What is PJM?

Andrew Levitt, Applied Innovation
January 22, 2020
New Jersey Retreat on Advancing Vehicle-to-Grid Technologies
PJM Is a Global Leader in Competitive Power Markets

- ~700 employees
- ~$290 m annual operating budget
- ~$40b in transactions
- 65 million people served
- 21% of US GDP
- 165 GW peak load
- Founded 1927
OPERATIONS

Matches supply with demand like...

Air Traffic Control

MARKETS

Energy Market Pricing like...

Stock Market

PLANNING

Planning for the future like...

Urban Planning
Paths to Market Access by Distributed Energy Resources

**Path 1: Generator rules**
Injects electric energy onto T or D grid. Comes through PJM queue. Standalone or behind a customer meter.

**Path 2: Demand Response rules**
Reduces load. Must be behind a retail, muni, or coop load meter. Cannot inject past meter.

- **Energy market**
  
  - Lower bills

- **Capacity market**

- **Ancillary services markets**