

Planning Education and Reference Materials

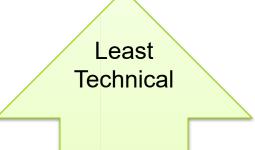
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Overview of Resources



 PJM Learning Center: Plain-speak overview of PJM core business areas (Planning, Operations and Markets) https://learn.pjm.com/

- Fact Sheets: Deeper dive into a single topic within any of PJM's core business areas https://www.pjm.com/library/fact-sheets
- PJM Manuals: Describes the business processes for areas of PJM https://www.pjm.com/library/manuals
- Training: Technical materials to support member training and industry certifications
 https://www.pjm.com/training

Most Technical PJM Web Pages: Processes, technical data and materials that support transparency into daily decisions https://www.pjm.com/



Learning Center

Overview of PJM and the core work that we do

 Content is designed for a general audience and those who may not work in the utility industry.



 Redesign effort underway with Planning content. First round of changes just released.

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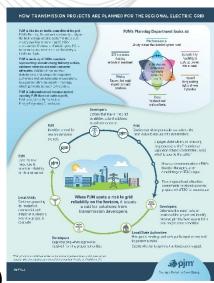


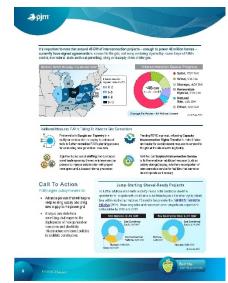
Fact Sheets

Variety of Topics in All of PJM's Business Areas

Some of interest for TEAC participants:

- Oversight and Transparency (PDF)
- How Transmission Projects Are Planned for the Regional Grid (PDF)
- Interconnection Reform Progress (PDF)
- Load Forecasting Supports Reliability and Efficiency (PDF)
- RTEP: Planning for Long-Term Transmission Needs (PDF)
- PJM's Role in Regional Planning and RTEP Windows (PDF)







- Topics support certification requirements for PJM and Member company operators.
- Slides and recorded content are available on the <u>Training</u> <u>Resource</u> page.
- Topics of interest to TEAC participants:
 - PJM 101
 - Introduction to the Regional Planning Process



- PJM manuals describe the business processes used by PJM to meet the obligations described in the governing documents.
- Manuals are owned by specific departments within PJM. All changes are reviewed and approved through the stakeholder process.
- Manuals of interest for TEAC participants:
 - M34: Stakeholder Process (PDF)
 - M14B: PJM Regional Transmission Planning Process (PDF)
 - M14F: Competitive Planning Process (PDF)
 - M19: Load Forecasting & Analysis (PDF)



 PJM.com is designed for the benefit of PJM Members and those who do business with PJM.

 Most pages share data that is required by Members or others conducting business within PJM.



- Pages of interest to TEAC participants:
 - Stakeholder groups
 - Planning Committee (PC)
 - <u>Transmission Expansion Advisory Committee</u> (TEAC)
 - Load Analysis Subcommittee (LAS)
 - Planning page (All Planning Data)
 - PJM and Transmission Owner Planning Criteria
 - Competitive Planning Process
 - Load Forecast Development Process
 - Project details
 - Interconnection process <u>Serial</u> and <u>Cycle</u> status
 - Transmission Project Status and Cost Allocation
 - Generation Deactivations



 Two-step process to allocate regional transmission infrastructure costs to retail bills

- PJM allocations:
 - Methodology developed by the TOA-AC and approved by FERC
 - Allocation percentages for baseline projects are calculated by PJM after approval by the PJM Board of Managers.
- Transmission Owners recover these transmission costs through retail rate structures approved by the state utility commissions.



Federal Jurisdictional Rates

PJM applies FERC-approved cost-allocation methodologies to selected transmission projects.

Projects are allocated by Transmission Owner zone.

State Jurisdictional Rates

Transmission Owners recover costs from retail customers using rate structures approved by state regulatory commissions.



- When in doubt, the PJM Client Management Team is available to support Members and non-Members.
- The Client Management Team is a group of experienced PJM staff who can assist in finding materials and subject matter experts to address your questions.
- Contact information:
 - <u>custsvc@pjm.com</u>
 - **-** (610) 666-8980
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Planning Education and References



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