



# Pennsylvania Reliable Energy Sustainability Standard

Stephen Bennett, PJM Interconnection  
Senior Manager, Governmental Services  
Presented to PA House Environmental Resources &  
Energy Committee

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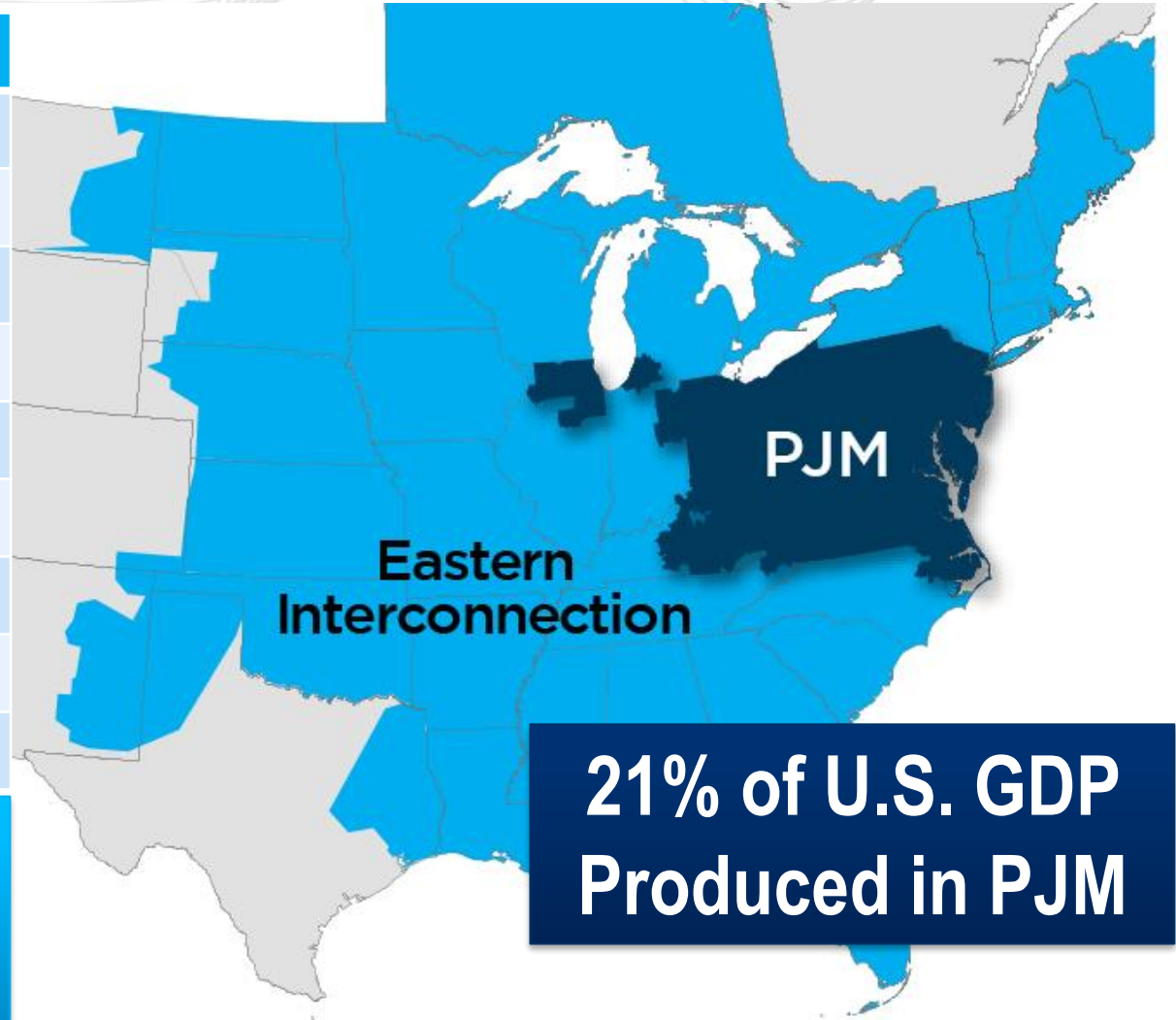


# PJM as Part of the Eastern Interconnection

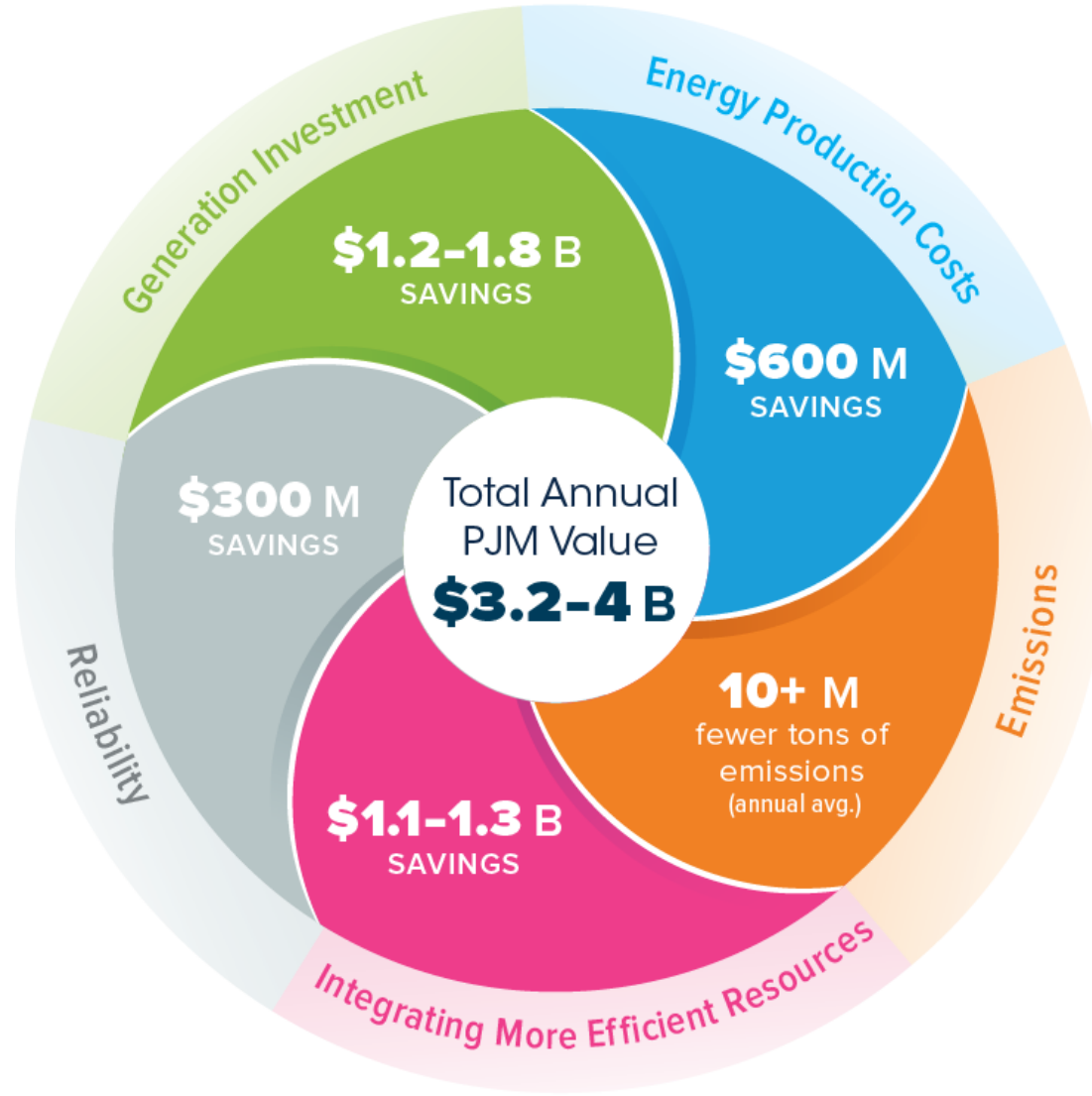
## Key Statistics

Member companies	1,090
Millions of people served	65+
Peak load in megawatts	165,563
Megawatts of generating capacity	183,254
Miles of transmission lines	88,185
Gigawatt hours of annual energy	770
Generation sources	1,419
Square miles of territory	368,906
States served	13 + DC

- 26% of generation in Eastern Interconnection
- 25% of load in Eastern Interconnection
- 20% of transmission assets in Eastern Interconnection



As of 2/2024



— All numbers are estimates. —

# RELIABILITY

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## Markets

- Energy
- Capacity
- Ancillary services

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## Operations

- Grid operations
- Supply/demand balance
- Transmission monitoring

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## Regional Planning

- 15-year outlook



Facilitate  
Decarbonization  
Policies Reliably



Grid of  
the Future



Innovation

## THE ENABLING FOUNDATION



Maintain  
Reliability



Stakeholder  
Engagement and  
Governance



Risk  
Management



Workforce  
Development

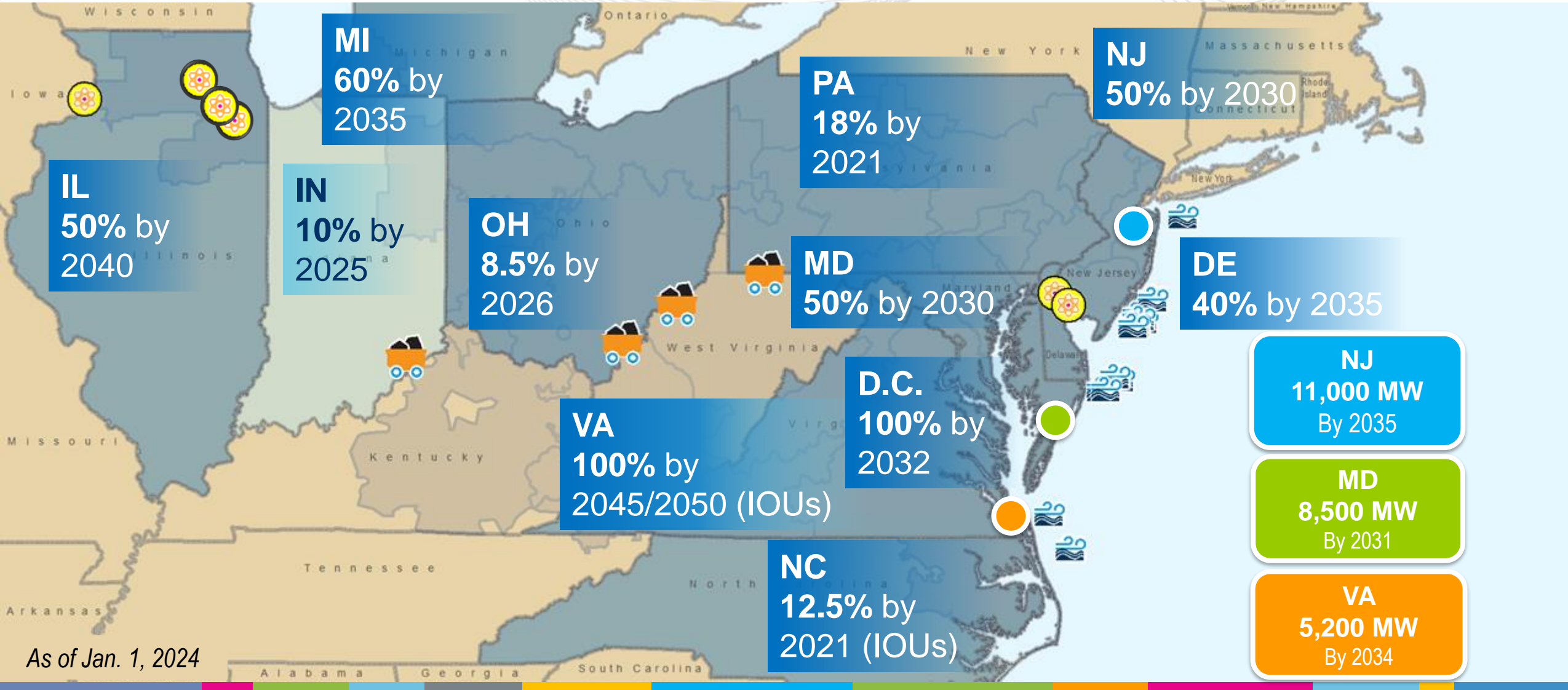


Efficiencies  
of Scale



CULTURE

Monitor Developments



As of Jan. 1, 2024

## PJM Environmental Information Services, Inc.

- Formed in February 2005
- **Capitalized independently of PJM Interconnection, L.L.C.**
- Hardware, software, and administrative costs paid for by PJM EIS, Inc.

## Generation Attribute Tracking System (GATS)

- GATS is owned and administered by PJM EIS
- The system tracks environmental attributes of generation in PJM Region
- Supports a variety of its Subscribers' reporting and verification requirements related to environmental compliance (e.g., state Renewable Portfolio Standards) and related markets
- System operation and maintenance costs borne by GATS subscribers

- All MWhs of PJM generation are tracked.
- GATS creates and tracks the transfer of certificates for generation.
  - Certificates (i.e., credits) are commodities bought and sold separate from energy.
  - Certificates can have different value depending on their attributes (e.g., fuel type, location, date of generation).
- It is a single information system that will support a range of the Subscribers' reporting, verification and compliance requirements (e.g., fuel and emissions disclosure, voluntary and compliance markets).
- It is a regional system that serves the varying needs and priorities of multiple PJM states and Subscribers.
- A system that is flexible enough to meet evolving state requirements.



- **Electricity suppliers and utilities have GATS accounts and are using the system** to demonstrate RPS compliance in PJM states.
- **There is no cost to the states to use GATS**, and no contract with PJM EIS is required. States can view full details of all REC retirements for their RPS in GATS.
- **GATS is tracking all PJM generation**. Generation data for PJM Generators is provided to GATS automatically from PJM on a monthly basis.
- States determine which resources are eligible to be used for compliance with their RPS. **PJM EIS has implemented a State Agency Application Program Interface (API) to automate the process of exchanging data about eligible generation resources.**



**Each PJM state determines eligibility for its programs**

**State RPS**  
(examples)

- PA Tier I, Tier II, Solar
- NJ Class I, Class II, TREC, SREC-II
- MD Tier 1, Tier 2, Solar
- VA Renewable, DER
- Offshore Wind (OREC)

**State Non-RPS**

- IL Zero Emission Credit
- IL Carbon Mitigation Credit
- OH Solar Generation Fund

**Voluntary: Emission Free Energy Certificate (EFEC)**

**Information publicly available to improve transparency:**

<https://www.pjm-eis.com/reports-and-events/public-reports.aspx>

- **Aggregator/Broker Listing:** Listing of Aggregators and Brokers in GATS

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- **Renewable Generators Registered in GATS:** Listing of All RE Systems and Their State RPS Enrollment(s)

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- **Solar Weighted Average Price:** Listing of SREC Trades by State, by Month

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- **Bulletin Board & Buyer's Bulletin Board:** Listing of Credits for Sale/Purchase

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- **RPS Eligible Certificates & RPS Retired Certificates:** Listing of Eligible/Used RECs (i.e., supply and demand)

**Presenter:**

Stephen Bennett,  
[stephen.bennett@pjm.com](mailto:stephen.bennett@pjm.com)

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Energy Committee**



**Member Hotline**

(610) 666-8980

(866) 400-8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)