



Market Efficiency Update

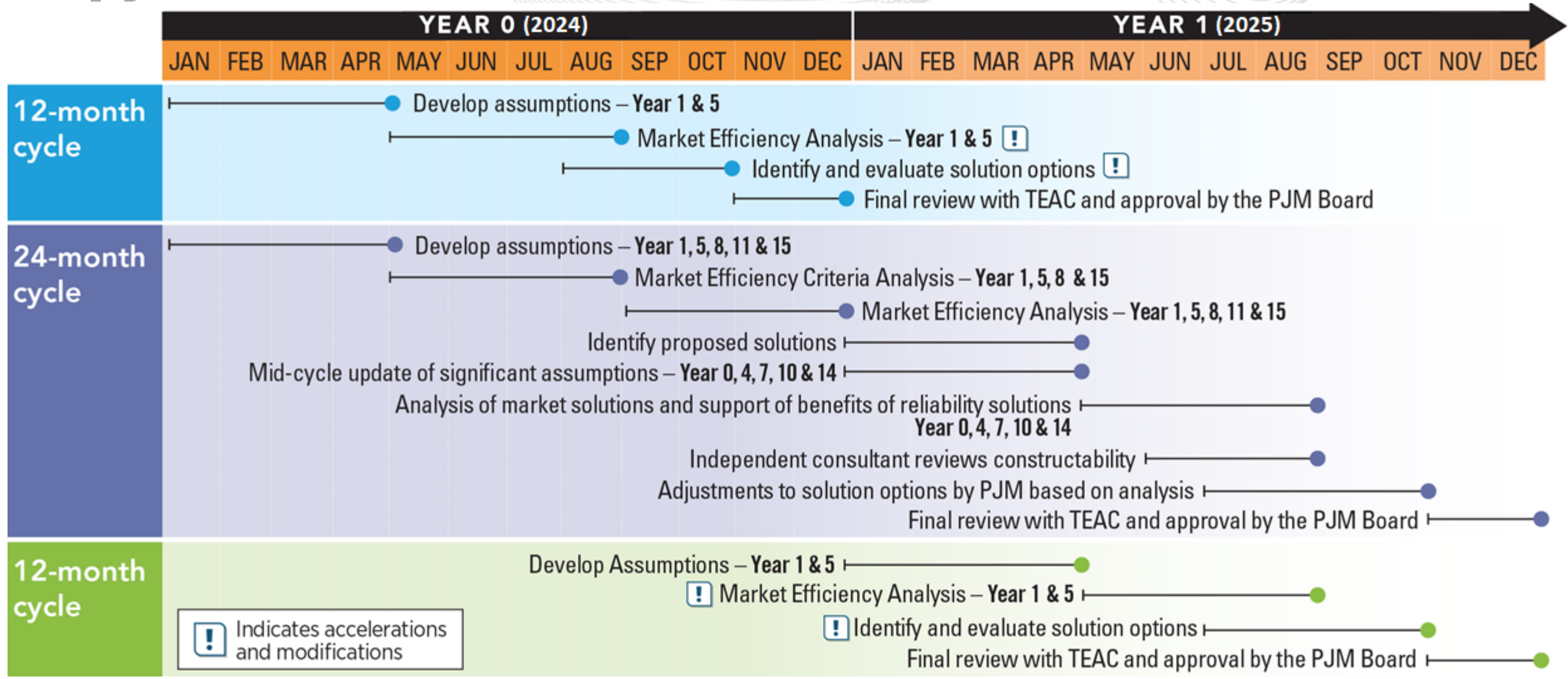
Nick Dumitriu

PJM Market Simulation

Transmission Expansion Advisory Committee

April 2, 2024

2024/25 Market Efficiency Cycle



- In March 2024, PJM posted the starting 2024/2025 ME Base Case database:
 - Topology based on the final 2028 Summer Peak powerflow from the RTEP 2023 18-month Reliability cycle.
 - Includes all RTEP baseline projects approved by the PJM Board up to including the February 2024 meeting.
 - Load forecast from 2024 PJM Load Forecast Report (posted February 2024).
 - Case was posted on the [ME secure page](#).
- This database is the starting point for the 2024/2025 Market Efficiency Cycle and it provides the complete congestion view at the end of the 18-months 2023 RTEP Reliability Cycle.
- PJM currently developing assumptions for the 2024/25 Cycle.



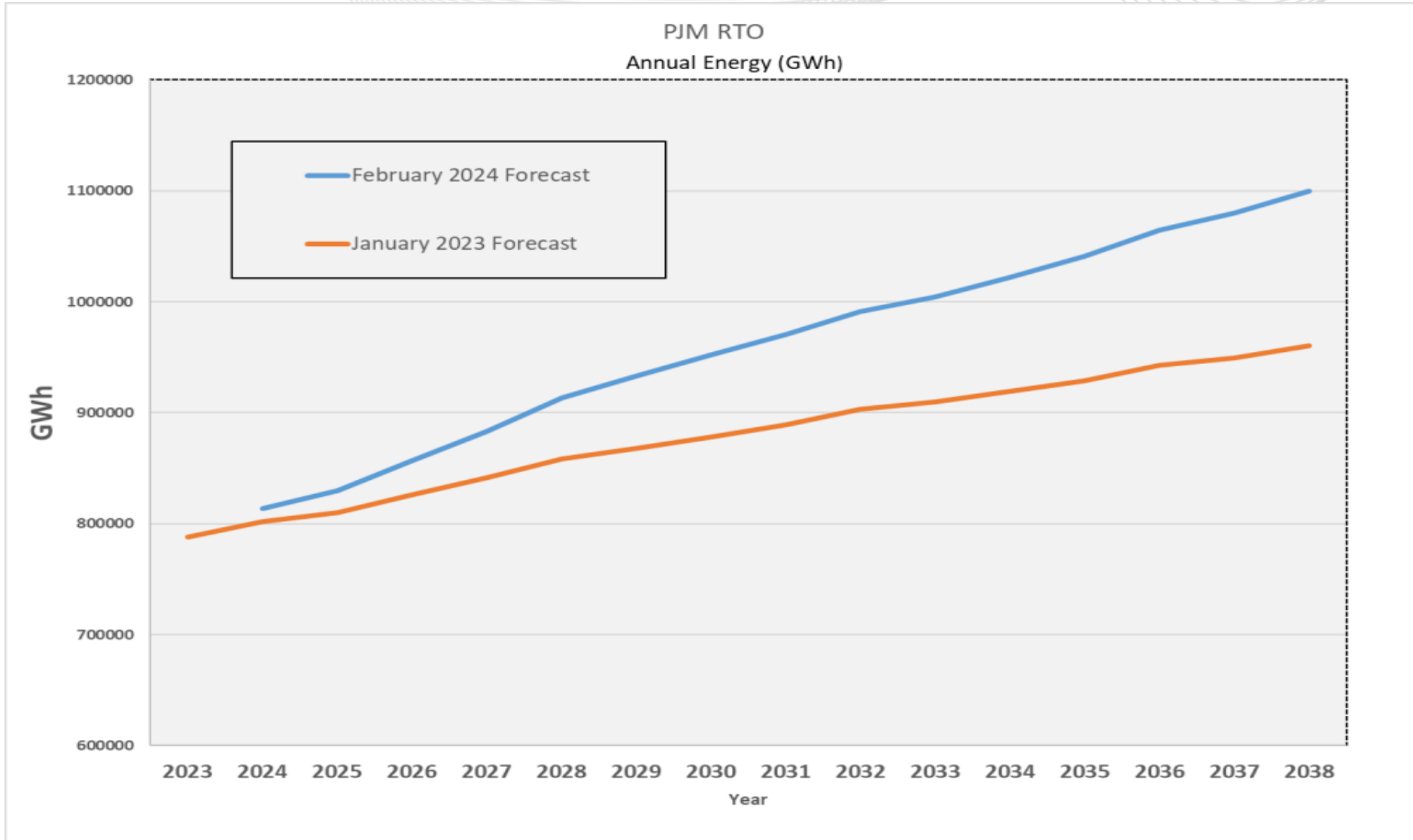
ME Assumptions 2024 PJM Peak Demand/Energy Forecast

PJM Peak Load and Energy Forecast

Load	2025	2029	2032	2035	2039
Peak (MW)	153,493	165,681	172,109	179,622	190,752
Energy (GWh)	829,683	933,146	991,188	1,041,217	1,120,928

Notes: 1.) Peak and energy values from the February 2024 PJM Load Forecast Report Table B-1 and Table E-1, respectively.

2.) Model inputs are at the zonal level. To the extent zonal load shapes create different diversity, modeled PJM peak load may vary.





ME Assumptions 2024 PJM Demand Resource Forecast

PJM Demand Resource Forecast

	2025	2029	2032	2035	2039
Demand Resource (MW)	7,814	8,265	8,500	8,772	9,210

Note: 1.) Values from the February 2024 PJM Load Forecast Report Table B-7.

Facilitator:
McGlynn, Paul
Paul.McGlynn@pjm.com

Secretary:
Tarik Bensala,
Tarik.Bensala@pjm.com

SME/Presenter:
Nicolae Dumitriu,
Nicolae.Dumitriu@pjm.com

Market Efficiency Update



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

- V1 – 3/28/2024 – Original slides posted

**PROTECT THE
POWER GRID
THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

