

PJM-MISO IPSAC

November 8, 2021

- PJM Regional Process and Criteria
- MISO Regional Process Update
- Annual Issues Review Notice



PJM Regional Process Status Update

- 60-days Window opened on 7/02/2021 and closed on 8/31/2021.
 - For this Window, PJM sought technical solutions, also called proposals, to resolve potential reliability criteria violations on facilities identified in accordance with all applicable planning criteria (PJM, NERC, SERC, RFC, and Local Transmission Owner criteria).
 - 57 total proposals submitted from 10 different entities (21 Greenfield, 36 Upgrades).
 - Cost Estimates: Approximate range from \$600k to \$136M.
 - 577 flowgates were addressed.
- A re-tool of the base case was necessary due to changes which have occurred since the original 2021 RTEP violations were identified.
 - The re-tool has resulted in some changes to results, reducing and eliminating the violations previously identified.
- Analysis currently in progress.

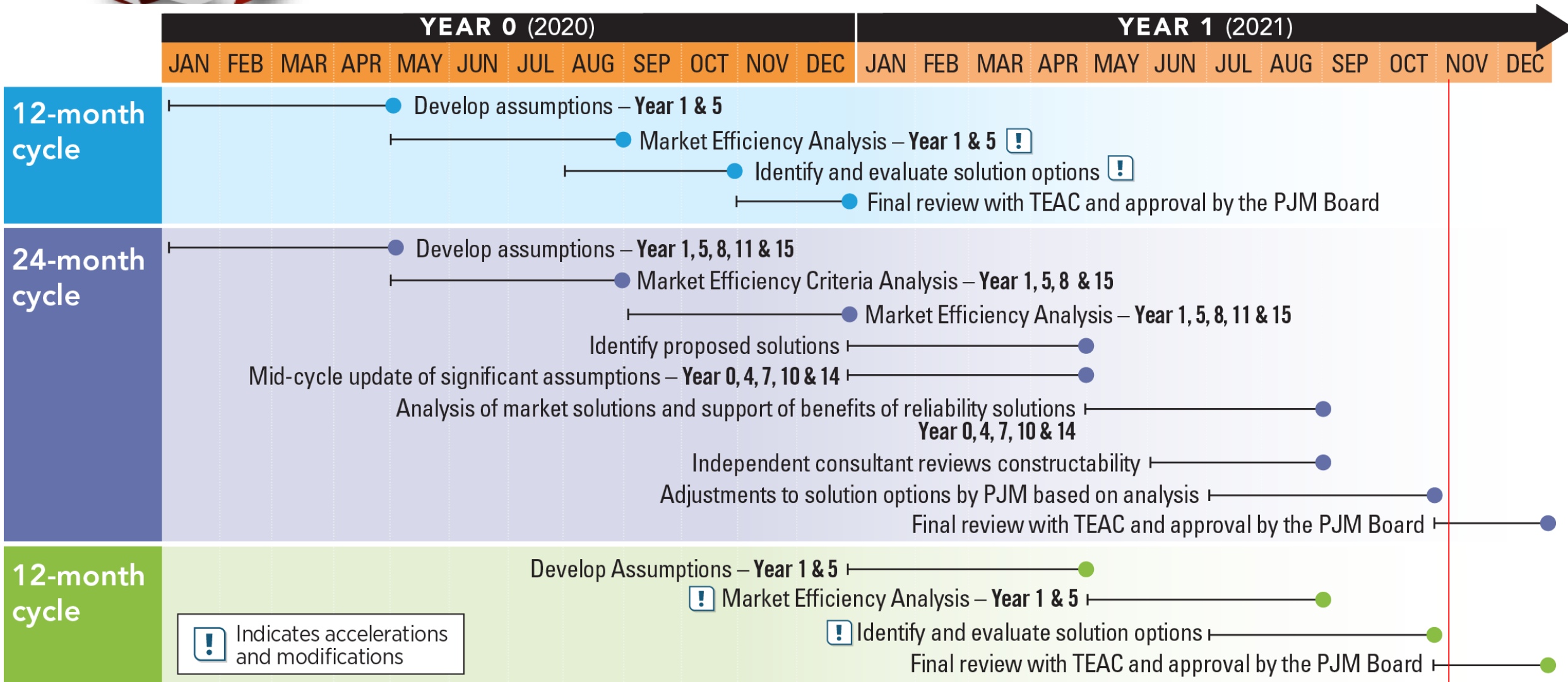
2021 Reliability Window 2 - ComEd Transmission Zone

- As part of a re-tool, PJM evaluated the impacts of recent deactivations requests and deactivations request withdrawals in the 2026 winter case.
 - PJM ran generator deliverability test using the revised 2026 winter case, and the table below shows facilities now overloaded in the updated case:

Fr Bus	Fr Name	To Bus	To Name	CKT	kVs	Areas	ContType	Rate B (MVA)	Rate C (MVA)	Final DC %LD	Final AC %LD	AC Final Flow
274750	CRETE EC ;BP	255112	17STJOHN	1	345	217/222	Single	1557	1772	114.3	118.08	1838.4
270716	DRESDEN ; B	275179	DRESDEN ;1M	1	345/138	222	Breaker	480	530	114.54	117.3	563
275179	DRESDEN ;1M	271337	DRESDEN ; R	1	138	222	Breaker	480	530	114.51	115.13	552.6

- PJM anticipates opening a window to address these issues
 - Start date on November 3, 2021 and close on January 12, 2022.

Market Efficiency Timeline



! Indicates accelerations and modifications


- 2020/21 Long-Term Window 1 (Market Efficiency)
 - Opened on January 11, 2021 and closed on May 11, 2021.
 - 4 congestion drivers posted
 - Cluster No. 1 (APS) - French's Mill to Junction 138 kV
 - Cluster No. 2 (PECO) - Plymouth Meeting to Whippany 230 kV
 - Cluster No. 3 (PPL) - Juniata to Cumberland 230 kV
 - Cluster No. 4 (DOM) - Charlottesville to Proffit 230 kV (also posted as a reliability violation)
 - 24 proposals received from 7 submitting entities (10 greenfield proposals, 14 upgrades).
 - [Redacted Public Proposals for 2020/2021 Long-Term Window](#)
- Results of the final review to be shared with stakeholders at the December TEAC after which a final recommendation will be made to the PJM Board for review and approval.
- New 2022/23 24-month cycle to start January 2022.

MISO Regional Process Status Update

- The 2021 MISO Transmission Expansion Plan (MTEP21) will go before MISO Board of Directors in December 2021 for approval
 - The draft [2021 MTEP report](#) is posted to the MISO public website
- Projects targeting MTEP 2022 are under evaluation and will be discussed at the respective [MISO sub-regional planning meetings](#) beginning in Q1 2022
 - [MTEP22 preliminary project list](#) is posted to the MISO website
 - MTEP22 powerflow models will be available in Q1 2022
- [MISO Long Range Transmission Planning](#) (LRTP) effort will continue into 2022 and beyond

Notice of Annual Issues Review

- In the 4th quarter, RTOs exchange planning information (to be completed in December 2021):
 - Regional issues and newly approved projects near the seam
 - New regional issues
 - M2M historical congestion
- RTOs to jointly review above in January/February 2022
- 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 17, 2022**
- MISO and PJM will review and solicit stakeholder feedback at the meeting
 - Regional issues & solutions
 - 3rd 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)

- 3rd 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 18, 2022** (30 days prior to IPSAC meeting) to both MISO and PJM
 - PJM: inter.regional.planning.team@pjm.com
 - MISO: EP@misoenergy.org

- Stakeholder input due: January 18, 2022
- Annual Issues Review IPSAC: February 17, 2022
- JRPC determines whether to perform a CSP study in 2022: April 3, 2022 (at the latest)
 - JRPC will inform IPSAC within 5 days of the decision

Open Discussion

- Jeffery Goldberg
jeffrey.goldberg@pjm.com
- Nick Dumitriu
nicolae.dumitriu@pjm.com
- Ben Stearney
bstearney@misoenergy.org