



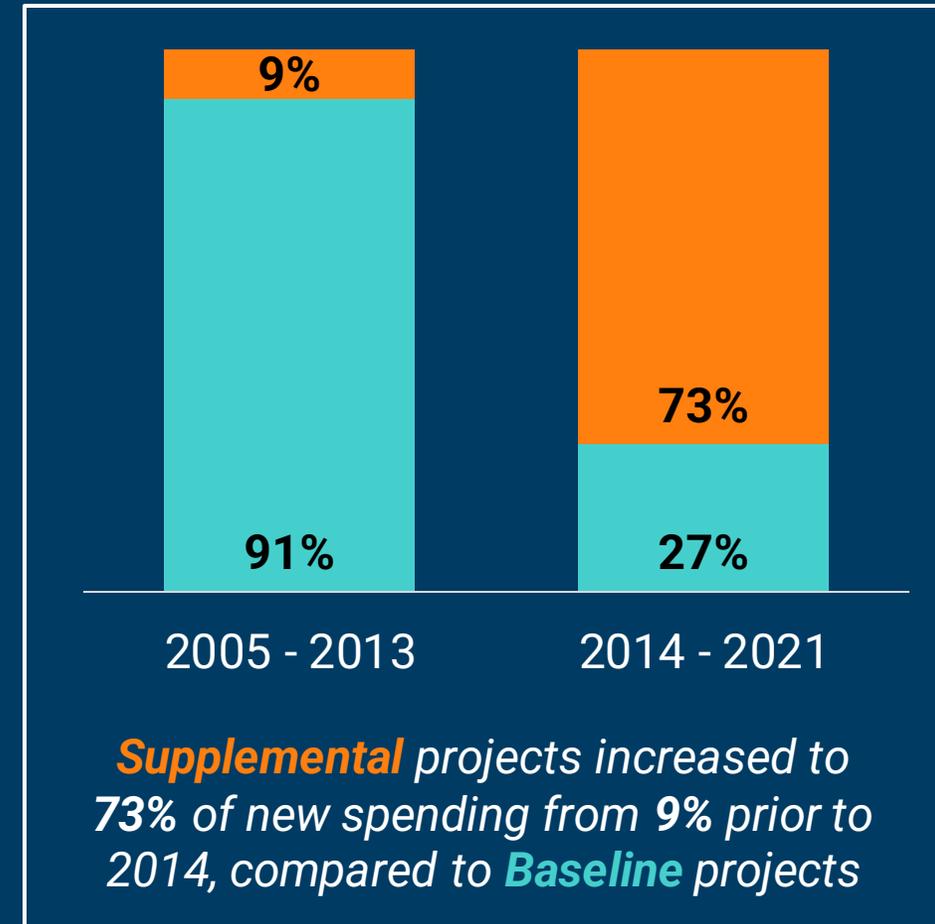
Long-Term Regional Transmission Planning and Plant Retirements in PJM

Claire Wayner

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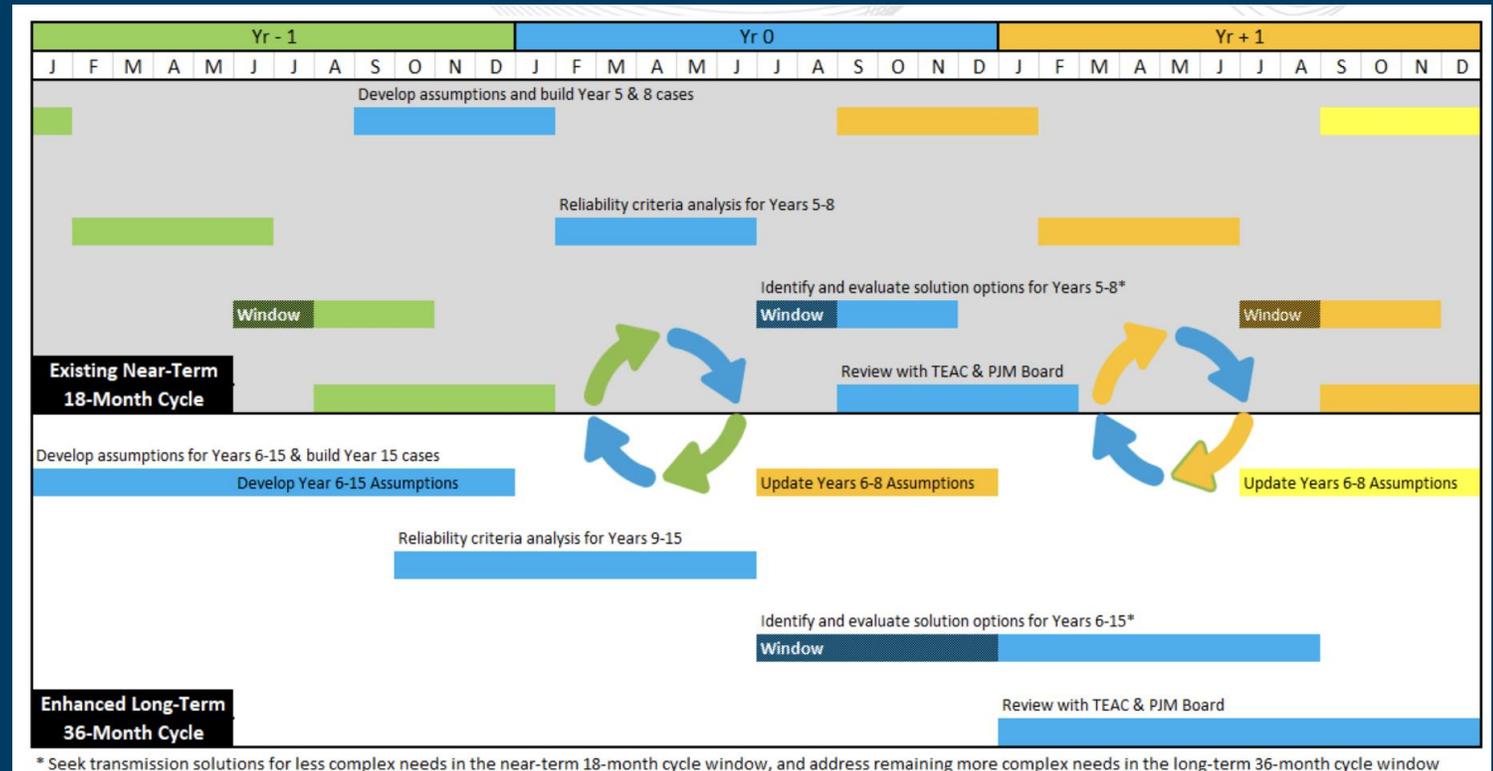
Today, transmission planning in PJM is focused on smaller, short-term projects

- PJM's annual Regional Transmission Expansion Plan (RTEP) considers only short-term changes to the generation mix:
 - **Announced plant deactivations** (90+ days in advance)
 - New generators past **Facilities Study Stage** in queue
- Most transmission projects are short lead time reliability and Supplemental projects
- Very limited interregional planning
- PJM is beginning to reform its planning practices
 - Proposed **scenario planning** in 2022
 - Launched **Long-Term Regional Transmission Planning (LTRTP)** in mid-2023



What is LTRTP proposing to do?

- Establish a 3-year long **scenario-based planning process**
- Utilize capacity expansion modeling to **identify reliability needs** for the grid of the future
- Includes state RPS policies, load growth, and **forecasted retirements (4R report)**
- Utilize **benefits assessment** to select upgrades to meet needs



LTRTP (bottom half) will slot into two cycles of existing RTEP reliability planning (top half) to last 3 years total

How can PEOUG members engage on LTRTP?

- PJM to finalize LTRTP via **manual changes** by Q1 2024
- LTRTP has the potential to plan proactively for plant retirements in a cost-effective manner
- RMI is coordinating a coalition of NGOs and developers to provide input, including:
 - Ensure that **state policies** on **generation additions, retirements, and load** (electrification) are **incorporated fully**
 - Ensure that PJM does a **complete benefits assessment** for all projects, scenarios, and the entire LTRTP portfolio