



# Market Efficiency Update

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# 2022/23 Market Efficiency Cycle

- Study Years
  - 2023, 2027, 2030, 2033, and 2037
- PROMOD database
  - Spring 2022 Data Release from ABB
    - Fuel/Emissions price forecasts from ABB, May 2022 update
  - Load forecast from PJM 2022 Load Forecast Report
  - 2027 Summer Peak load flow case from 2022 RTEP series
  - Generation Expansion consistent with 2022 RTEP Machine List
- Simulations performed using PROMOD IV v11.4 engine

## Market Efficiency topology based on the 2027 Summer Peak RTEP model

PJM topology includes all RTEP upgrades approved through February 2022.

## External world topology

Derived from Multi-Regional Modeling Working Group (MMWG) 2027 Summer powerflow (2021 MMWG Series).

## Reactive Limits

PV Analysis to develop summer and winter MW transfer limits for commercially significant IROL interfaces in PJM.

Modeled interfaces: AEP-DOM, AP South, Black Oak-Bed, 5004/5005, Central Interface, Eastern Interface, Western Interface, Cleveland Interface, BC PEPCO Interface.

Step	Target Date
Complete Base Case Assumptions	May 2022
Post Draft Base Case	July 2022
Stakeholders Feedback	September 2022
Identify Congestion Drivers	September – November 2022
2022 Reevaluation Analysis	September – November 2022
2022 Acceleration Analysis	September – November 2022
Post Base Case and Congestion Drivers	January 2023
Open Long Term Proposal Window	January 2023

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## Market Efficiency Update



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- V1 – 4/7/2022 – Original slides posted

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