



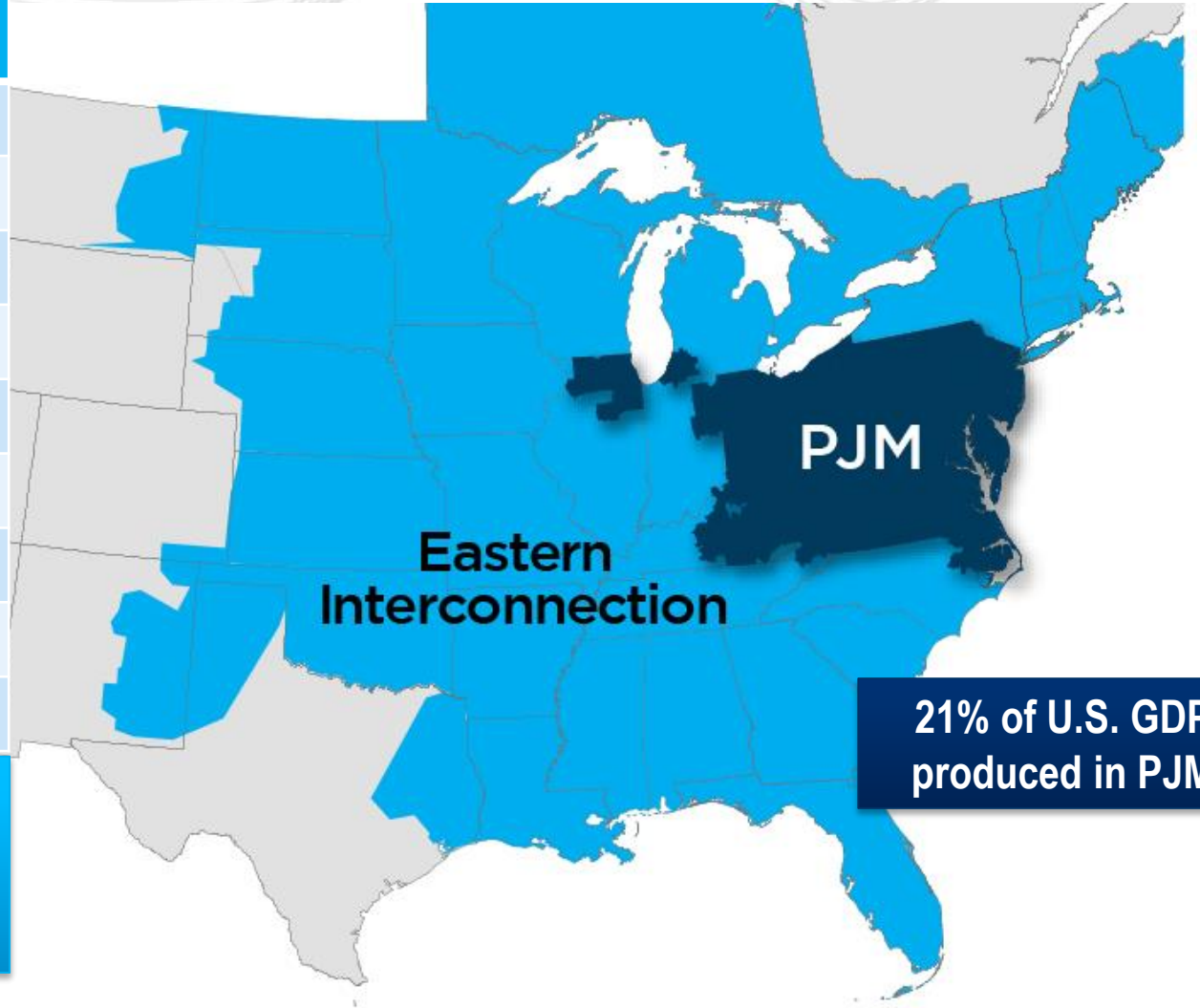
RTEP Process Overview

EISPC WebEx
Regional Process Overviews
November 8, 2016

Key Statistics

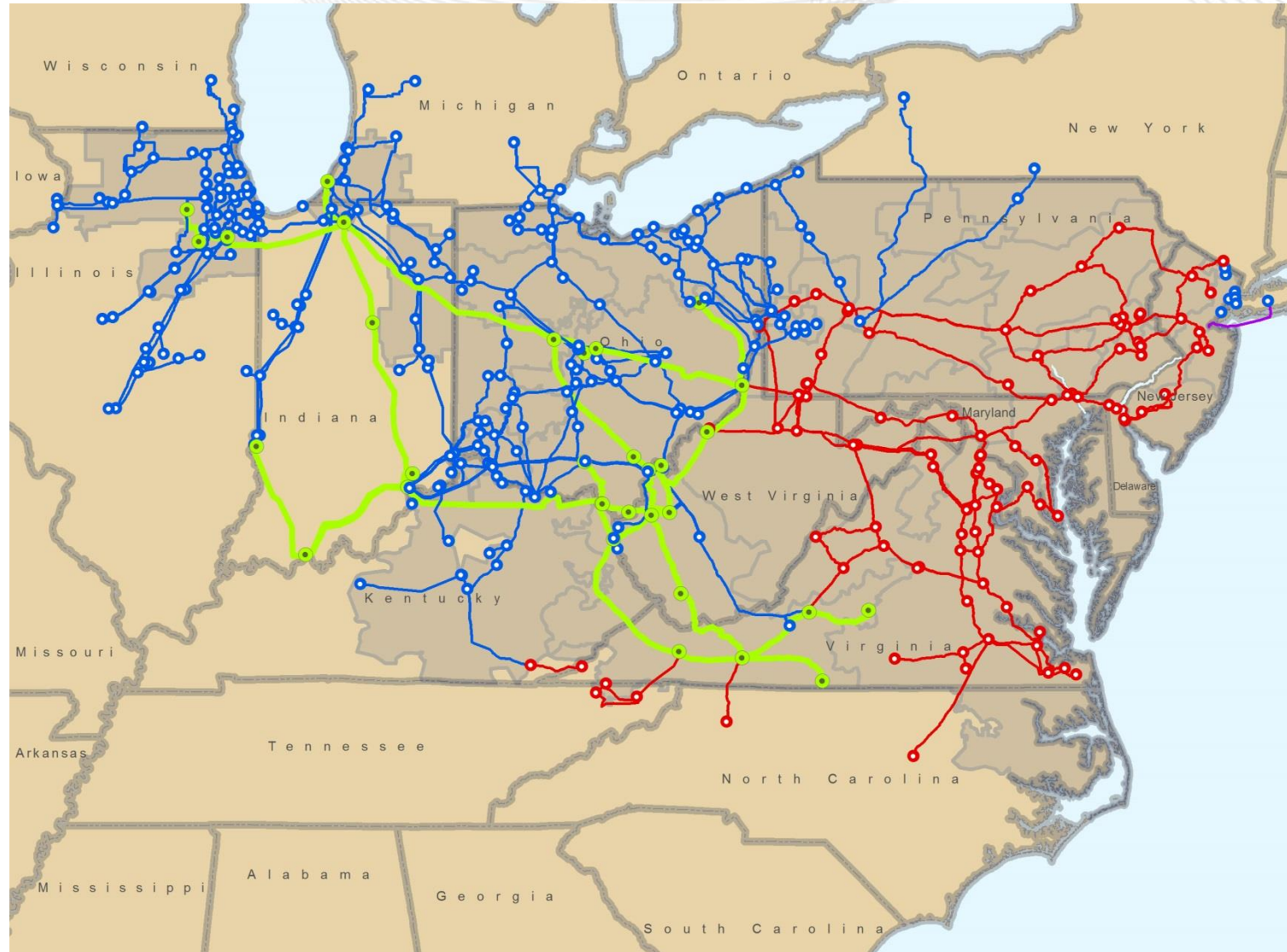
Member companies	960+
Millions of people served	61
Peak load in megawatts	165,492
MW of generating capacity	171,648
Miles of transmission lines	81,736
2014 GWh of annual energy	792,580
Generation sources	1,304
Square miles of territory	243,417
States served	13 + DC

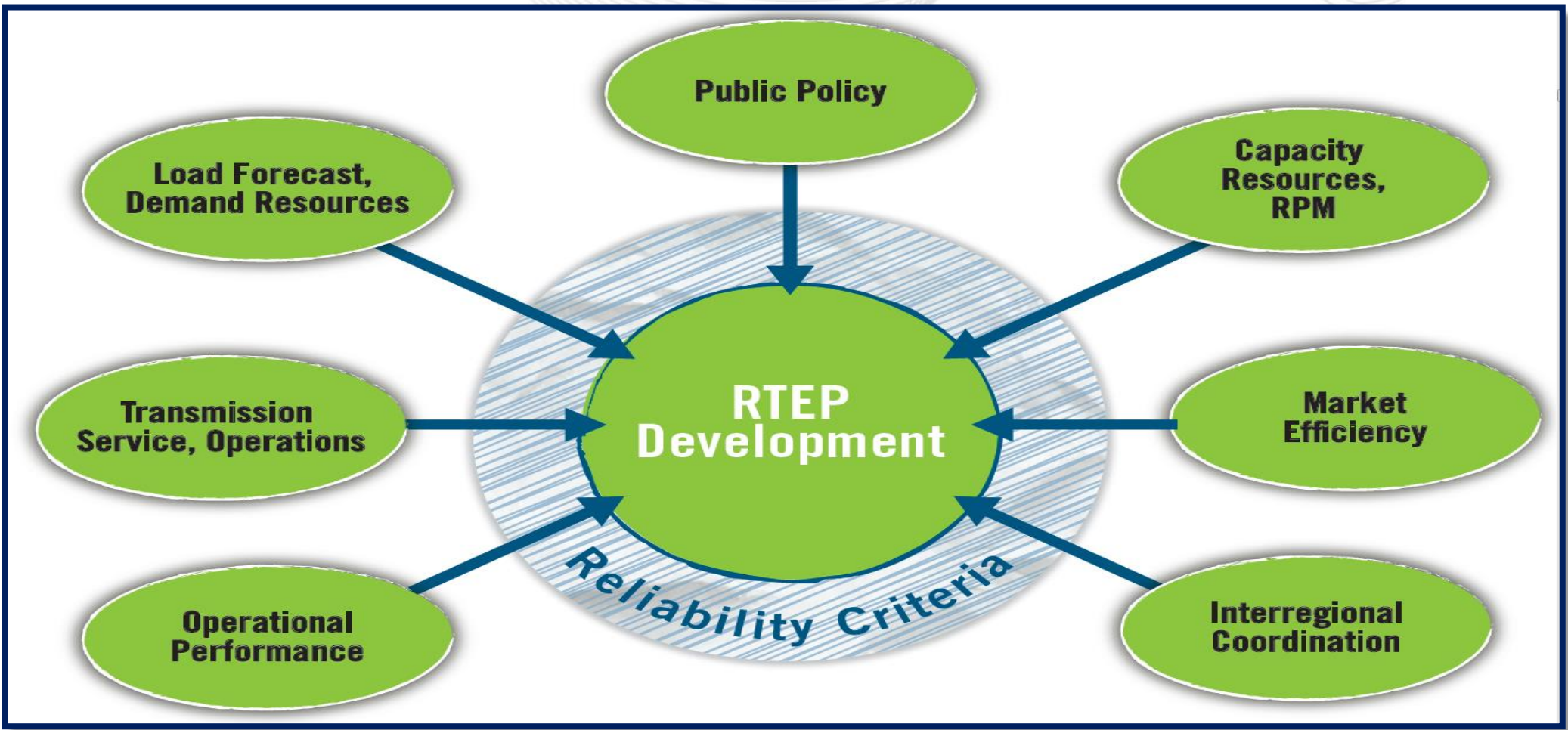
- 27% of generation in Eastern Interconnection
- 28% of load in Eastern Interconnection
- 20% of transmission assets in Eastern Interconnection



21% of U.S. GDP produced in PJM

As of 5/2016





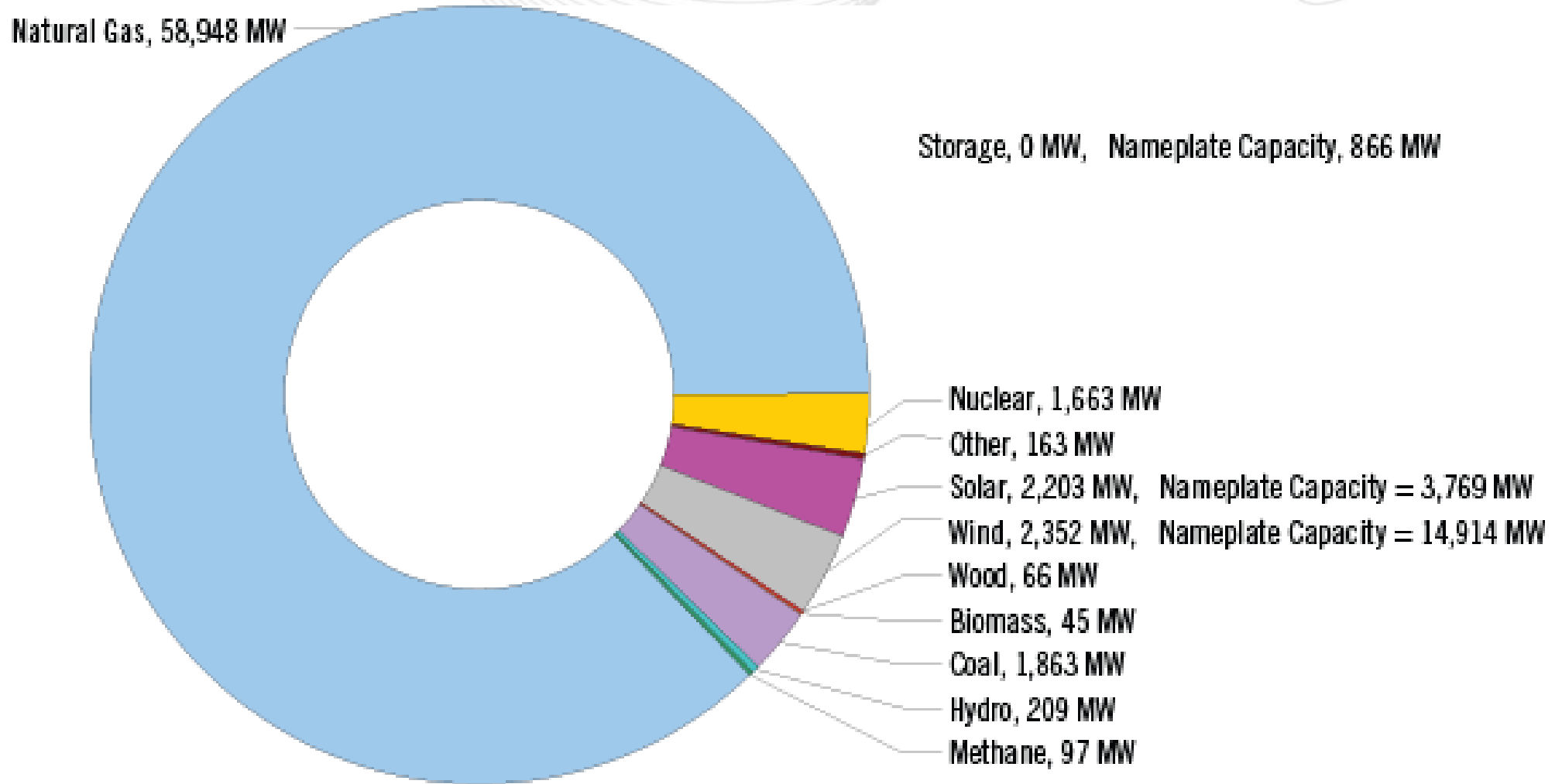
New Service Requests

- **Generation Interconnection**
- **Merchant Transmission Interconnection**
- **Long-term Firm Transmission Service**
- **Auction Revenue Rights**

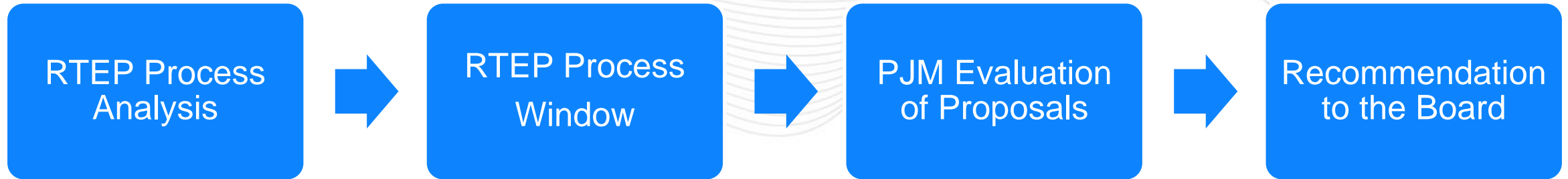
- Once PJM completes the “baseline” RTEP process, the clean baseline case is then used to study new service customer requests
- Upgrades required pursuant to PJM’s new service request process are referred to as “network” upgrades



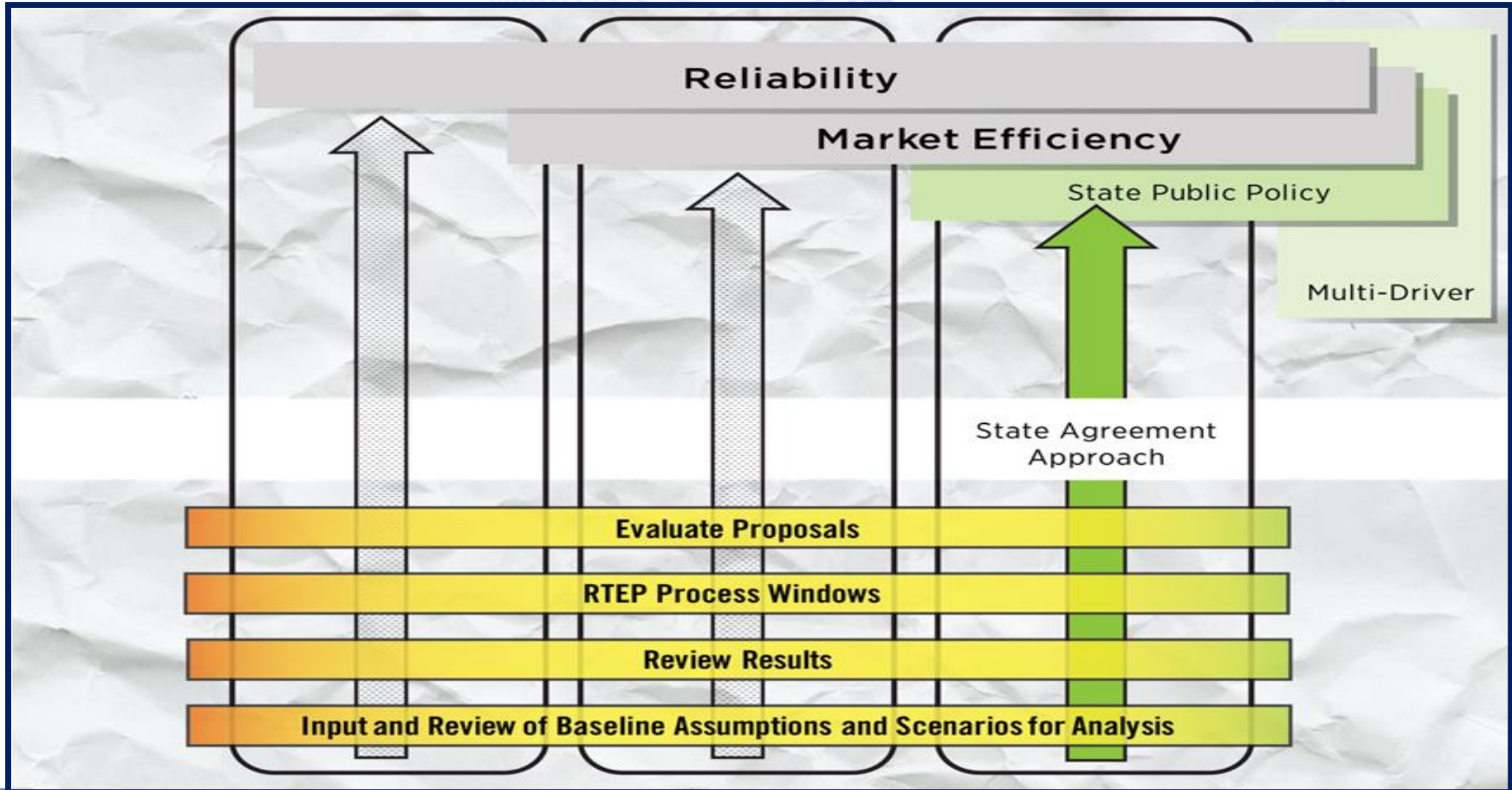
PJM Queued Generation Fuel Mix – Requested Capacity Rights (December 31, 2015)



- One Transmission Planner – PJM
- Single Regional Analysis - all BES & additional facilities
 - Baseline – upgrades required to keep the system compliant with reliability criteria, market efficiency criteria, public policy needs and operational performance
 - Network – “but for” upgrades required for New Service Customers
- Supplemental – Changes to the transmission system that are not required to satisfy any reliability, market efficiency, operational performance or public policy requirements



- ✓ FERC-approved
- ✓ 15 year planning horizon
- ✓ 12 month and 24 month cycle
- ✓ Comprehensive and Holistic
 - Multi-driver: Reliability, Market Efficiency, Public Policy
- ✓ Open, transparent, collaborative stakeholder process
- ✓ Order No. 1000 compliant



- RTEP process is open and transparent
- Open
 - Members
 - Regulatory Agencies (Federal or State) including Consumer Advocates
 - “any other interested parties”
- Transparent
 - On-line information
 - Regular stakeholder meetings and communications

- ✓ Advisory body
- ✓ Membership - state regulatory bodies only, voluntary
- ✓ Provide Input and recommendations:
 - Assumptions for evaluating potential transmission needs.
 - Regulatory initiatives.
 - Impact of regulatory actions and other industry trends.
 - Alternative sensitivity studies, modeling assumptions and scenario analyses
- ✓ Public policy driven transmission focus

- **PJM Planning Committee**

www.pjm.com/committees-and-groups/committees/pc.aspx

- **Transmission Expansion Advisory Committee (TEAC)**

www.pjm.com/committees-and-groups/committees/teac.aspx

- **PJM Mid-Atlantic Sub-Regional RTEP Committee**

www.pjm.com/committeesand-groups/committees/srtep-ma.aspx

- **PJM Western Sub-Regional RTEP Committee**

www.pjm.com/committees-and-groups/committees/ssrtep-w.aspx

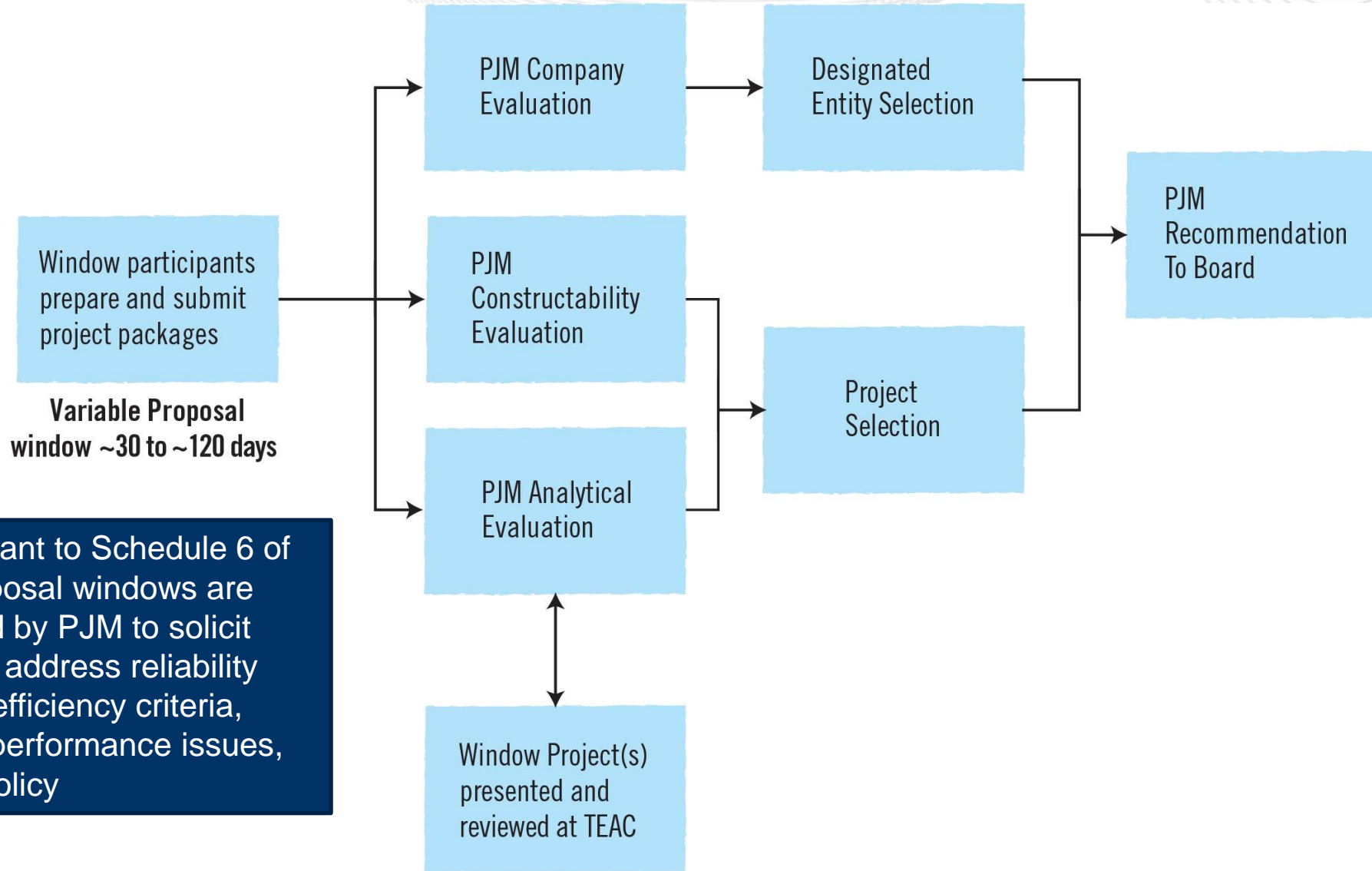
- **PJM Southern Sub-Regional RTEP Committee**

www.pjm.com/committees-and-groups/committees/ssrtep-s.aspx

- **Independent State Agencies Committee (ISAC)**

pjm.com/committees-and-groups/isac.aspx

RTEP Process Window Proposal Evaluation



Note: Pursuant to Schedule 6 of the OA, proposal windows are administered by PJM to solicit proposals to address reliability and market efficiency criteria, operational performance issues, and public policy

RTEP Process - Interregional Coordination

✓ Market to Market Operations

✓ Interregional coordination agreements

