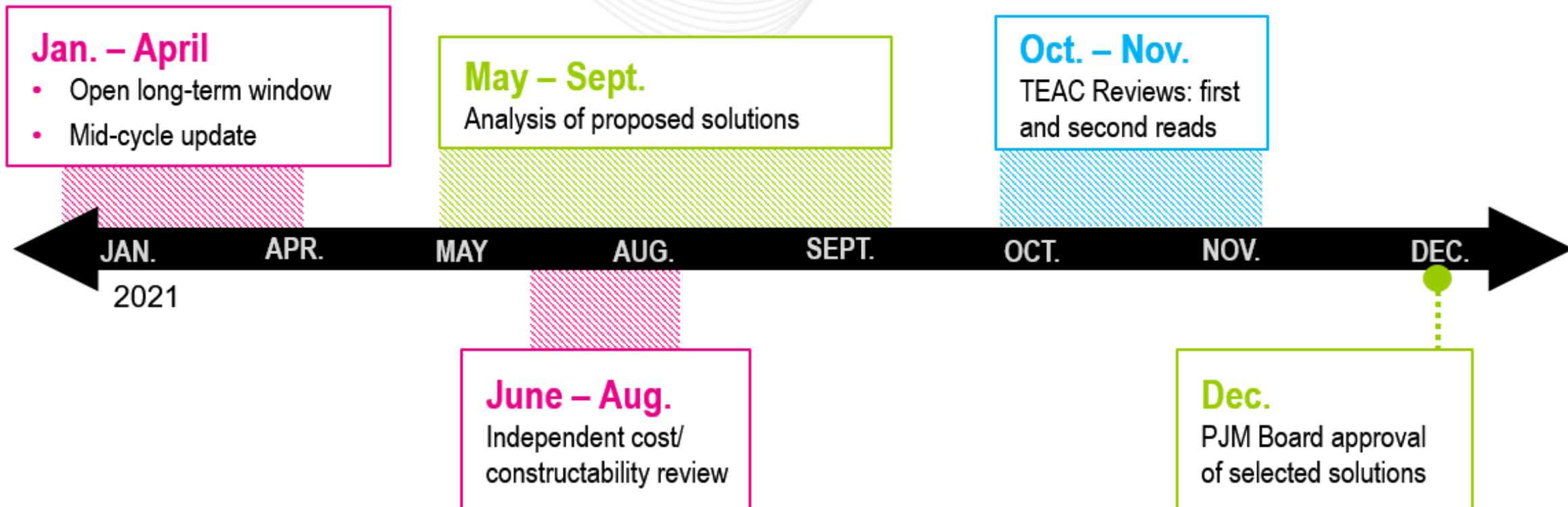
## Proposals must address at least one identified congestion driver

- If the proposal does not substantially address an identified congestion driver, or is otherwise substantially deficient or is seriously flawed, it will be rejected and the proposer will be notified

# 2020/21 Long-Term Window Schedule (Year 2020)



# 2020/21 Long-Term Window Schedule (Year 2021)



## PJM Market Efficiency RTEP Window Registration

- Per PJM - MISO JOA, Interregional Proposals must be submitted to both PJM and MISO Regional Windows
- Register for the 2020/21 RTEP Market Efficiency Window at <http://www.pjm.com/planning/competitive-planning-process.aspx>
  - In the CEII Request form write “Access to the 2020-21 Long Term RTEP Window” as the description of the information requested.
  - Register for the PJM Competitive Planner Tool
- Everyone must register to access the data regardless of prior participation in the PJM Competitive Process.
- Long-Term Market Efficiency Window opens January 2021


# MISO Regional Process Status Update

- MISO future resource expansion and siting process completed in early November
  - Details presented at MISO [November 11 PAC](#)
- MTEP21 economic models are under development
  - Expected completion in Q1 2021
- No regional Market Congestion Planning Study (MCPS) scheduled for MTEP21
  - MISO will use MTEP21 models to determine top congestion issues for the PJM seam

# Notice of Annual Issues Review



- In the 4th quarter, RTOs exchange planning information (to be completed in December 2020):
  - Regional issues and newly approved projects near the seam
  - New regional issues
  - M2M historical congestion
- RTOs to jointly review above in February 2021
- 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



Annual Issues Review (including stakeholder feedback) provides basis for JRPC to determine Coordinated System Plan (CSP) study needs

CSP studies could include:

- Interregional Market Efficiency Project (IMEP)
- Targeted Market Efficiency Project (TMEP)
- Interregional Reliability Project (IRP)
- Public Policy
- Ad Hoc studies

- The 2021 Annual Issues Review IPSAC meeting is scheduled for **February 26, 2021**
- MISO and PJM will review and solicit stakeholder feedback at the meeting
  - Regional issues & solutions
  - 3<sup>rd</sup> party issues
- Issues and plans will be/have been discussed at regional meetings
  - PJM issues presented at [TEAC meetings](#)
  - MISO issues presented at [Subregional Planning Meetings](#) (SPMs)

- 3<sup>rd</sup> parties may submit input to the Annual Issues Review process
- MISO and PJM will send an email request to their respective planning distribution lists, or you may contact the email addresses below
- Feedback is required by COB January 27, 2021 (30 days prior to IPSAC meeting) to both MISO and PJM
  - PJM: [inter.regional.planning.team@pjm.com](mailto:inter.regional.planning.team@pjm.com)
  - MISO: [EP@misoenergy.org](mailto:EP@misoenergy.org)

- Stakeholder input due: January 27, 2021
- Annual Issues Review IPSAC: February 26, 2021
- JRPC notifies IPSAC of CSP study determination: April 12, 2021 (at latest)

# Open Discussion

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