Market Simulation Update

Market Simulation

Transmission Expansion Advisory Committee

November 3, 2026

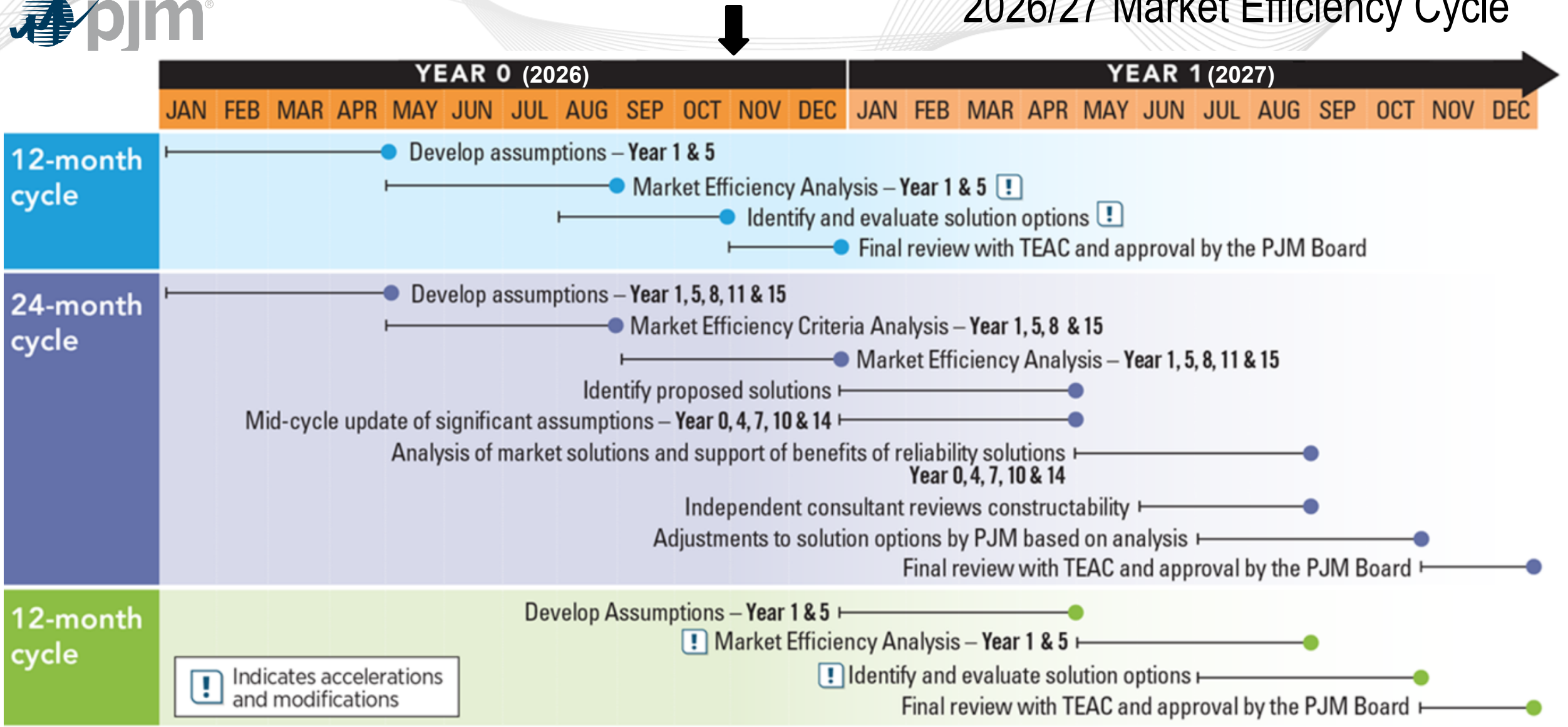
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2026/27 Market Efficiency Cycle

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2026/27 Market Efficiency Preliminary Timeline

Step	Target Date
Posted Preliminary 2031 Base Case	July 2026
Posted Updated Preliminary 2031 & 2034 Base Cases	November 2026
Stakeholders Feedback	August – November 2026
Identify Congestion Drivers	Q4 2026 – Q1 2027
Post Final Base Case and Target Congestion Drivers	Q1 2027
Long Term Proposal Window Opens	Q1 2027
Analysis of Proposed Solutions	Q2 – Q3 2027
TEAC Reviews and Board Approval	Q4 2027

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2026/27 ME Base Case Status and Next Steps

- PJM posted an updated preliminary 2026/2027 ME Base Case database (2031 & 2034 modeled years) on November 2, 2026.
  - Updated ME base case and corresponding congestion report were posted on the ME secure page.

- Market Efficiency Training will be held on Monday, November 16, 2026.
  - Virtual registration

- Next Steps:
  - Update generation expansion as needed to observe PJM reserve requirement.
  - Update interregional data as needed.
  - Create models for years 2027, 2037.
  - Create sensitivities.

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Preliminary Simulated Congestion Summary

- 26 constraints have congestion greater than $1M and binding hours greater than 25 in both 2031 and 2034 preliminary simulations.
  - 10 constraints overlap with 2026W1 reliability violations.
  - Majority of potential congestion drivers are in PJM West.

Region	ME Constraints binding in both 2031 and 2034 (Congestion >$1M, Binding Hours >25)	ME Constraints that overlap with 2026W1 reliability violations
PJM West	15	5
MAAC	4	1
Reactive Interfaces	1	0
DOM	6	4
Total	26	10

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Preliminary Simulated Congestion – PJM West

Constraint*	Area	Simulated 2031 Annual Congestion ($M)	Simulated 2034 Annual Congestion ($M)	M2M Coordinated with MISO	2026W1 Identified Reliability Violation	2024-2026 Historical Congestion
Cherry Valley (B)-Prairie 345 kV	COMED	>$50M	$10M - $50M	Y	Y	Y
Prairie-Silver Lake (R) 345 kV	COMED	>$50M	$1M - $10M	Y	Y	Y
Kewanee-Kewanee (CB) 138 kV	COMED	$10M - $50M	$10M - $50M			Y
W Plano (R)-Plano R 138 kV	COMED	$10M - $50M	$1M - $10M		Y	
Kensington Ave (B)-Kankakee (B) 138 kV	COMED	$1M - $10M	$1M - $10M			
Miller Rd-W Plano (R) 138 kV	COMED	$1M - $10M	$1M - $10M		Y	
Sandwich (R)-Sandwich (B) 138 kV	COMED	$1M - $10M	$1M - $10M		Y	
Crescent Ridge (R)-Corbin 138 kV	COMED-MISO	$1M - $10M	$10M - $50M	Y		Y
Keywood Switching Station-Abingdon 138 kV	AEP	$10M - $50M	$1M - $10M			
Museville-Smith Mountain 138 kV	AEP	$10M - $50M	$10M - $50M			Y
Cook-Olive 345 kV	AEP	$10M - $50M	$10M - $50M	Y		Y
AH1-680 Tap-South Canton 345 kV	FE-ATSI-AEP	$1M - $10M	$10M - $50M			
Tangy-Bellepoint 138 kV	FE-ATSI	$1M - $10M	>$50M			
Leroy Center Q4-Spruce Q-4 138 kV	FE-ATSI	$1M - $10M	$1M - $10M			
Swingle-Reynolds 345 kV	AEP-MISO	$1M - $10M	$10M - $50M			

*Includes prospective PJM and M2M constraints with annual simulated congestion greater than $1M and binding hours greater than 25.

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Preliminary Simulated Congestion – MAAC, DOM

Constraint*	Area	Simulated 2031 Annual Congestion ($M)	Simulated 2034 Annual Congestion ($M)	M2M Coordinated with MISO	2026W1 Identified Reliability Violation	2024-2026 Historical Congestion
Peach Bottom #1 TR 500/230 kV	PECO	$10M - $50M	>$50M			Y
Bennett-Milford 230 kV	DPL	$1M - $10M	$1M - $10M			Y
East Towanda-Canyon 230 kV	PENELEC	$1M - $10M	$10M - $50M		Y	Y
Philipsburg-Shawville 115 kV	PENELEC	$1M - $10M	$1M - $10M			Y
AP South Interface	PJM	>$50M	>$50M			Y
Hendrick-Person 230 kV	DOM-CPLE	$10M - $50M	>$50M			
Waller Solar I-Lancaster 115 kV	DOM	$10M - $50M	$1M - $10M		Y	
Willis Mt-Farmville 115 kV	DOM	$10M - $50M	$10M - $50M		Y	
AB2-161 Tap-Backers Pond Del Pt 115 kV	DOM	$1M - $10M	$10M - $50M		Y	
Gladys Tap-Altavista 69 kV	DOM	$1M - $10M	$1M - $10M		Y	
Farmville #2 TR 230/115 kV	DOM	$1M - $10M	$1M - $10M			

*Includes prospective PJM and M2M constraints with annual simulated congestion greater than $1M and binding hours greater than 25.

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Market Efficiency Update



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Revision History

- V1 – 10/29/2026 – Original slides posted.

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