



2025

PJM Long-Term Load Forecast Report

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Prepared by PJM Resource Adequacy Planning Department

For Public Use

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TO Zones and Subzones

Abbreviation	Zone Name	Date Incorporated
AE	Atlantic Electric zone	
AEP	American Electric Power zone	Oct. 1, 2004
APP	Appalachian Power, sub-zone of AEP	
APS	Allegheny Power zone	April 1, 2002
ATSI	American Transmission Systems, Inc. zone	June 1, 2011
BGE	Baltimore Gas & Electric zone	
CEI	Cleveland Electric Illuminating, sub-zone of ATSI	
COMED	Commonwealth Edison zone	May 1, 2004
CSP	Columbus Southern Power, sub-zone of AEP	
DAY	Dayton Power & Light zone	Oct. 1, 2004
DEOK	Duke Energy Ohio/Kentucky zone	January 1, 2012
DLCO	Duquesne Lighting Company zone	January 1, 2005
DOM	Dominion Virginia Power zone	May 1, 2005
DPL	Delmarva Power & Light zone	
EKPC	East Kentucky Power Cooperative zone	June 1, 2013
FE-East	The combination of FirstEnergy's Jersey Central Power & Light, Metropolitan Edison, and Pennsylvania Electric zones (formerly GPU)	
INM	Indiana Michigan Power, sub-zone of AEP	
JCP&L	Jersey Central Power & Light zone	
KP	Kentucky Power, sub-zone of AEP	

Abbreviation	Zone Name	Date Incorporated
METED	Metropolitan Edison zone	
MP	Monongahela Power, sub-zone of APS	
OEP	Ohio Edison, sub-zone of ATSI	
OP	Ohio Power, sub-zone of AEP	
OVEC	Ohio Valley Electric Corporation zone	December 1, 2018
PECO	PECO Energy zone	
PED	Potomac Edison, sub-zone of APS	
PEPCO	Potomac Electric Power zone	
PL	PPL Electric Utilities, sub-zone of PLGroup	
PLGroup/PLGRP	Pennsylvania Power & Light zone	
PENLC	Pennsylvania Electric zone	
PP	Pennsylvania Power, sub-zone of ATSI	
PS	Public Service Electric & Gas zone	
RECO	Rockland Electric (East) zone	March 1, 2002
TOL	Toledo Edison, sub-zone of ATSI	
UGI	UGI Utilities, sub-zone of PLGroup	
WP	West Penn Power, sub-zone of APS	

Glossary

Term / Abbreviation	Definition
Battery Storage	Devices that enable generated energy to be stored and then released at a later time. (Also Battery Energy Storage System – BESS)
Contractually Interruptible	Load Management from customers responding to direction from a control center
Cooling Load	The weather-sensitive portion of summer peak load
Direct Control	Load Management achieved directly by a signal from a control center
Heating Load	The weather-sensitive portion of winter peak load
Net Energy	Net Energy for Load, measured as net generation of main generating units plus energy receipts minus energy deliveries
PRD	Price Responsive Demand
Unrestricted Peak	Peak load prior to any reduction for load management or voltage reduction.
Zone	Areas within the PJM Control Area, as defined in the PJM Reliability Assurance Agreement

Executive Summary

This report presents an independent load forecast prepared by PJM staff.

- The report includes a 20 year long-term forecasts of peak loads, net energy, load management, distributed solar generation, plug-in electric vehicles, and battery storage for each PJM zone, region, locational deliverability area (LDA), and the total RTO.
- New to the report this year is a table for the total load associated with adjustments to summer peak loads (Table B-9b available on the [PJM Website](#)). All tables are now provided in excel format for ease of use.
- Residential, Commercial, and Industrial sector models were estimated with data from 2014 through 2023. Hourly models were estimated with data from 2015 to August 2024. Weather scenarios were simulated with data from years 1993 through 2023, generating 403 scenarios.
- The economic forecast used was Moody's Analytics' September 2024 release.

Energy Information Administration & Vendor Data

The Energy Information Administration (EIA) did not publish an Annual Energy Outlook (AEO) update in 2024 as they revamp models and make improvements to capture emerging technologies. Therefore, the 2023 update of Itron's end-use data provides the basis for appliance saturation rates, efficiency, and intensity and is consistent with the EIA's 2023 AEO. PJM obtained additional information from certain zones on Residential saturation rates based on their own load research. Details on zones providing information are presented in the supplement.

Consultant forecasts for behind the meter solar/battery and electric vehicles including light, medium & heavy duty were provided by S&P Global.

- The behind the meter solar/battery values were derived by PJM from a forecast obtained from [SPGCI](#)
- The electric vehicle values were derived by PJM from a forecast obtained from [SPGCI](#)

Compared to the 2024 Load Report, the 2025 PJM RTO summer peak forecast shows the following changes for three years of interest:

Next Year:		
Delivery	RPM Auction	RTEP Study
2025 +651 MW (0.4%)	2026 +2,134 MW (1.4%)	2030 +16,010MW (9.5%)

Load Adjustments

The forecasts of the following zones have been adjusted to account for large, unanticipated load changes, market adjustments, and peak shaving adjustments (see **Tables B-9** and **B-9b** and the supplement for details available on the [PJM Website](#)):

Zones	Adjusted to account for:
AEP	growth in data center load and a chip processing plant
APS, ATSI, BGE, DAYTON, PECO, and PL	growth in data center load
COMED	growth in data center load and an electric vehicle battery plant
DEOK	adjusted to account for growth in a steel facility
DOM	growth in data center load and a voltage optimization program
PS	growth in data center load and port electrification
EKPC	a peak shaving program that commenced in the 2023 DY
ATSI and DOM	Non-Retail Behind-the-Meter Generation (NRBTMG) transitioning to participation as Demand Response in the Reliability Pricing Model

Summer & Winter Summary

Summer peak load growth for the PJM RTO

- Projected to average 3.1% per year over the next 10-year period and 2.0% over the next 20 years.
- Summer peak is forecasted to be 209,923 MW in 2035, a 10-year increase of 55,779 MW, and reaches 228,544 MW in 2045, a 20-year increase of 74,400 MW.
- Annualized 10-year growth rates for individual zones range from 0.1% to 6.3%; median of 0.7%.

Winter Peak Load Growth – PJM RTO

- Projected to average 3.8% per year over the next 10-year period, and 2.4% over the next 20 years.
- The PJM RTO winter peak load in 2034/35 is forecasted to be 198,175 MW, a 10-year increase of 62,048 MW, and reaches 218,760 MW in 2044/45, a 20-year increase of 82,633 MW.
- Annualized 10-year growth rates for individual zones range from 0.1% to 6.0%; median of 1.6%.

Net Energy Load Growth – PJM RTO

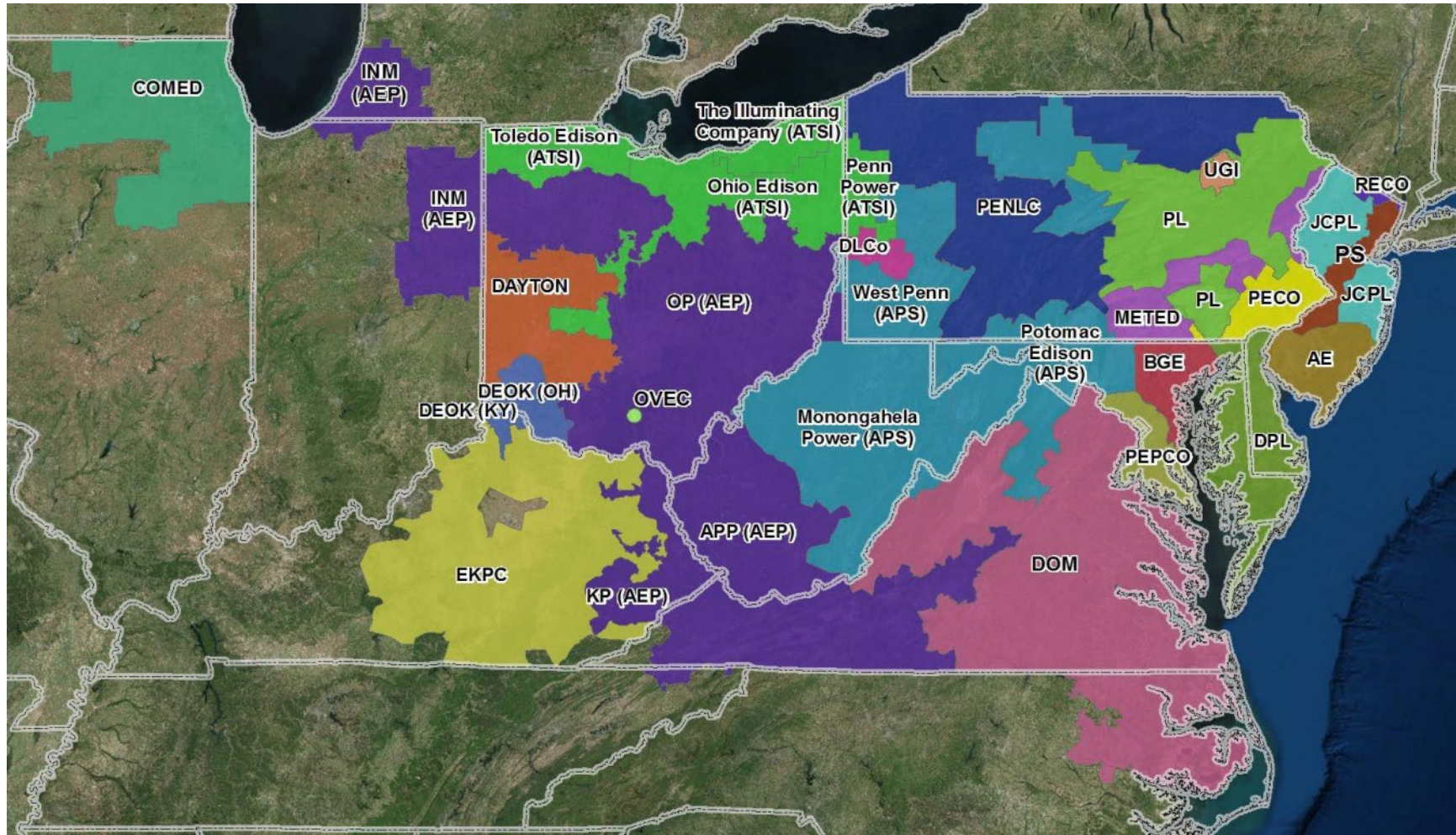
- Projected to average 4.8% per year over the next 10-year period, and 2.9% over the next 20-years.
- Total PJM RTO energy is forecasted to be 1,328,045 GWh in 2035, a 10-year increase of 495,264 GWh, and reaches 1,482,068 GWh in 2045, a 20-year increase of 649,287 GWh.
- Annualized 10- year growth rates for individual zones range from 0.2% to 8.4%; median of 1.6%.

NOTE:

Unless noted otherwise, all peak and energy values are non-coincident, unrestricted peaks, which represent the peak load or net energy after reductions for distributed solar generation and battery storage (in summer peak), additions for plug-in electric vehicles, and prior to reductions for load management impacts.

All compound growth rates are calculated from the first year of the forecast.

PJM Map



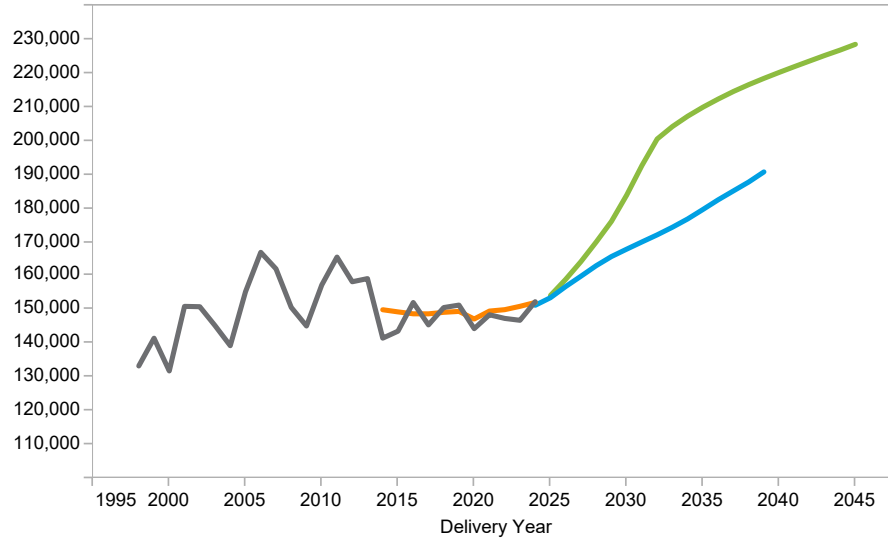
PJM RTO, LDA, and Zonal Dashboards

Click below to jump to an LDA or PJM Zone's data page

[PJM RTO](#)[MAAC](#)[E-MAAC](#)[S-MAAC](#)[PJM Western](#)[AE](#)[BGE](#)[DPL](#)[JCPL](#)[METED](#)[PECO](#)[PENLC](#)[PEPCO](#)[PL](#)[PS](#)[RECO](#)[UGI](#)[AEP](#)[APS](#)[ATSI](#)[COMED](#)[DAYTON](#)[DEOK](#)[DLCO](#)[EKPC](#)[DOM](#)

PJM RTO

Summer Peak



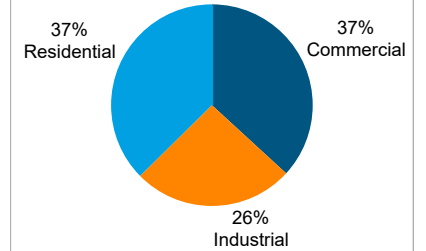
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	74.3
Avg Summer Max Temp	95.2
Avg Winter Daily Temp	34.3
Avg Winter Min Temp	4.1

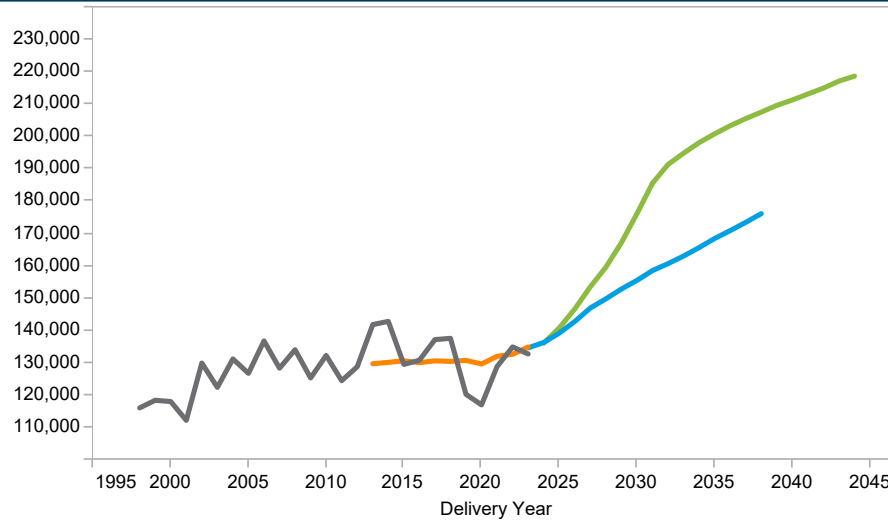
Zonal 10/15/20 Year Load Growth

SUMMER	3.1%	2.4%	2.0%
WINTER	3.8%	2.9%	2.4%

RCI Makeup



Winter Peak



LDAs

PJM Mid-Atlantic
Eastern MAAC
Southern MAAC

Central MAAC
Western MAAC
PJM West

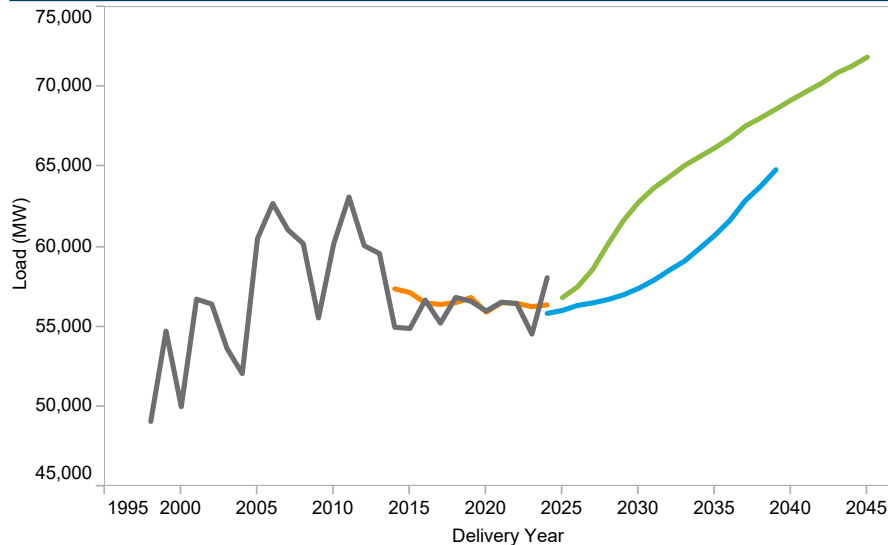
Zones

AE	DAYTON	JCPL	PEPCO
AEP	DEOK	METED	PL
APS	DLCO	OVEC	PS
ATSI	DOM	PECO	RECO
BGE	DPL	PENLC	UGI
COMED	EKPC		

■ Peak ■ WN peak ■ Forecast 2024 ■ Forecast 2025

PJM Mid-Atlantic (MAAC)

Summer Peak



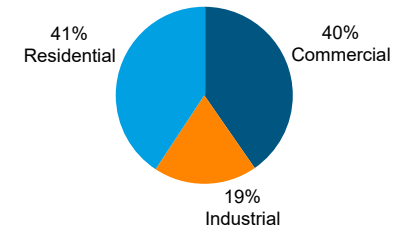
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	74.8
Avg Summer Max Temp	96.3
Avg Winter Daily Temp	35.1
Avg Winter Min Temp	6.6

Zonal 10/15/20 Year Load Growth

SUMMER	1.5%	1.3%	1.2%
WINTER	2.7%	2.2%	1.9%

RCI Makeup



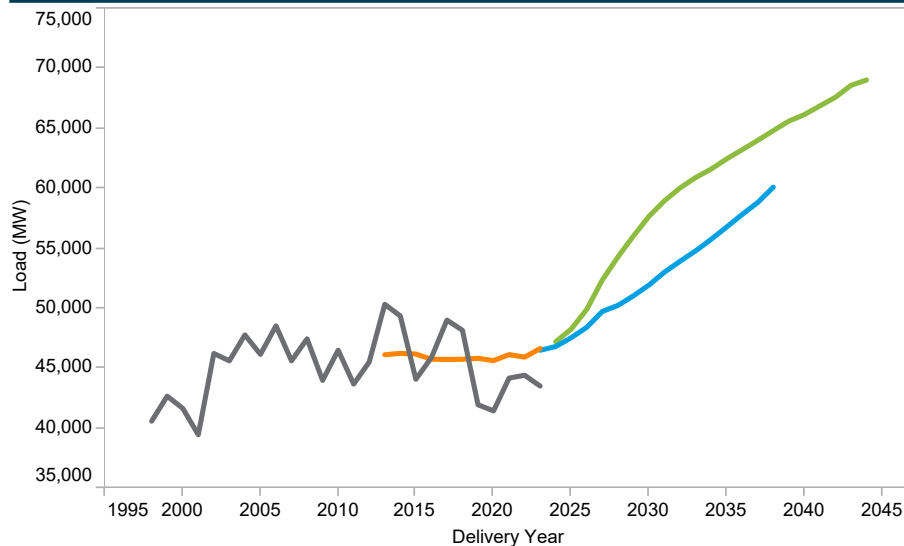
Zones

AE	JCPL	PENLC	PSEG
BGE	METED	PEPCO	RECO
DPL	PECO	PL	UGI

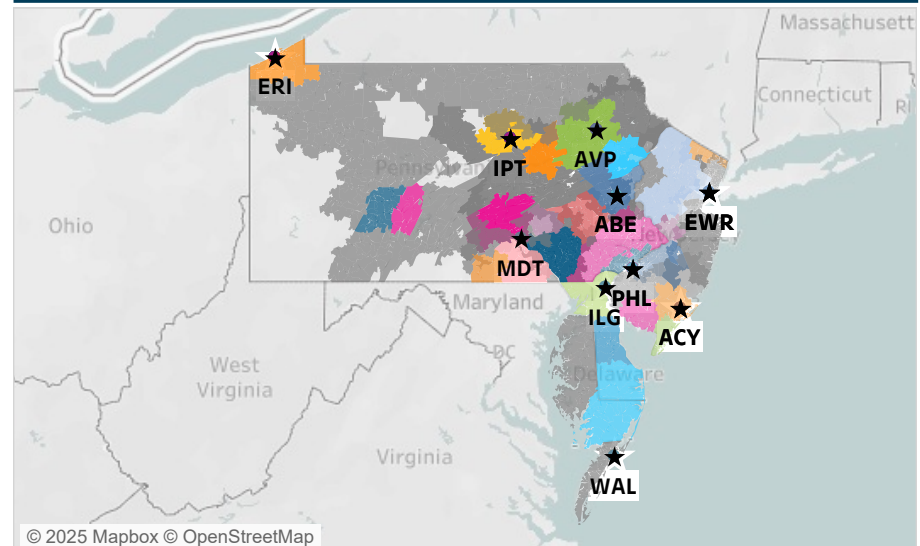
LDAs

E-MAAC	C-MAAC
S-MAAC	W-MAAC

Winter Peak



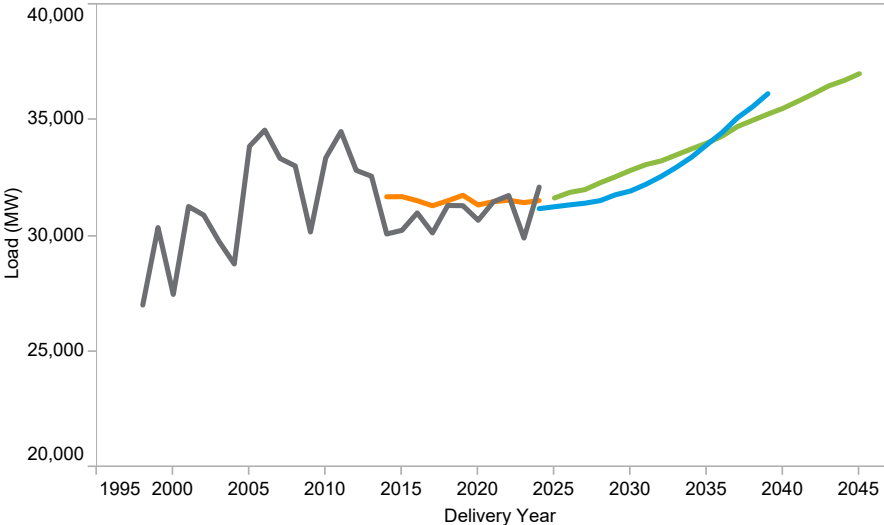
Metropolitan Statistical Areas and Weather Stations



Peak
 WN peak
 Forecast 2024
 Forecast 2025

PJM Eastern Mid-Atlantic (E-MAAC)

Summer Peak



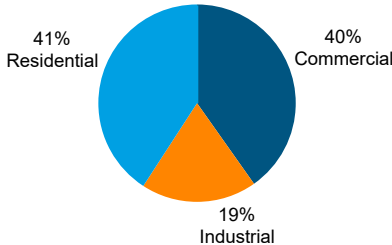
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	75.7
Avg Summer Max Temp	97.5
Avg Winter Daily Temp	36.4
Avg Winter Min Temp	7.9

Zonal 10/15/20 Year Load Growth

SUMMER	0.7%	0.8%	0.8%
WINTER	2.7%	2.3%	2.1%

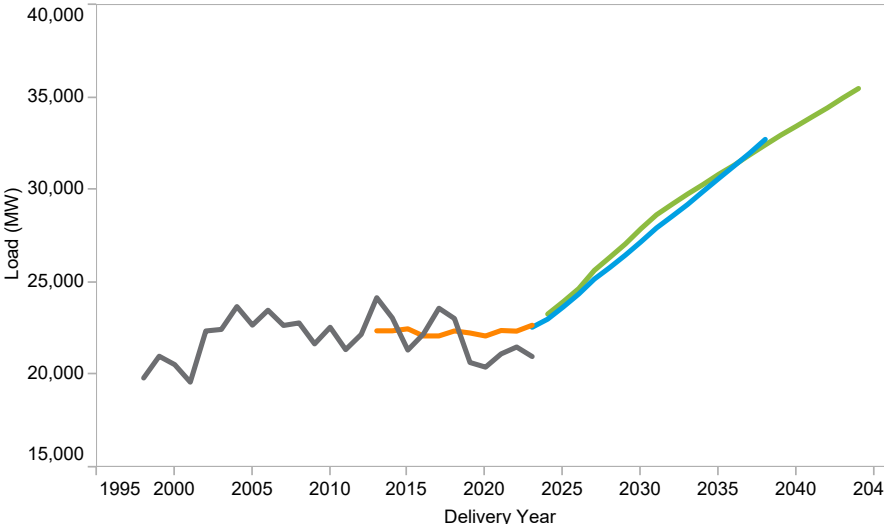
RCI Makeup



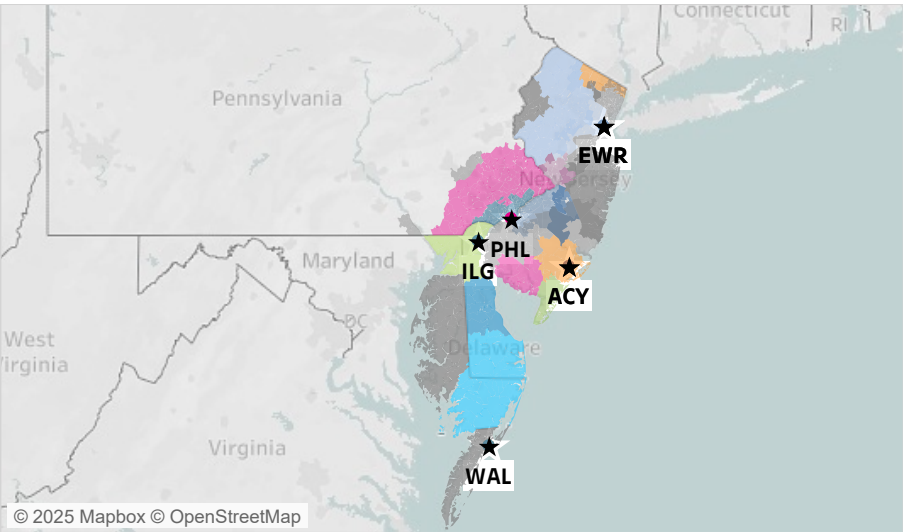
Zones

AE DPL JCPL PECO PS RECO

Winter Peak



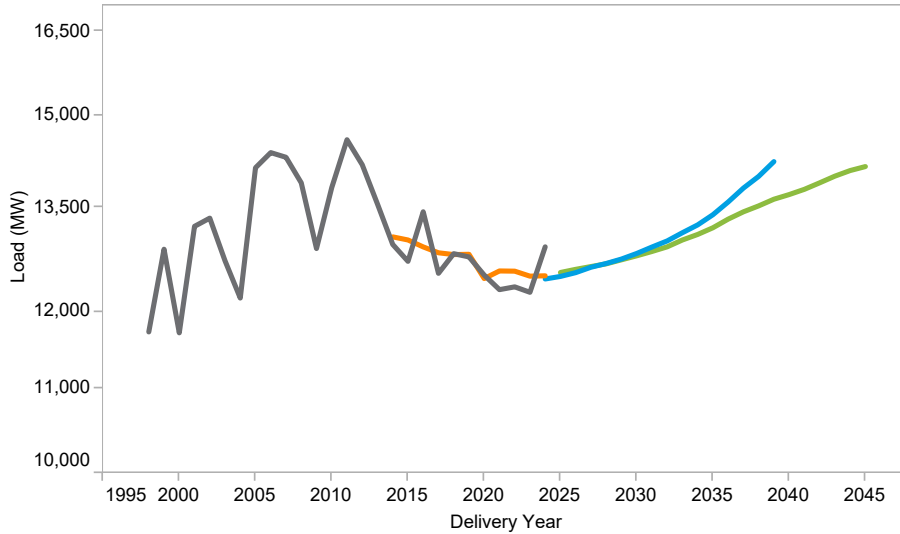
Metropolitan Statistical Areas and Weather Stations



Peak WN peak Forecast 2024 Forecast 2025

PJM Southern Mid-Atlantic (S-MAAC)

Summer Peak



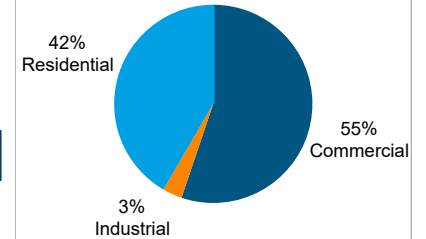
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	77.1
Avg Summer Max Temp	98.0
Avg Winter Daily Temp	38.1
Avg Winter Min Temp	10.4

Zonal 10/15/20 Year Load Growth

SUMMER	0.5%	0.6%	0.6%
WINTER	0.8%	0.8%	0.7%

RCI Makeup

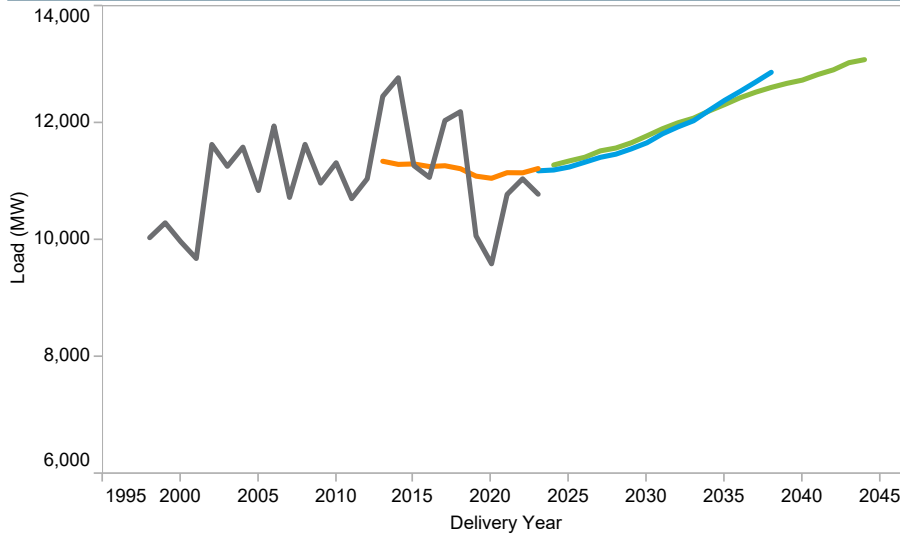


Zones

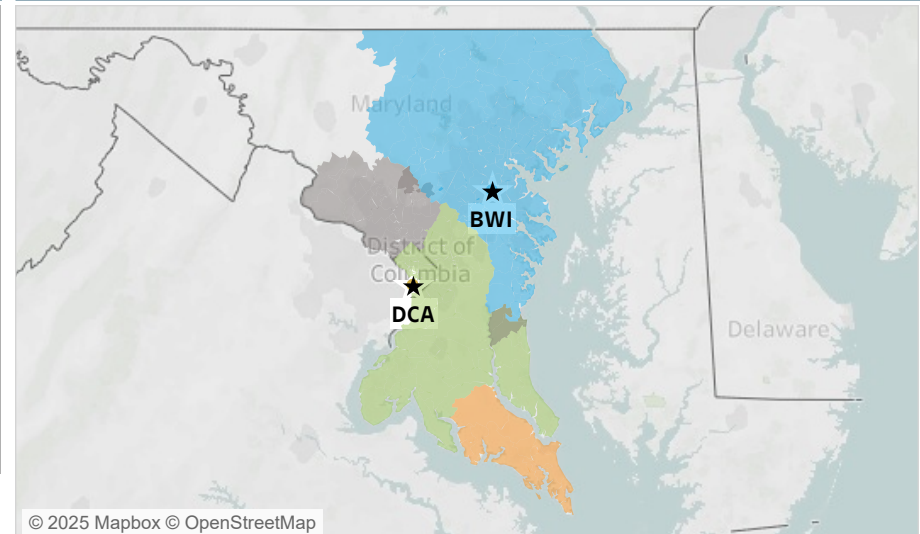
BGE

PEPCO

Winter Peak



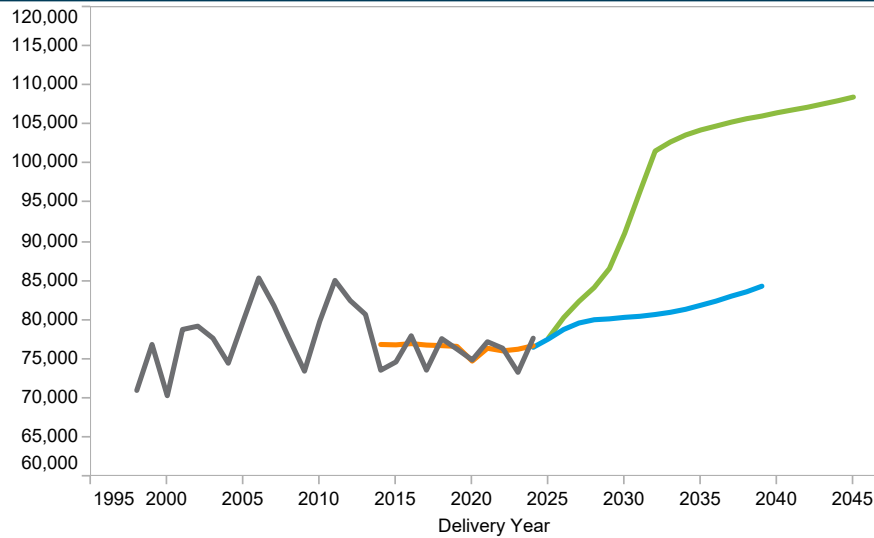
Metropolitan Statistical Areas and Weather Stations



Peak WN peak Forecast 2024 Forecast 2025

PJM Western

Summer Peak



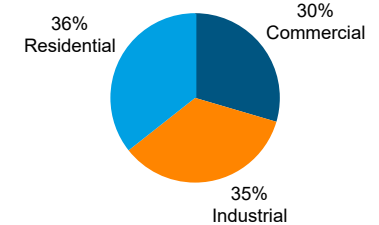
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	73.2
Avg Summer Max Temp	93.2
Avg Winter Daily Temp	32.2
Avg Winter Min Temp	-0.7

Zonal 10/15/20 Year Load Growth

SUMMER	3.0%	2.1%	1.7%
WINTER	3.7%	2.6%	2.1%

RCI Makeup



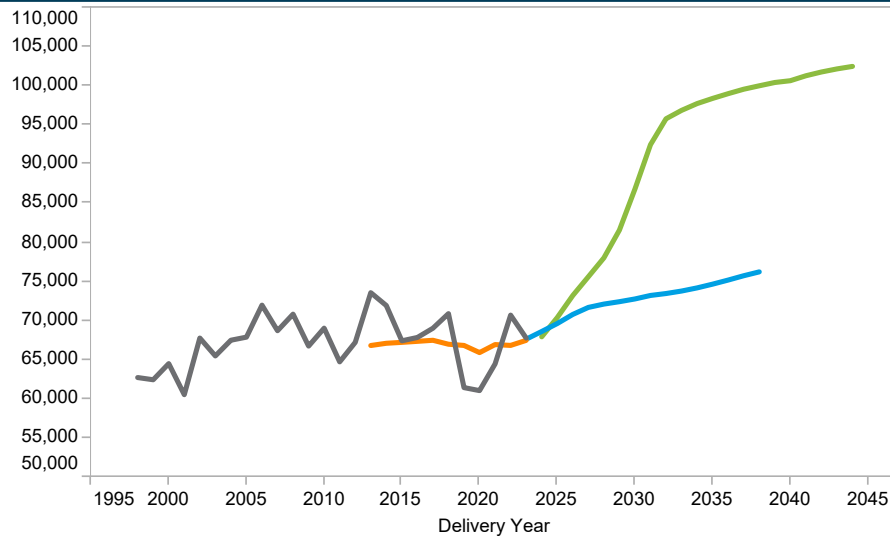
Zones

AEP
APS
ATSI

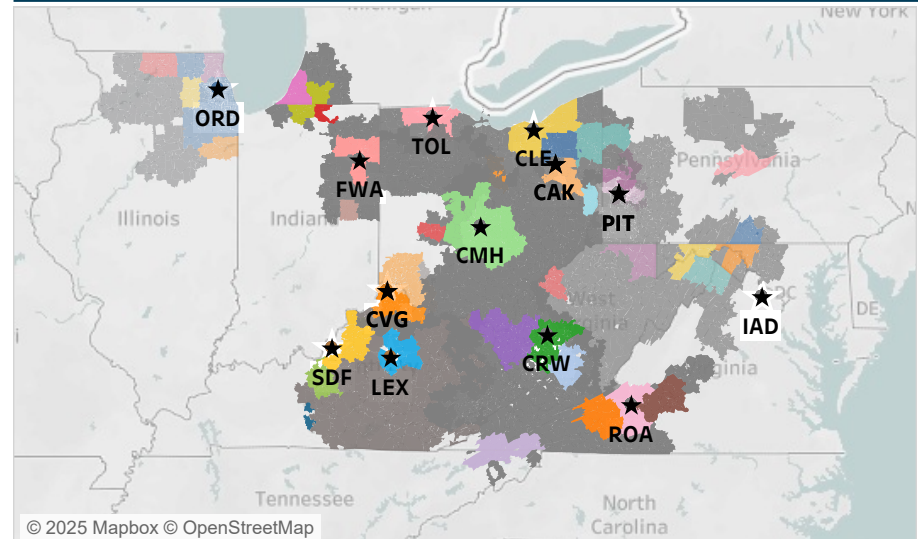
COMED
DAYTON
DEOK

DLCO
EKPC
OVEC

Winter Peak



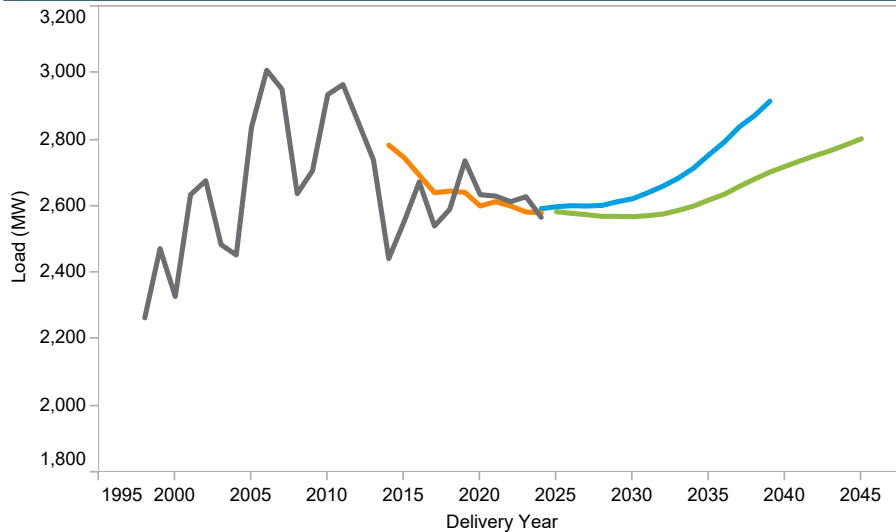
Metropolitan Statistical Areas and Weather Stations



■ Peak ■ WN peak ■ Forecast 2024 ■ Forecast 2025

Atlantic Electric (AE)

Summer Peak



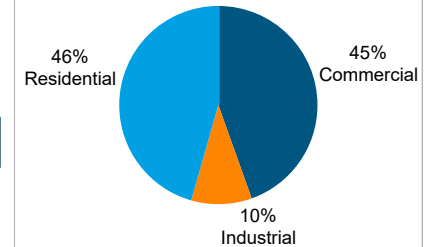
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	74.3
Avg Summer Max Temp	97.0
Avg Winter Daily Temp	36.8
Avg Winter Min Temp	6.1

Zonal 10/15/20 Year Load Growth

SUMMER	0.1%	0.3%	0.4%
WINTER	2.4%	2.3%	2.2%

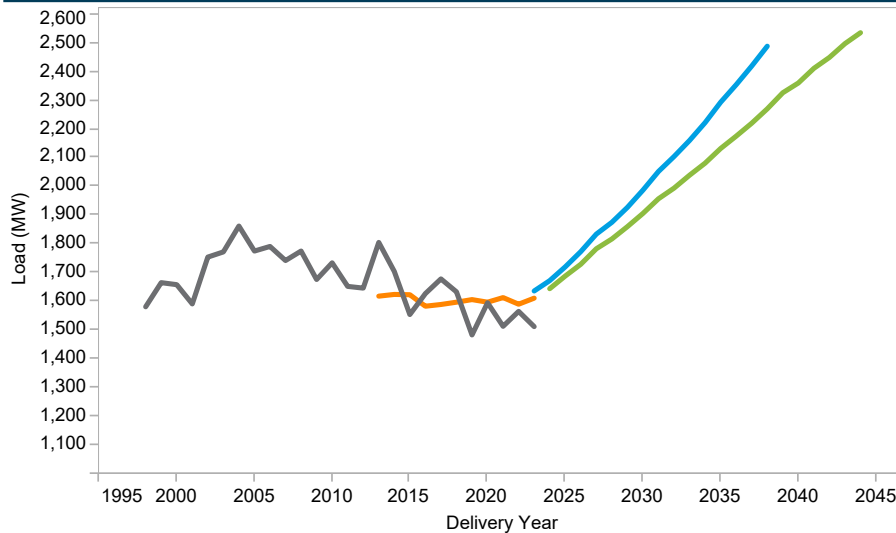
RCI Makeup



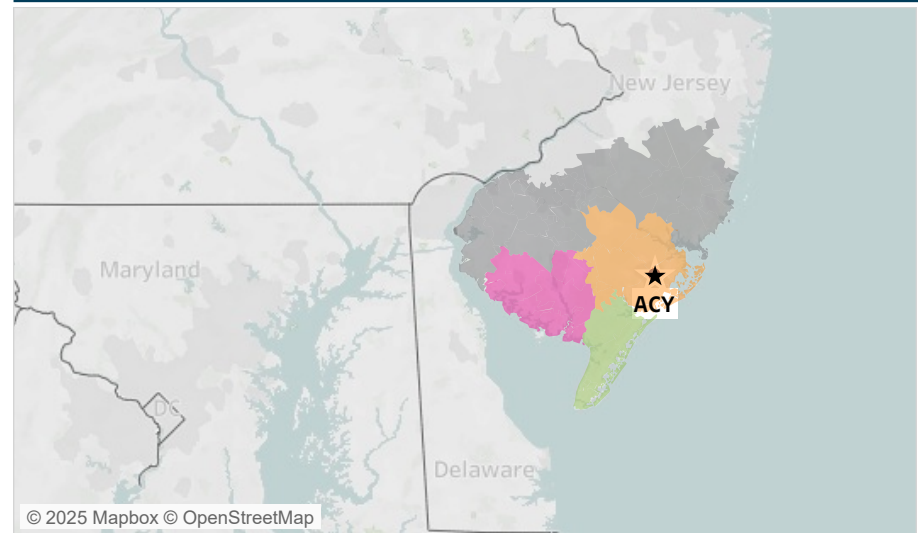
LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations



■ Peak ■ WN peak ■ Forecast 2024 ■ Forecast 2025

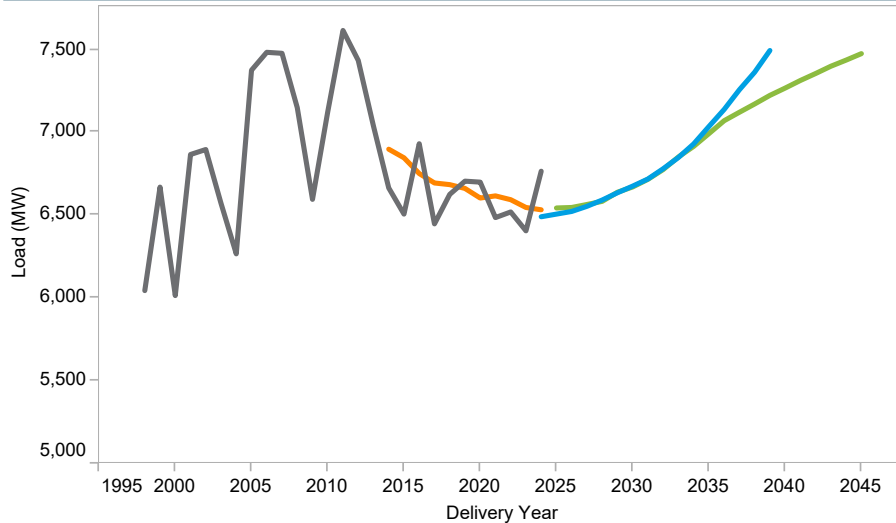
MSA

■ AE - Non-Metro
■ Atlantic City-Hammonton, NJ

■ Ocean City, NJ
■ Vineland-Bridgeton, NJ

Baltimore Gas & Electric (BGE)

Summer Peak



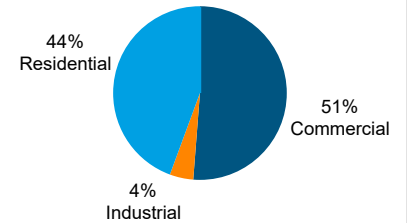
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	76.1
Avg Summer Max Temp	98.0
Avg Winter Daily Temp	36.9
Avg Winter Min Temp	8.0

Zonal 10/15/20 Year Load Growth

SUMMER	0.7%	0.7%	0.7%
WINTER	1.0%	1.0%	0.9%

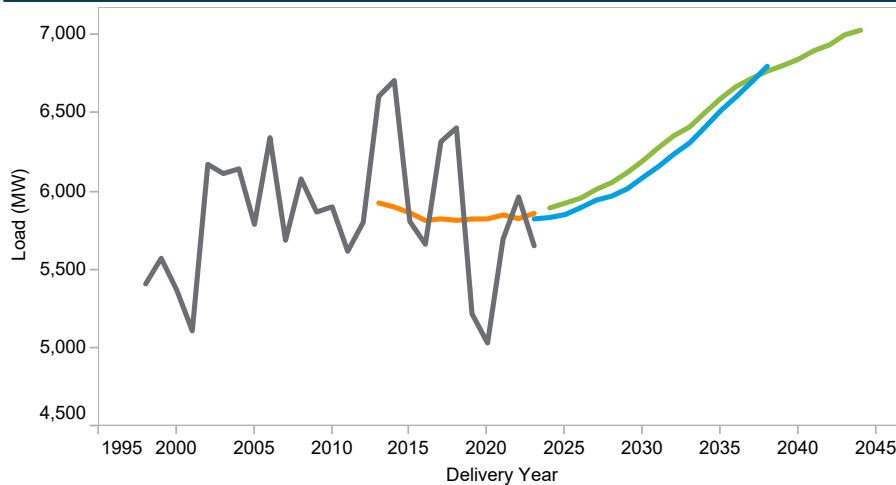
RCI Makeup



LDAs

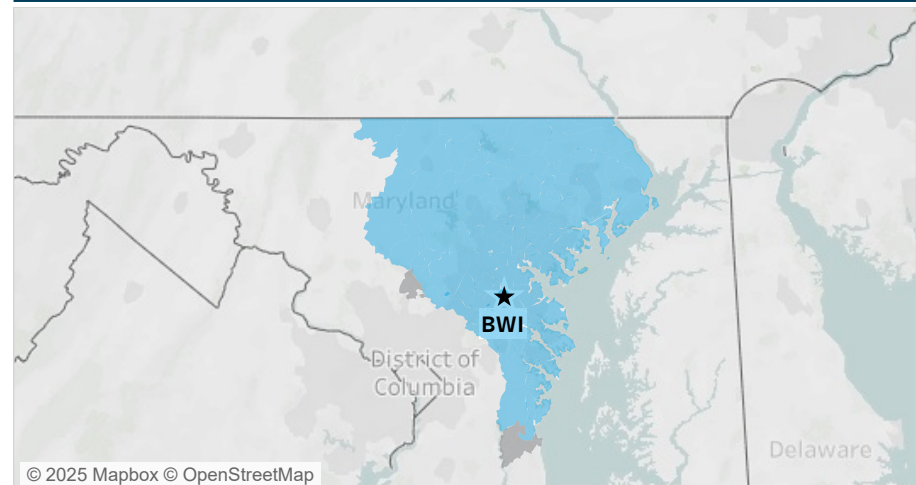
CENTRAL MID-ATLANTIC PJM MID-ATLANTIC PJM RTO
SOUTHERN MID-ATLANTIC

Winter Peak



Peak WN peak Forecast 2024 Forecast 2025

Metropolitan Statistical Areas and Weather Stations

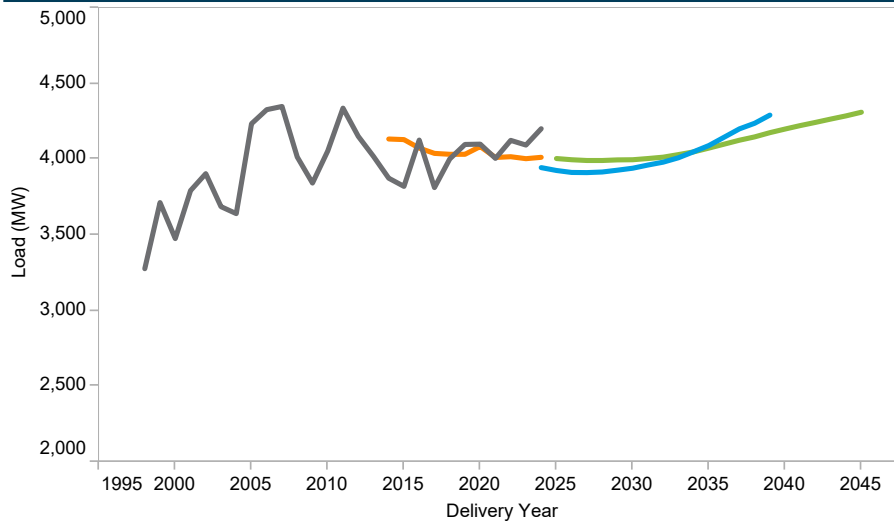


MSA

Baltimore-Columbia-Towson, MD
BGE - Non-Metro

Delmarva Power and Light (DPL)

Summer Peak



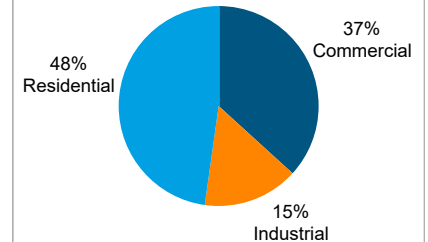
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	75.5
Avg Summer Max Temp	95.1
Avg Winter Daily Temp	37.2
Avg Winter Min Temp	9.7

Zonal 10/15/20 Year Load Growth

SUMMER	0.2%	0.3%	0.4%
WINTER	0.6%	0.6%	0.6%

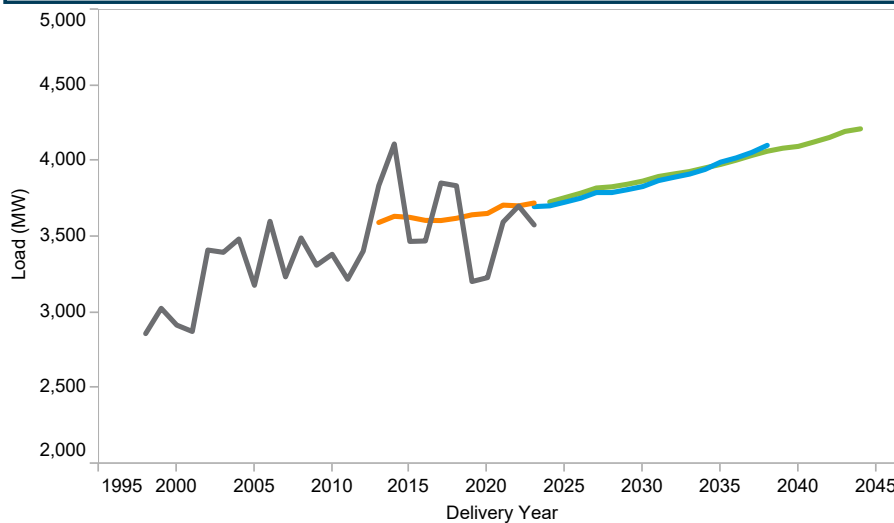
RCI Makeup



LDAs

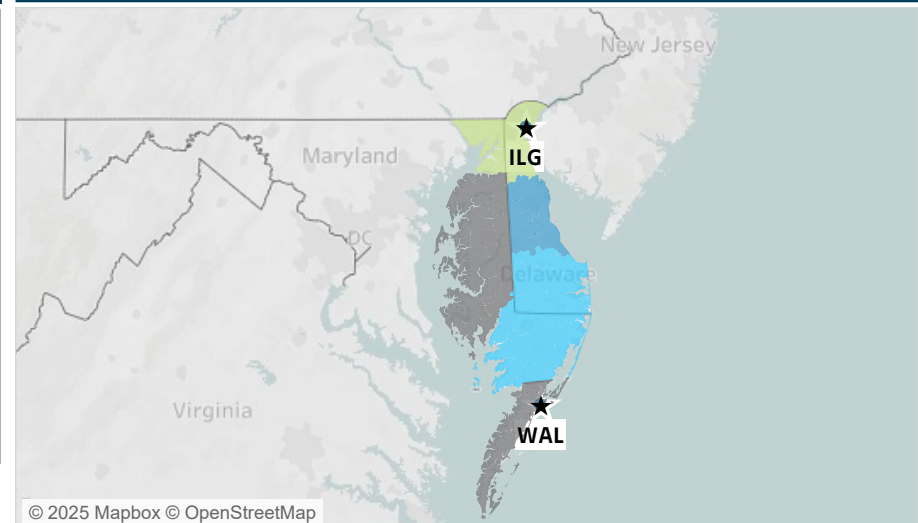
EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Peak WN peak Forecast 2024 Forecast 2025

Metropolitan Statistical Areas and Weather Stations



MSA

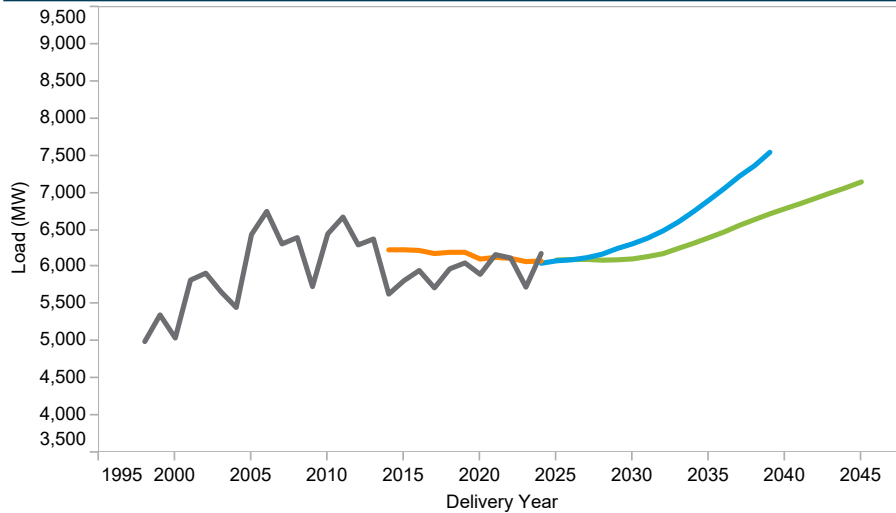
Dover, DE
DPL - Non-Metro

Salisbury, MD-DE
Wilmington, DE-MD-NJ



Jersey Central Power and Light (JCPL)

Summer Peak



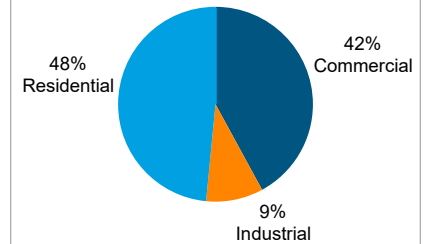
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	75.7
Avg Summer Max Temp	98.1
Avg Winter Daily Temp	36.1
Avg Winter Min Temp	7.5

Zonal 10/15/20 Year Load Growth

SUMMER	0.5%	0.7%	0.8%
WINTER	3.9%	3.6%	3.3%

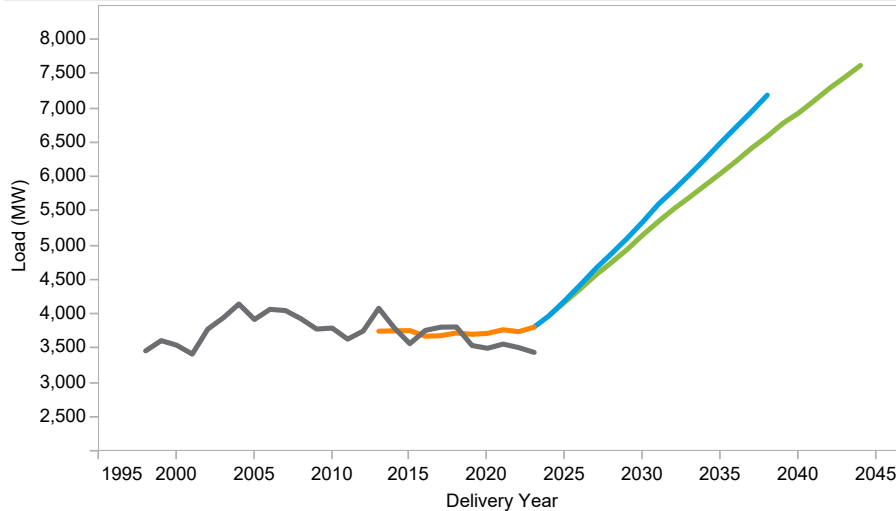
RCI Makeup



LDAs

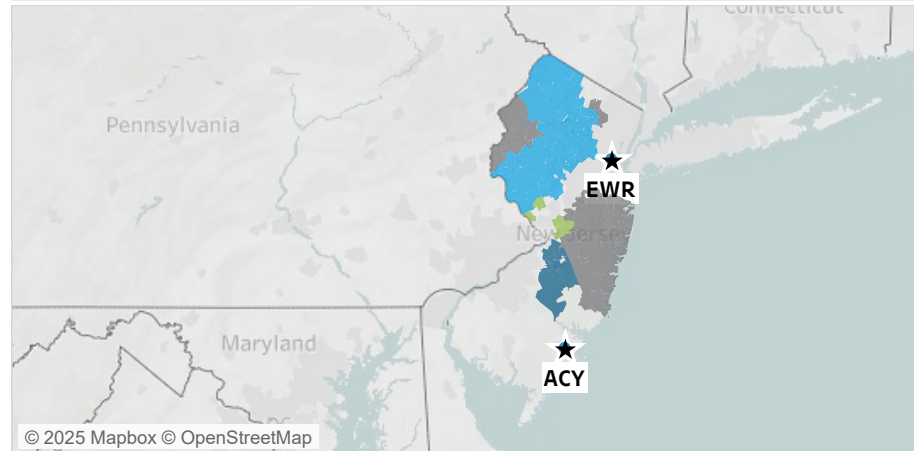
EASTERN MID-ATLANTIC GPU PJM MID-ATLANTIC PJM RTO

Winter Peak



Peak WN peak Forecast 2024 Forecast 2025

Metropolitan Statistical Areas and Weather Stations

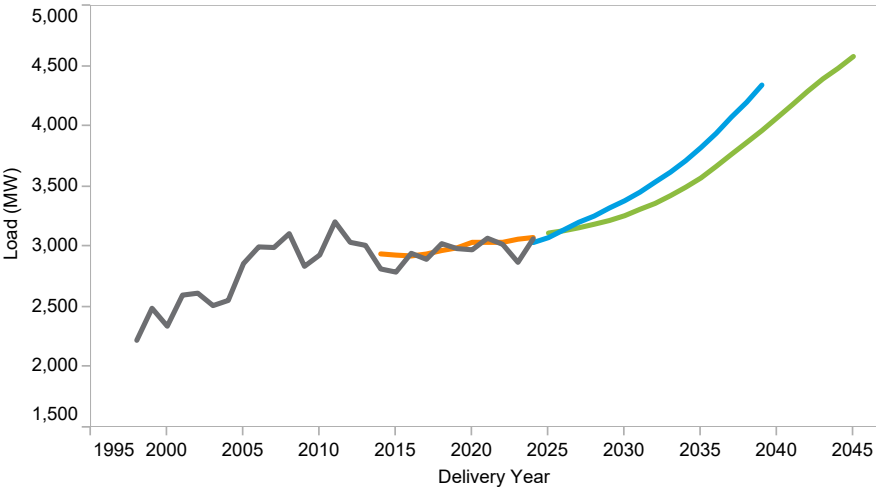


MSA

Camden, NJ
JCPL - Non-Metro
Newark, NJ-PA
Trenton, NJ

Metropolitan Edison (METED)

Summer Peak



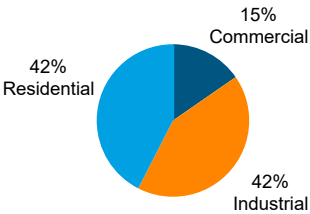
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	74.7
Avg Summer Max Temp	95.8
Avg Winter Daily Temp	34.6
Avg Winter Min Temp	6.7

Zonal 10/15/20 Year Load Growth

SUMMER	1.4%	1.8%	1.9%
WINTER	1.6%	2.0%	2.1%

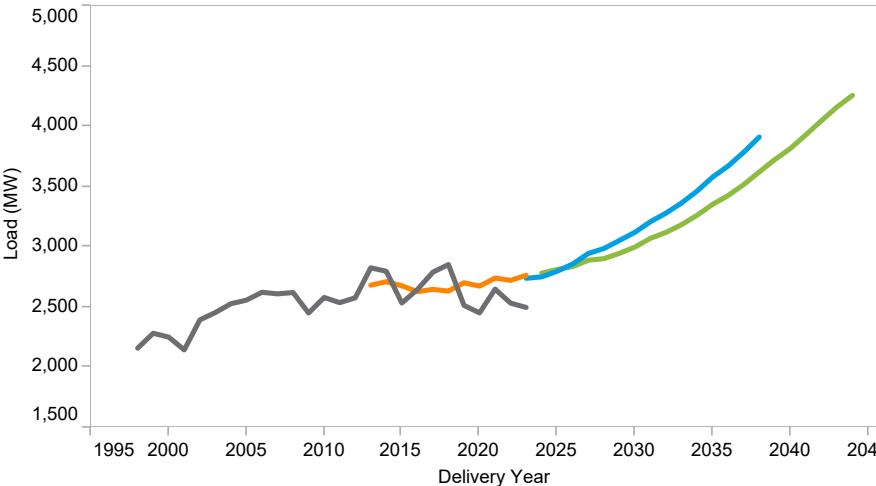
RCI Makeup



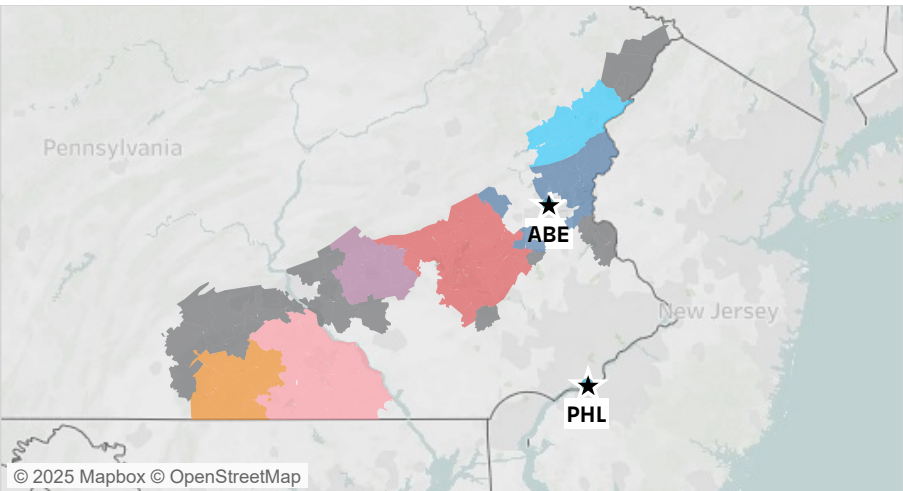
LDAs

CENTRAL MID-ATLANTIC GPU PJM MID-ATLANTIC PJM RTO
WESTERN MID-ATLANTIC

Winter Peak



Metropolitan Statistical Areas and Weather Stations



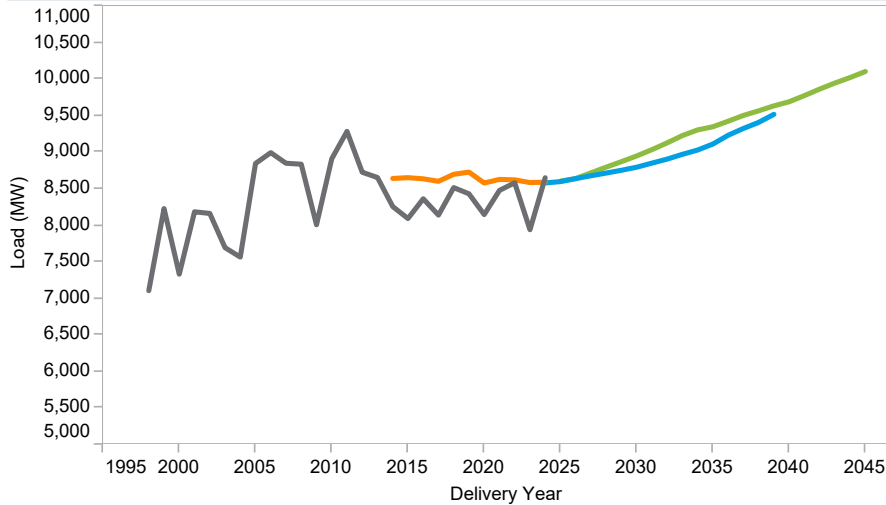
Peak WN peak Forecast 2024 Forecast 2025

MSA

- Allentown-Bethlehem-Easton, PA-NJ
- East Stroudsburg, PA
- Gettysburg, PA
- Lebanon, PA
- METED - Non-Metro
- Reading, PA
- York-Hanover, PA

PECO Energy (PECO)

Summer Peak



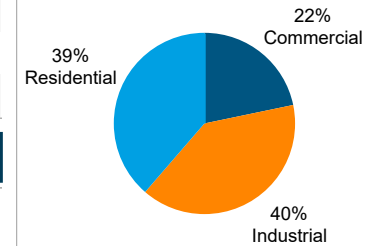
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	76.6
Avg Summer Max Temp	97.1
Avg Winter Daily Temp	36.8
Avg Winter Min Temp	9.4

Zonal 10/15/20 Year Load Growth

SUMMER	0.8%	0.8%	0.8%
WINTER	1.3%	1.1%	1.0%

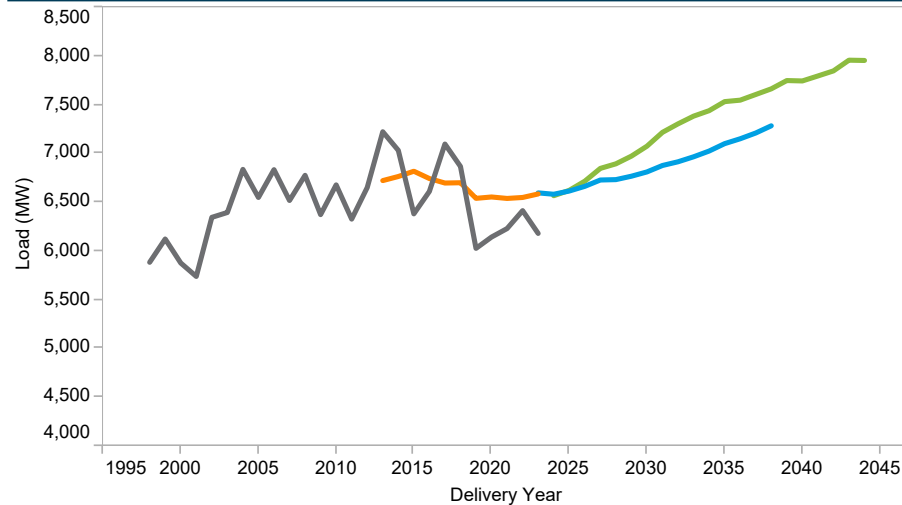
RCI Makeup



LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



■ Peak ■ WN peak ■ Forecast 2024 ■ Forecast 2025

Metropolitan Statistical Areas and Weather Stations



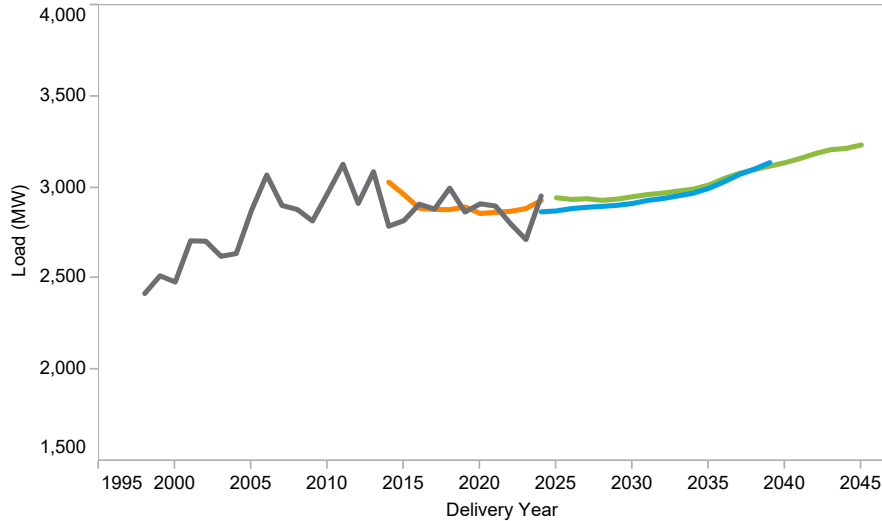
MSA

■ Montgomery County-Bucks County-Chester County, PA
 ■ PECO - Non-Metro
 ■ Philadelphia, PA



Pennsylvania Electric Company (PENLC)

Summer Peak



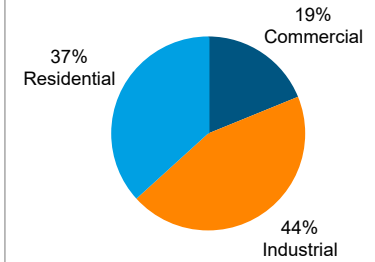
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	71.1
Avg Summer Max Temp	91.7
Avg Winter Daily Temp	30.5
Avg Winter Min Temp	2.1

Zonal 10/15/20 Year Load Growth

SUMMER	0.2%	0.4%	0.5%
WINTER	0.3%	0.4%	0.4%

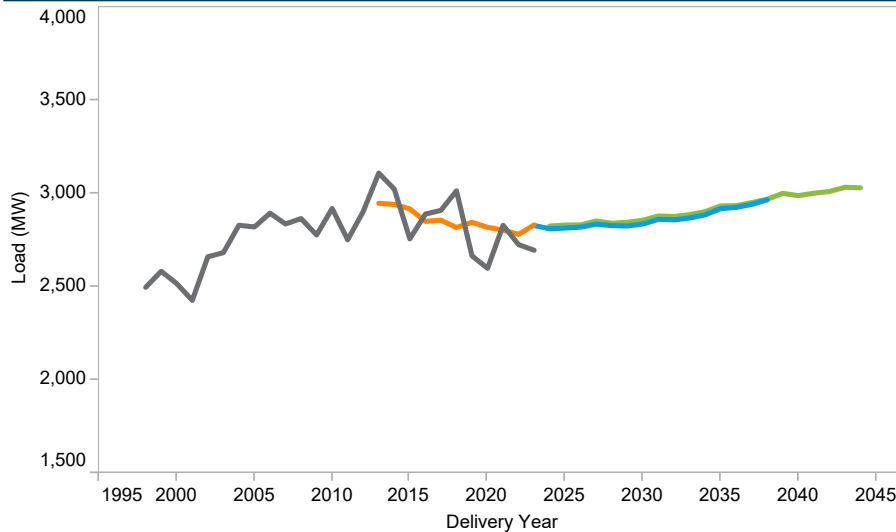
RCI Makeup



LDAs

GPU PJM MID-ATLANTIC PJM RTO WESTERN MID-ATLANTIC

Winter Peak



Peak WN peak Forecast 2024 Forecast 2025

Metropolitan Statistical Areas and Weather Stations



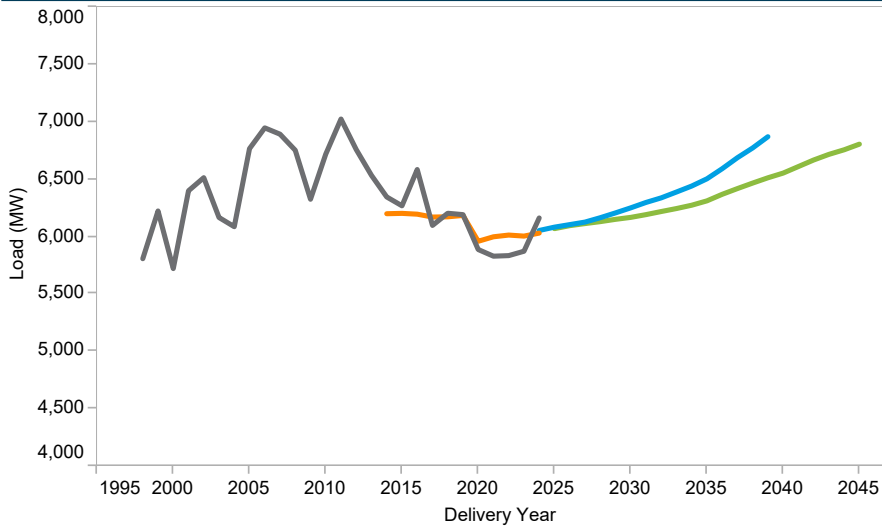
MSA

Altoona, PA
Erie, PA

Johnstown, PA
PENLC - Non-Metro

Potomac Electric Power (PEPCO)

Summer Peak



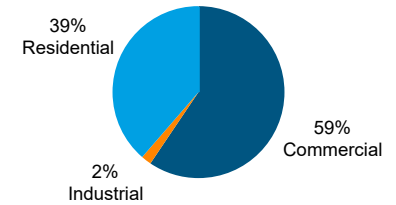
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	78.1
Avg Summer Max Temp	98.0
Avg Winter Daily Temp	39.2
Avg Winter Min Temp	12.8

Zonal 10/15/20 Year Load Growth

SUMMER	0.4%	0.5%	0.6%
WINTER	0.6%	0.6%	0.6%

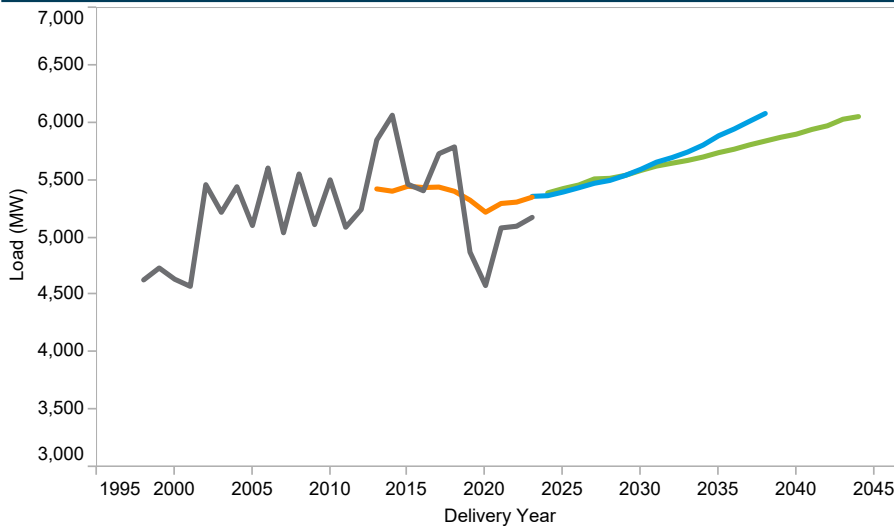
RCI Makeup



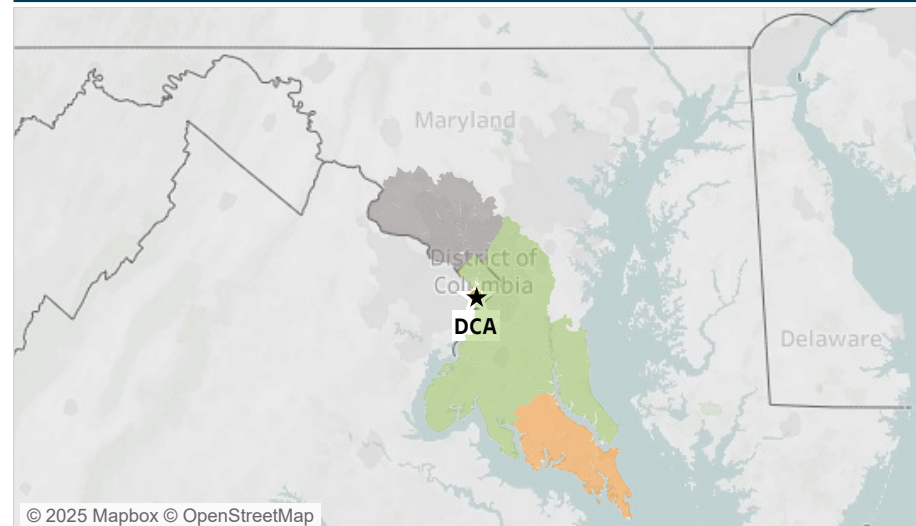
LDAs

CENTRAL MID-ATLANTIC PJM MID-ATLANTIC PJM RTO
SOUTHERN MID-ATLANTIC

Winter Peak



Metropolitan Statistical Areas and Weather Stations



Peak WN peak Forecast 2024 Forecast 2025

MSA

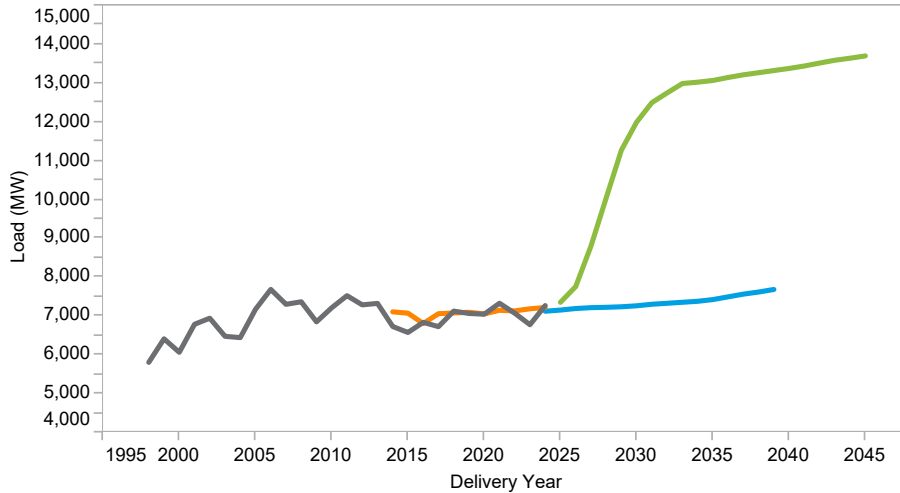
California-Lexington Park, MD
PEPCO - Non-Metro

Washington-Arlington-Alexandria, DC-VA-MD



PPL Electric Utilities (PL)

Summer Peak



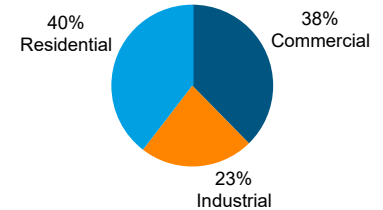
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	72.4
Avg Summer Max Temp	94.2
Avg Winter Daily Temp	31.7
Avg Winter Min Temp	2.9

Zonal 10/15/20 Year Load Growth

SUMMER	5.9%	4.1%	3.2%
WINTER	5.8%	4.0%	3.0%

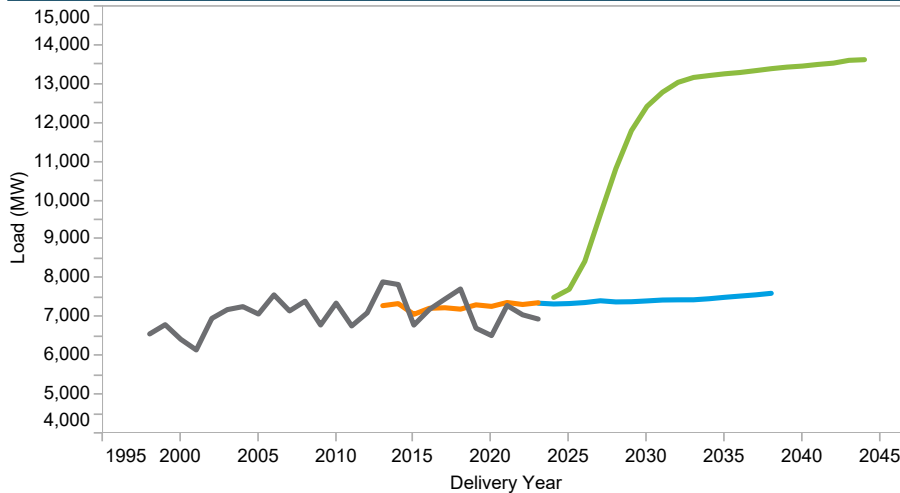
RCI Makeup



LDAs

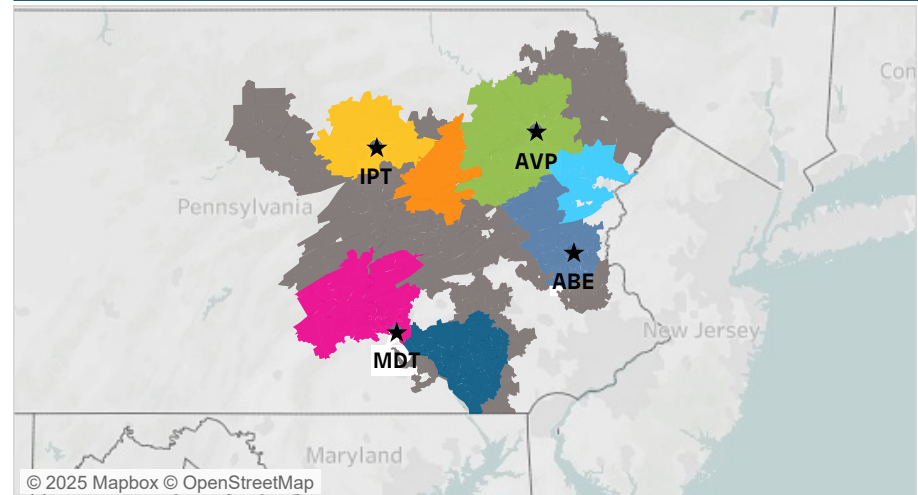
CENTRAL MID-ATLANTIC PJM MID-ATLANTIC PJM RTO
PLGRP WESTERN MID-ATLANTIC

Winter Peak



Peak WN peak Forecast 2024 Forecast 2025

Metropolitan Statistical Areas and Weather Stations

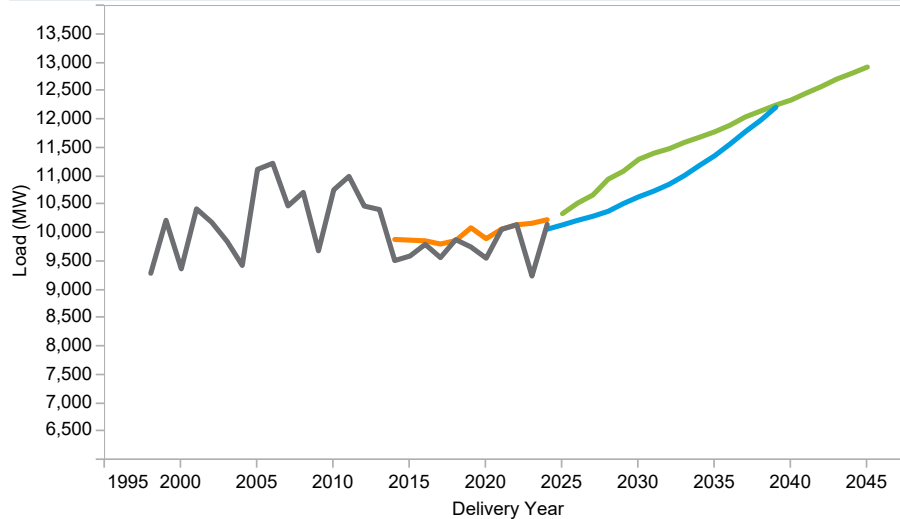


MSA

Allentown-Bethlehem-Easton, PA-NJ	Lancaster, PA
Bloomsburg-Berwick, PA	PL - Non-Metro
East Stroudsburg, PA	Scranton--Wilkes-Barre--Hazleton, PA
Harrisburg-Carlisle, PA	Williamsport, PA

Public Service Electric & Gas (PS)

Summer Peak



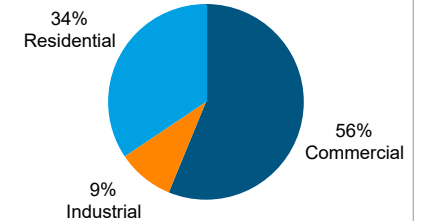
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	76.1
Avg Summer Max Temp	98.9
Avg Winter Daily Temp	35.8
Avg Winter Min Temp	7.4

Zonal 10/15/20 Year Load Growth

SUMMER	1.3%	1.2%	1.1%
WINTER	4.0%	3.3%	2.9%

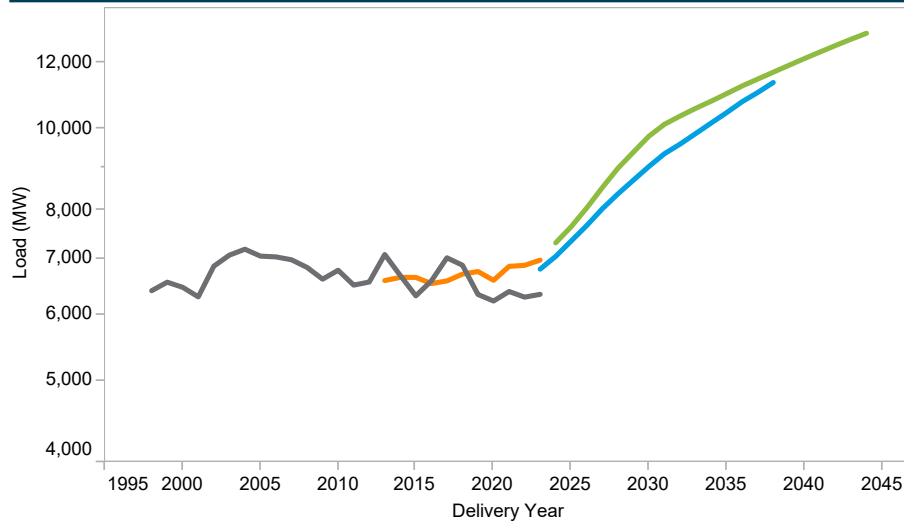
RCI Makeup



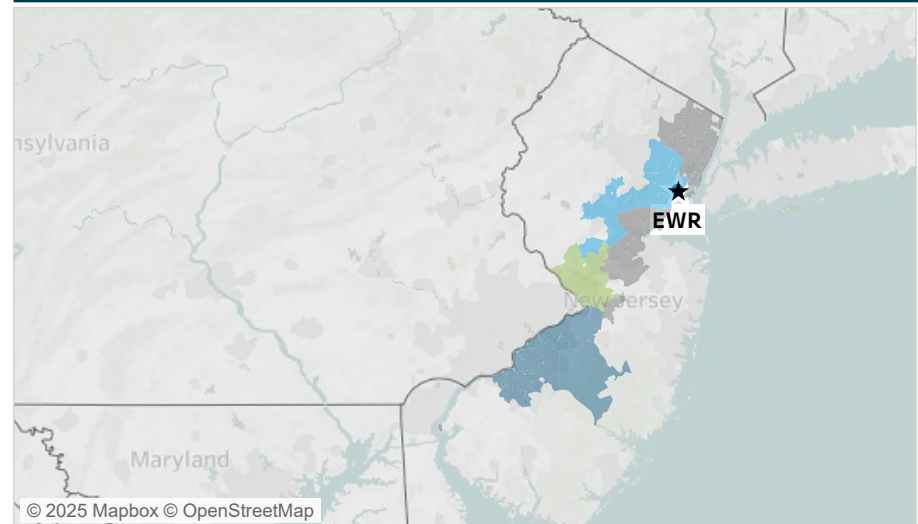
LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



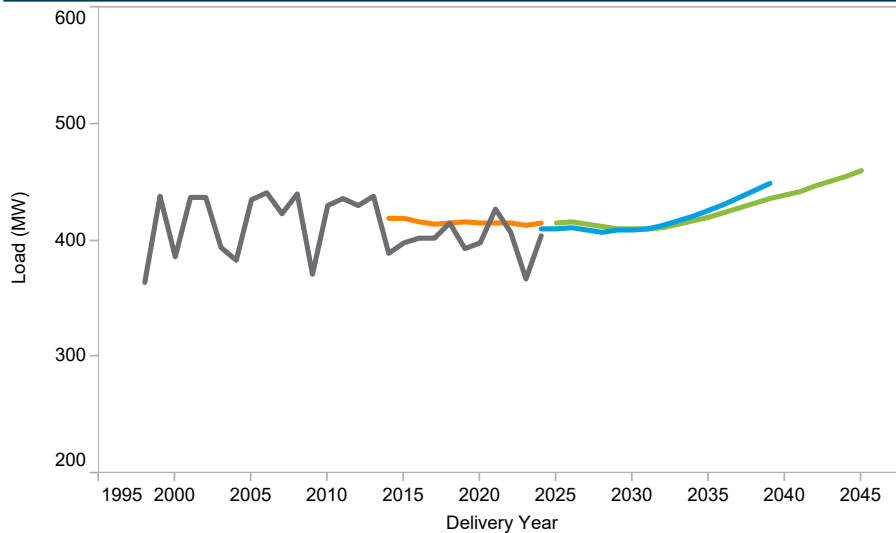
Metropolitan Statistical Areas and Weather Stations



Peak WN peak Forecast 2024 Forecast 2025

Rockland Electric Company (RECO)

Summer Peak



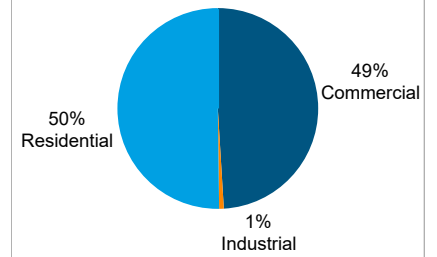
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	76.1
Avg Summer Max Temp	98.9
Avg Winter Daily Temp	35.8
Avg Winter Min Temp	7.4

Zonal 10/15/20 Year Load Growth

SUMMER	0.1%	0.4%	0.5%
WINTER	2.6%	2.5%	2.3%

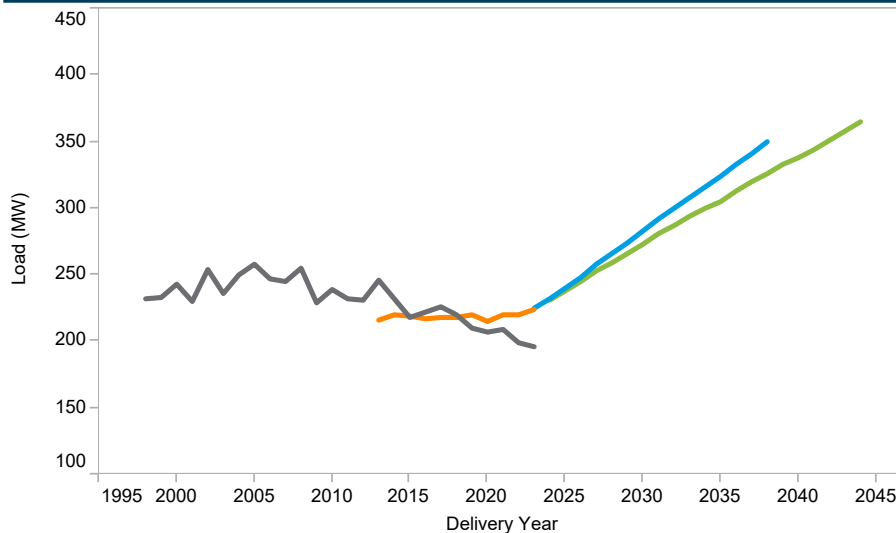
RCI Makeup



LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations



Peak WN peak Forecast 2024 Forecast 2025

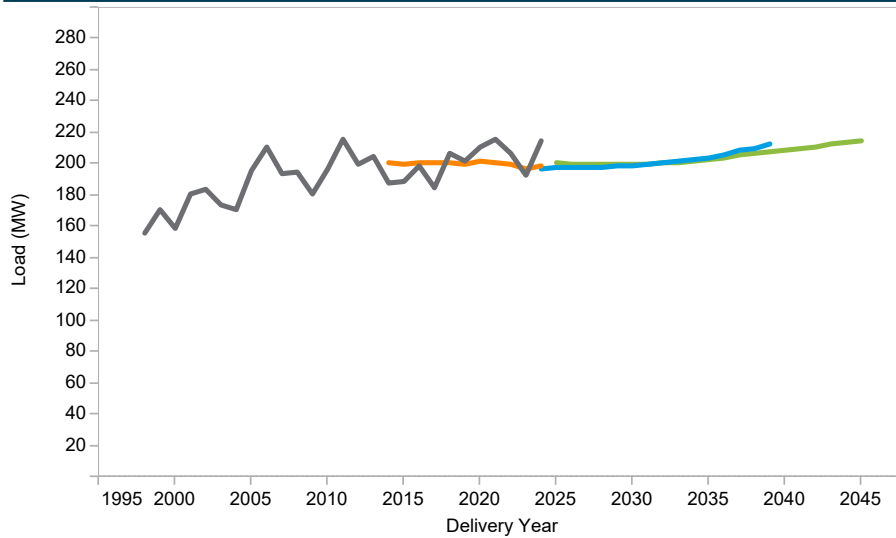
MSA

New York-Jersey City-White Plains, NY-NJ
Newark, NJ-PA



UGI Energy Services (UGI)

Summer Peak



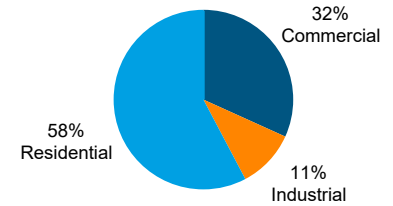
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	70.6
Avg Summer Max Temp	93.2
Avg Winter Daily Temp	30.1
Avg Winter Min Temp	-1.0

Zonal 10/15/20 Year Load Growth

SUMMER	0.1%	0.3%	0.3%
WINTER	0.1%	0.3%	0.3%

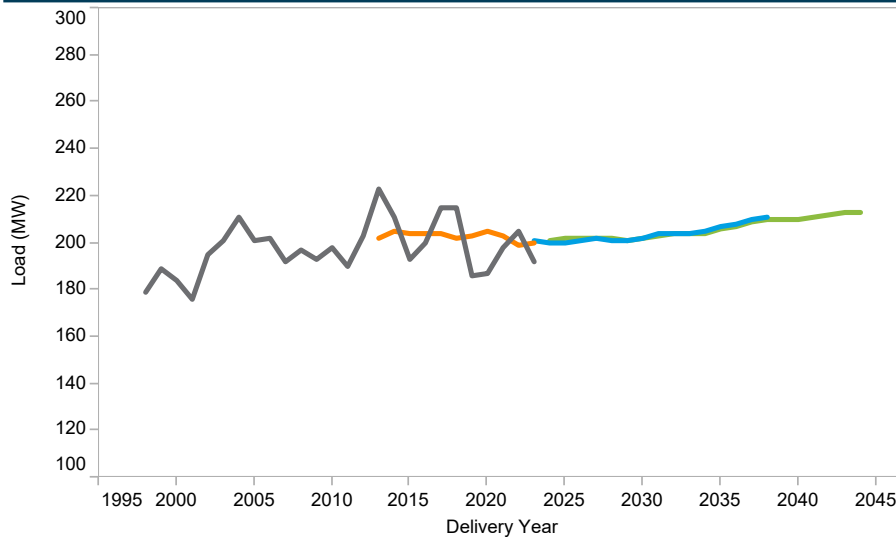
RCI Makeup



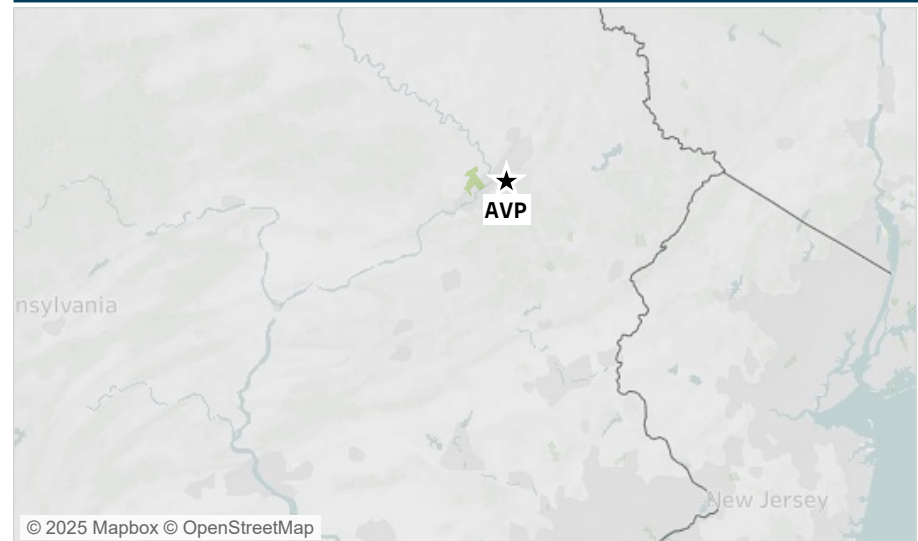
LDAs

CENTRAL MID-ATLANTIC PJM MID-ATLANTIC PJM RTO
PLGRP WESTERN MID-ATLANTIC

Winter Peak



Metropolitan Statistical Areas and Weather Stations



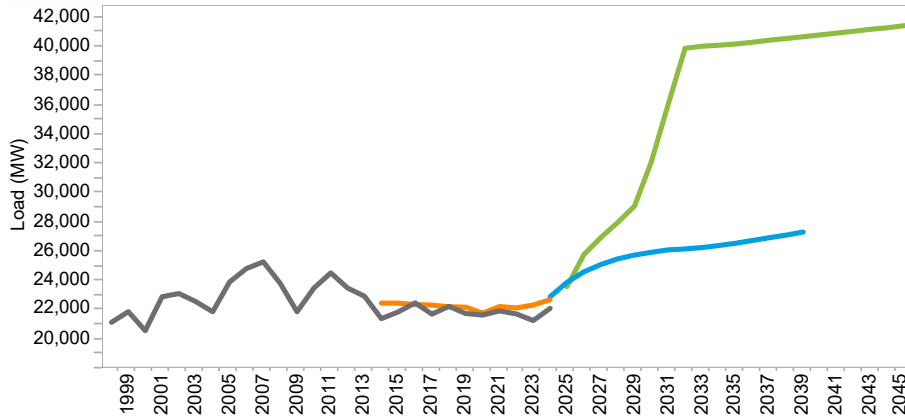
Peak WN peak Forecast 2024 Forecast 2025

MSA

Scranton--Wilkes-Barre--Hazleton, PA

American Electric Power (AEP)

Summer Peak



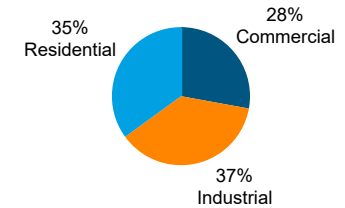
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	73.2
Avg Summer Max Temp	92.3
Avg Winter Daily Temp	33.4
Avg Winter Min Temp	2.9

Zonal 10/15/20 Year Load Growth

SUMMER	5.5%	3.7%	2.9%
WINTER	5.9%	4.0%	3.1%

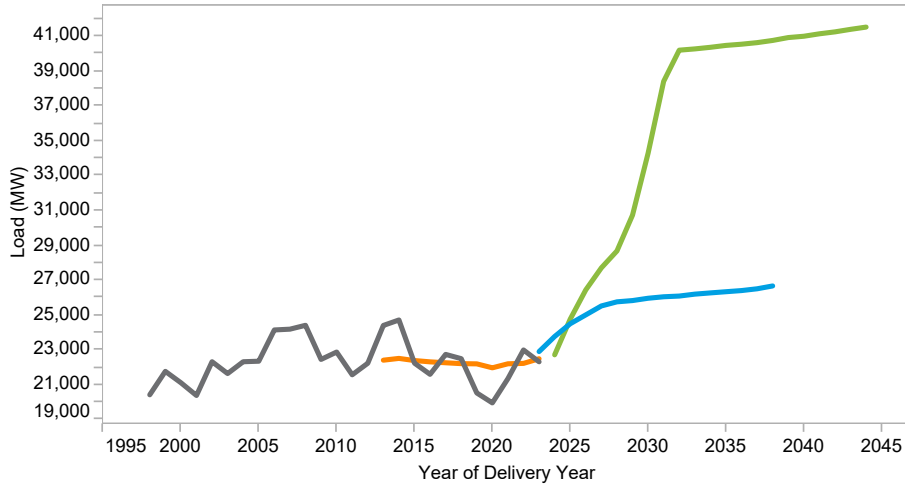
RCI Makeup



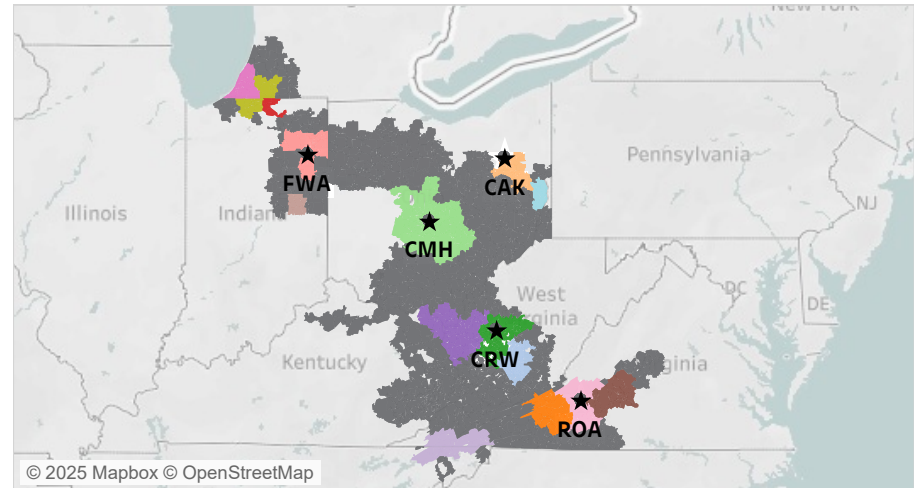
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations



Peak

WN peak

Forecast 2024

Forecast 2025

MSA

AEP - Non-Metro

Beckley, WV

Blacksburg-Christiansburg-Radford, VA

Canton-Massillon, OH

Charleston, WV

Columbus, OH

Elkhart-Goshen, IN

Fort Wayne, IN

Huntington-Ashland, WV-KY-OH

Kingsport-Bristol-Bristol, TN-VA

Lynchburg, VA

Muncie, IN

Niles-Benton Harbor, MI

Roanoke, VA

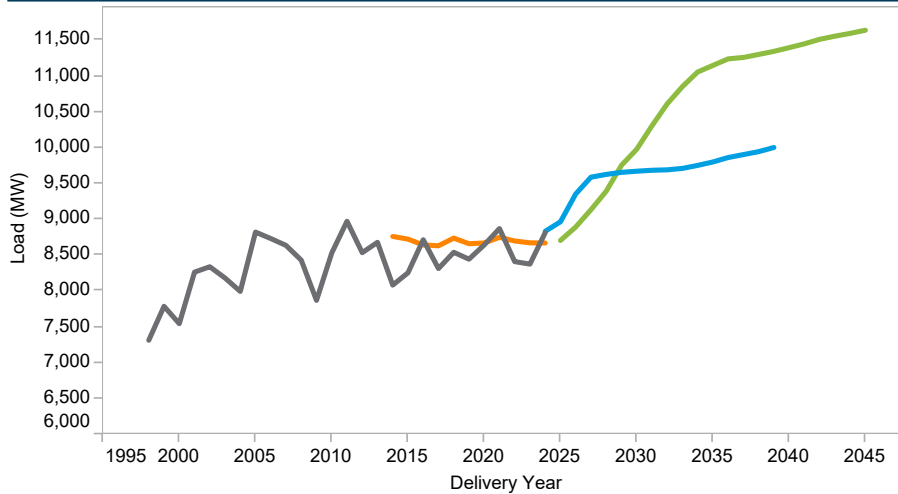
South Bend-Mishawaka, IN-MI

Weirton-Steubenville, WV-OH



Allegheny Power Systems (APS)

Summer Peak



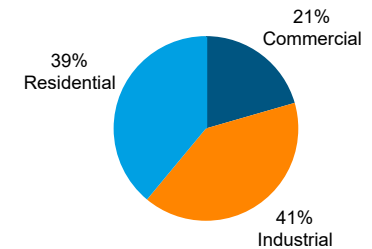
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	72.8
Avg Summer Max Temp	92.6
Avg Winter Daily Temp	33.1
Avg Winter Min Temp	2.4

Zonal 10/15/20 Year Load Growth

SUMMER	2.5%	1.8%	1.5%
WINTER	2.6%	1.9%	1.5%

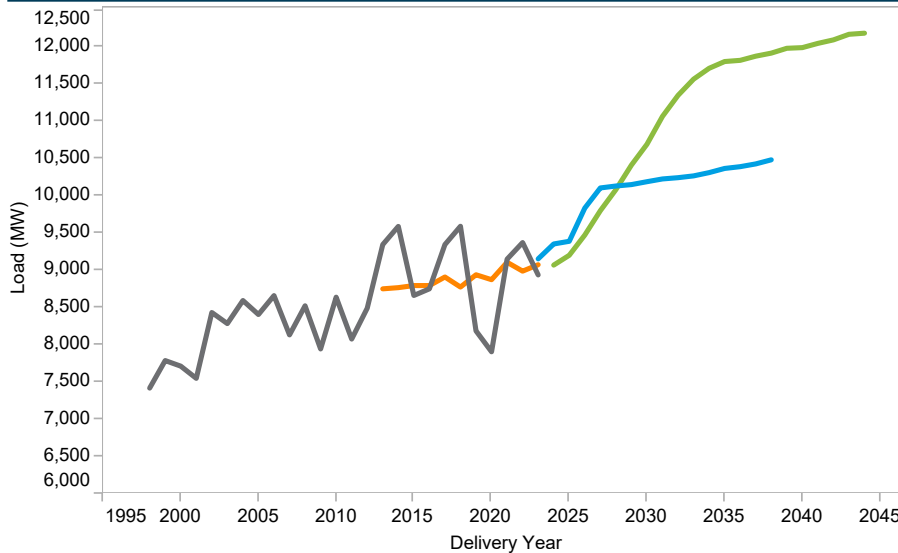
RCI Makeup



LDAs

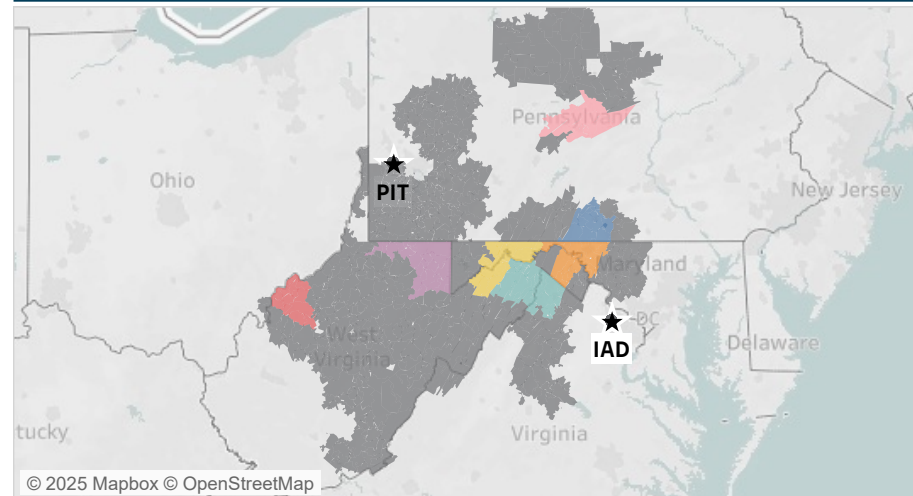
PJM RTO PJM WESTERN

Winter Peak



Peak WN peak Forecast 2024 Forecast 2025

Metropolitan Statistical Areas and Weather Stations

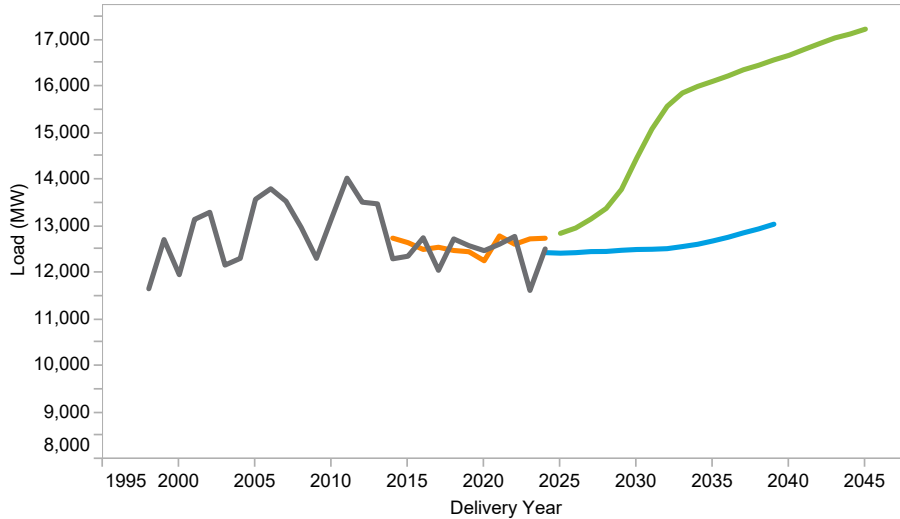


MSA

APS - Non-metro	Morgantown, WV
Chambersburg-Waynesboro, PA	Parkersburg-Vienna, WV
Cumberland, MD-WV	State College, PA
Hagerstown-Martinsburg, MD-WV	Winchester, VA-WV

American Transmission Systems, Inc (ATSI)

Summer Peak



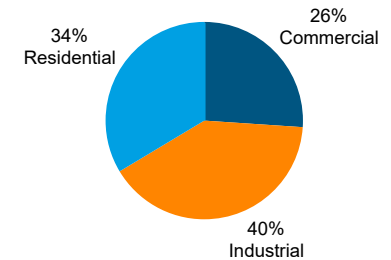
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	71.6
Avg Summer Max Temp	91.9
Avg Winter Daily Temp	30.2
Avg Winter Min Temp	-1.0

Zonal 10/15/20 Year Load Growth

SUMMER	2.3%	1.8%	1.5%
WINTER	2.9%	2.2%	1.8%

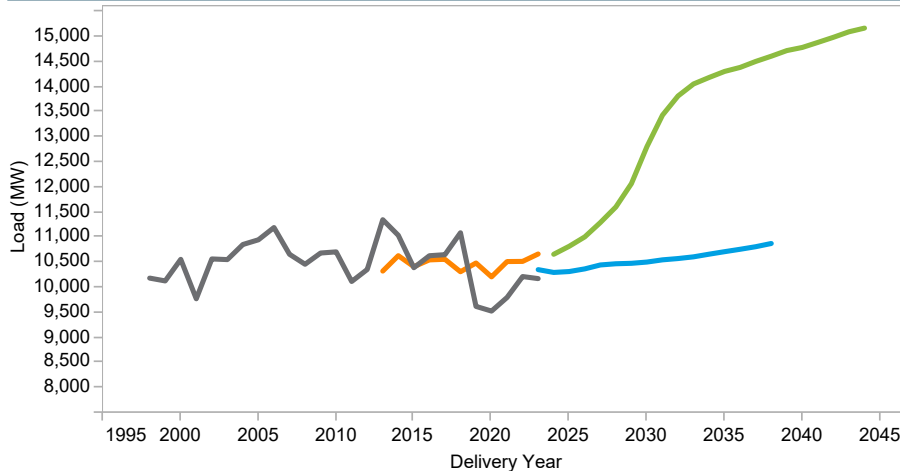
RCI Makeup



LDAs

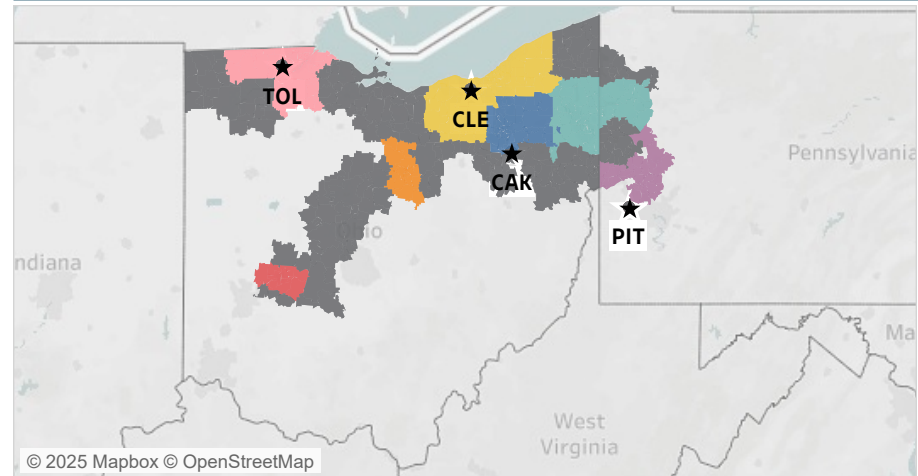
PJM RTO PJM WESTERN

Winter Peak



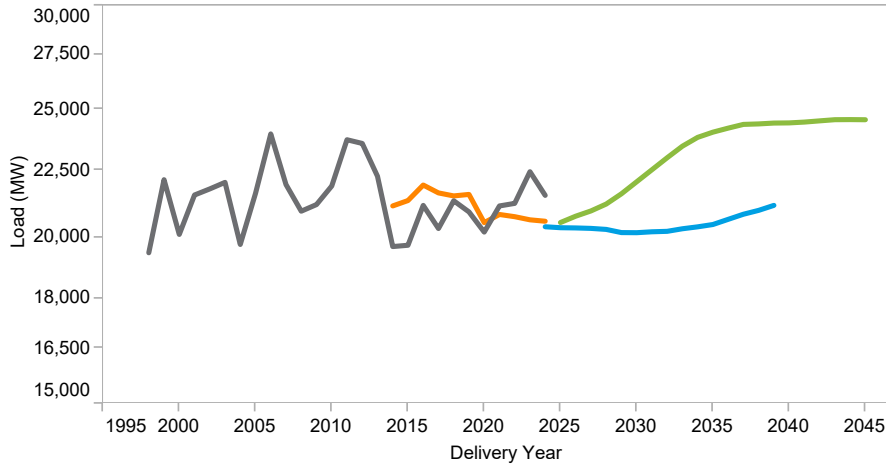
Peak
 WN peak
 Forecast 2024
 Forecast 2025

Metropolitan Statistical Areas and Weather Stations



Commonwealth Edison (COMED)

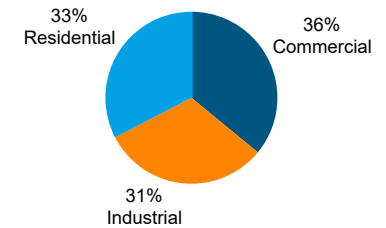
Summer Peak



Weather - Annual Average 1993-2023

Avg Summer Daily Temp	73.0
Avg Summer Max Temp	95.5
Avg Winter Daily Temp	27.8
Avg Winter Min Temp	-7.1

RCI Makeup



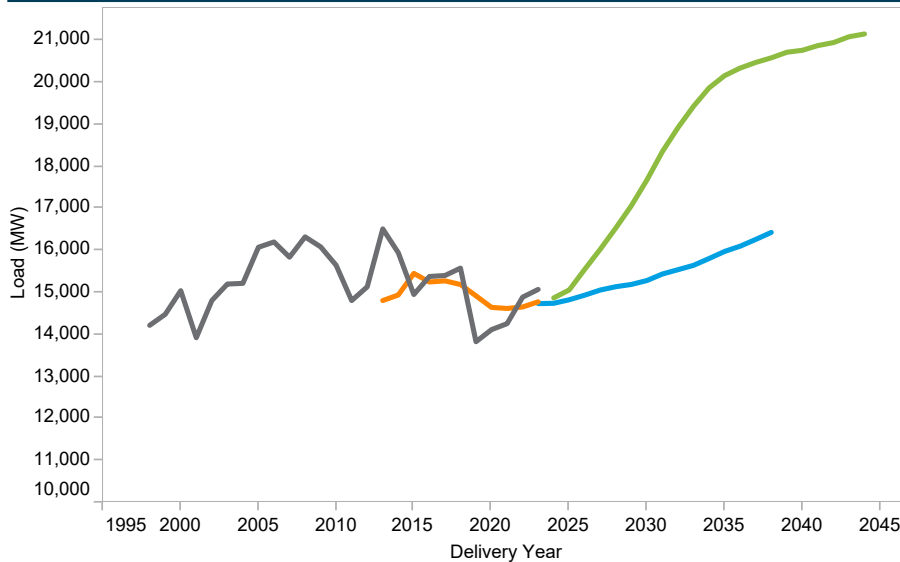
Zonal 10/15/20 Year Load Growth

SUMMER	1.6%	1.2%	0.9%
WINTER	2.9%	2.2%	1.8%

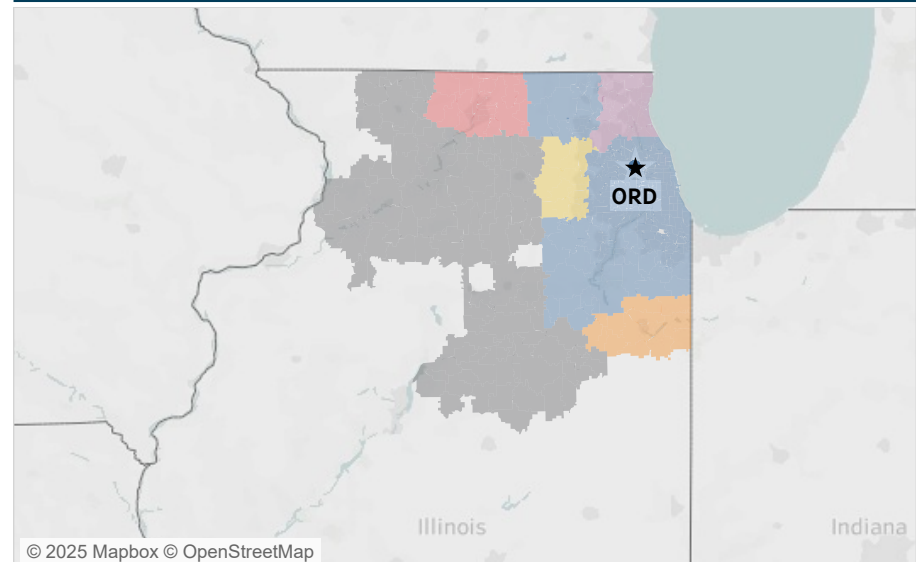
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations



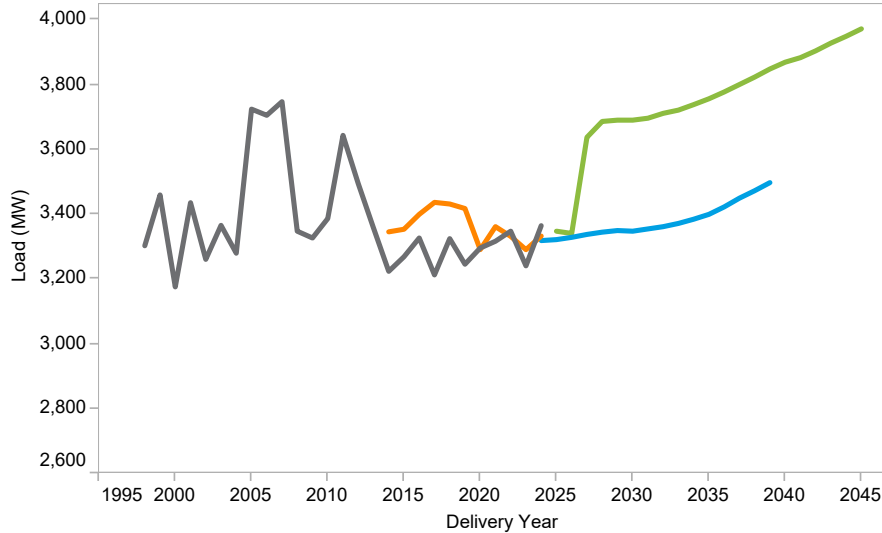
MSA

Chicago-Naperville-Arlington Heights, IL	Kankakee, IL
Chicago-Naperville-Elgin, IL-IN-WI	Lake County-Kenosha County, IL-WI
COMED - Non-Metro	Rockford, IL

Peak WN peak Forecast 2024 Forecast 2025

Dayton Power and Light (DAYTON)

Summer Peak



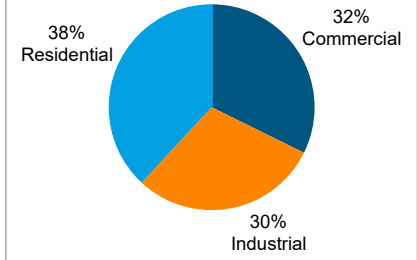
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	73.2
Avg Summer Max Temp	93.2
Avg Winter Daily Temp	31.3
Avg Winter Min Temp	-3.0

Zonal 10/15/20 Year Load Growth

SUMMER	1.2%	1.0%	0.9%
WINTER	1.3%	1.0%	0.9%

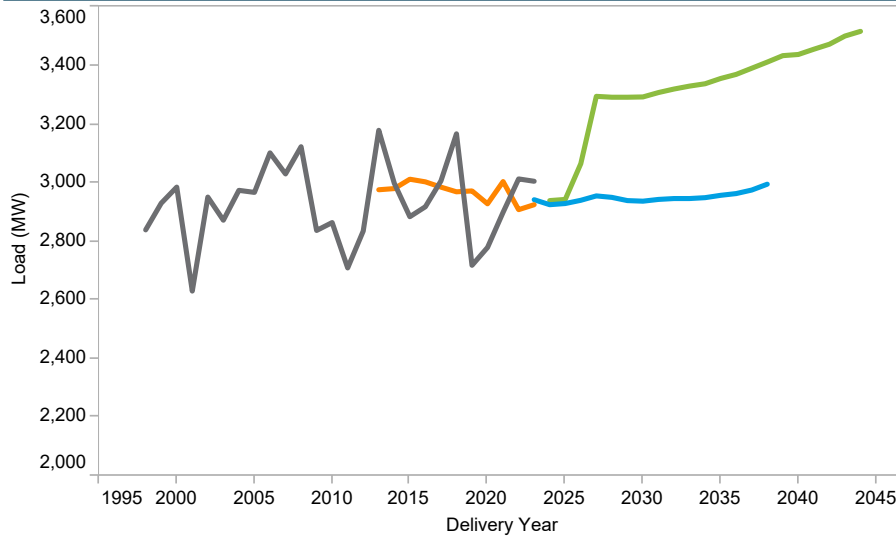
RCI Makeup



LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations



Peak WN peak Forecast 2024 Forecast 2025

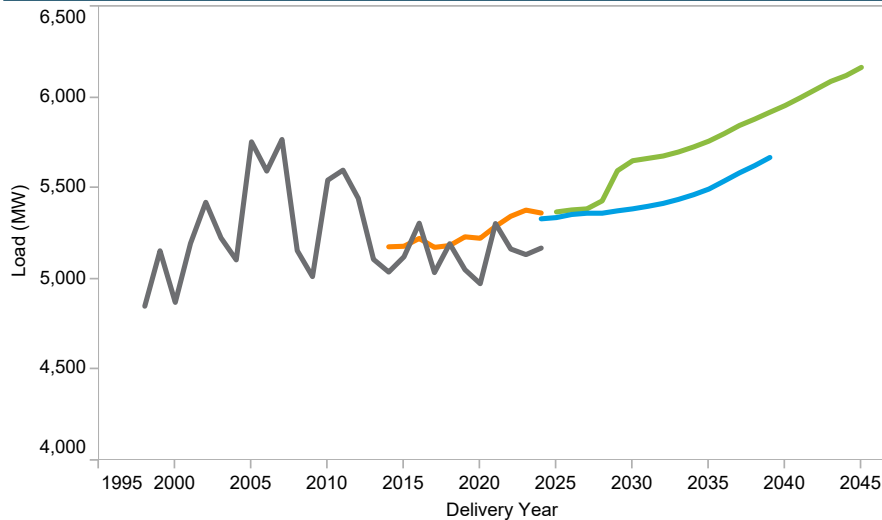
MSA

DAY - Non-Metro
Dayton, OH



Duke Energy Ohio and Kentucky (DEOK)

Summer Peak



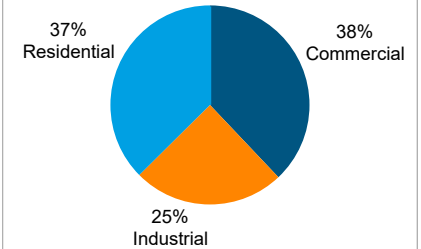
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	74.4
Avg Summer Max Temp	94.2
Avg Winter Daily Temp	34.1
Avg Winter Min Temp	-1.1

Zonal 10/15/20 Year Load Growth

SUMMER	0.7%	0.7%	0.7%
WINTER	0.9%	0.8%	0.8%

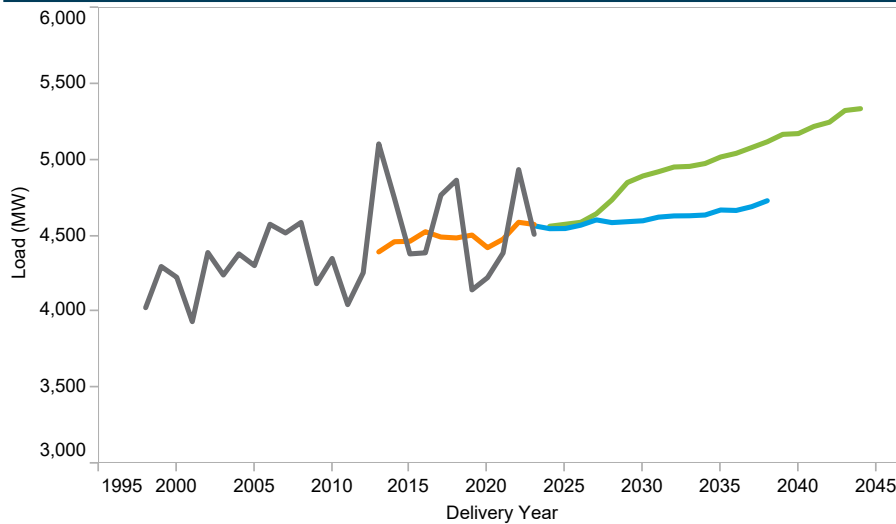
RCI Makeup



LDAs

PJM RTO PJM WESTERN

Winter Peak



Peak WN peak Forecast 2024 Forecast 2025

Metropolitan Statistical Areas and Weather Stations



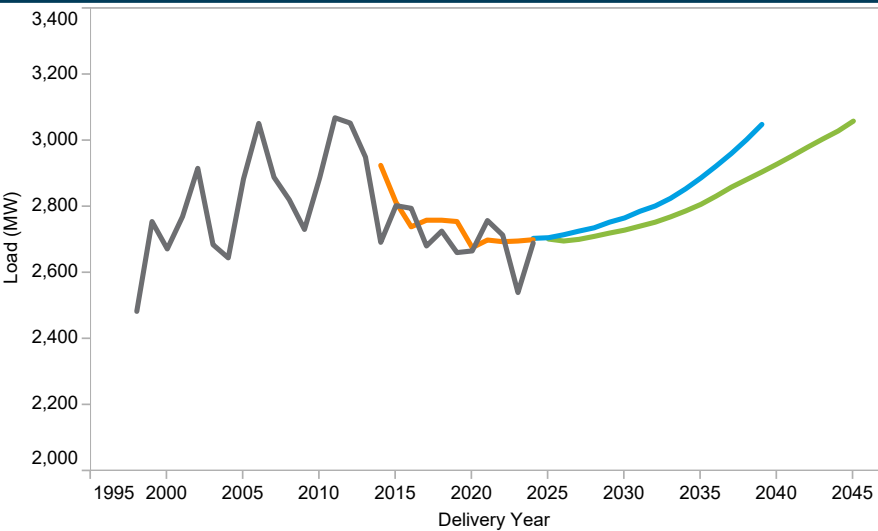
MSA

Cincinnati, OH-KY-IN

DEOK - Non-Metro

Duquesne Light Company (DLCO)

Summer Peak



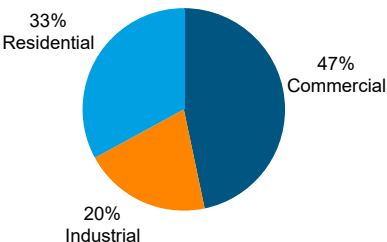
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	71.7
Avg Summer Max Temp	91.8
Avg Winter Daily Temp	31.7
Avg Winter Min Temp	-0.8

Zonal 10/15/20 Year Load Growth

SUMMER	0.4%	0.5%	0.6%
WINTER	0.7%	0.8%	0.8%

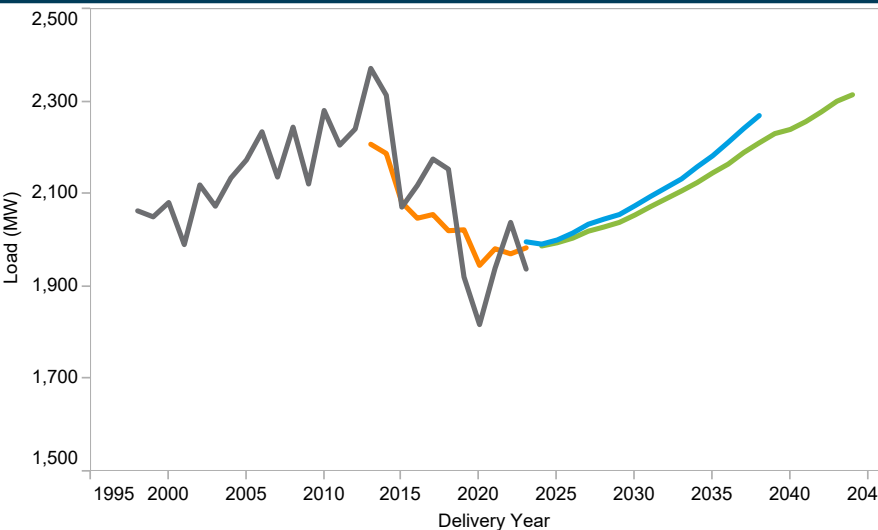
RCI Makeup



LDAs

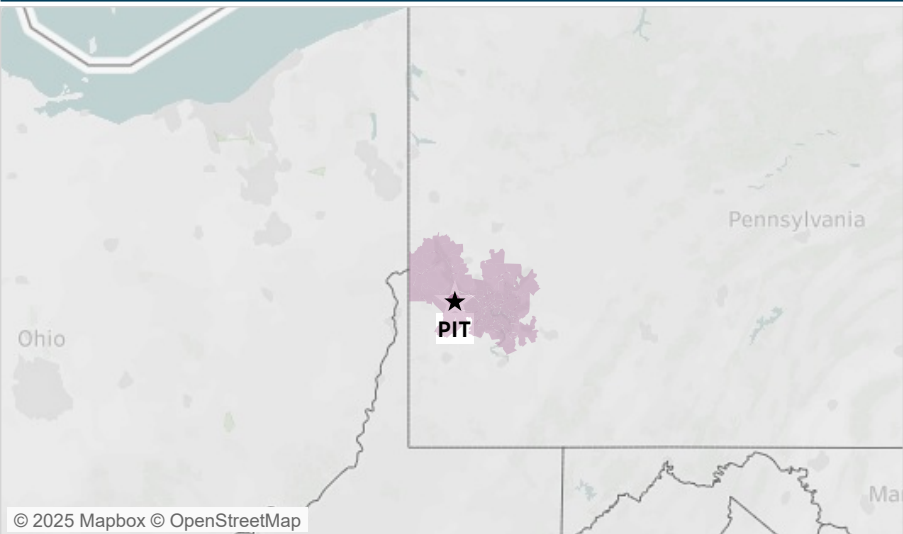
PJM RTO PJM WESTERN

Winter Peak



█ Peak
 █ WN peak
 █ Forecast 2024
 █ Forecast 2025

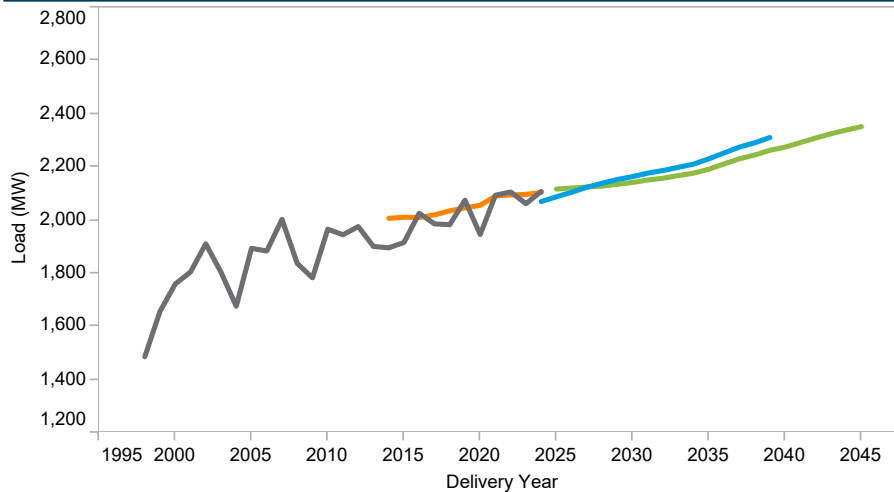
Metropolitan Statistical Areas and Weather Stations



MSA
█ Pittsburgh, PA

East Kentucky Power Cooperative (EKPC)

Summer Peak



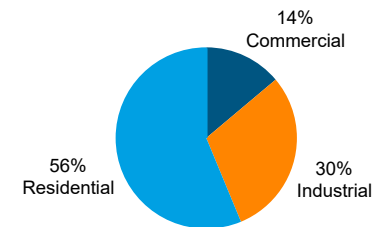
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	75.5
Avg Summer Max Temp	94.4
Avg Winter Daily Temp	36.1
Avg Winter Min Temp	2.4

Zonal 10/15/20 Year Load Growth

SUMMER	0.3%	0.5%	0.5%
WINTER	0.3%	0.4%	0.4%

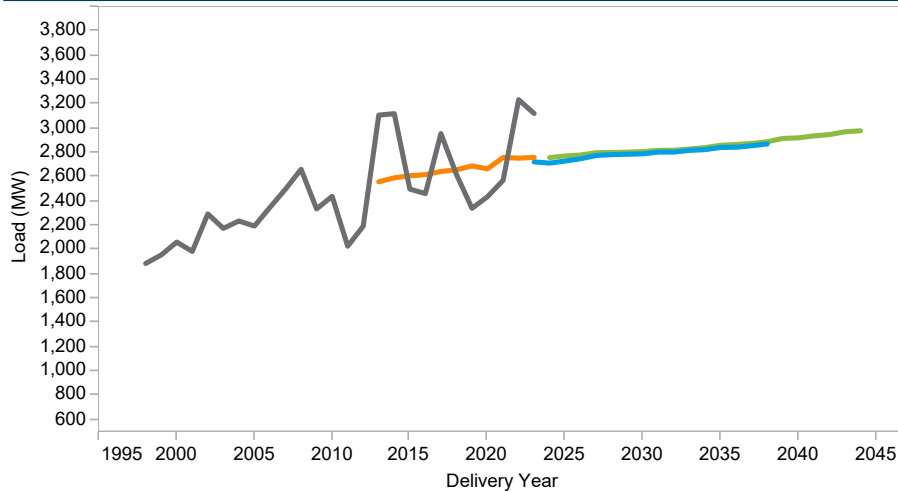
RCI Makeup



LDAs

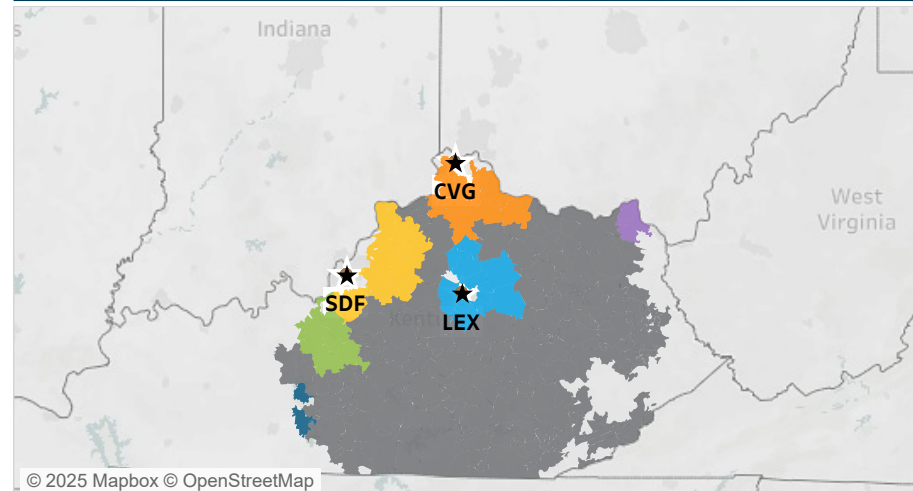
PJM RTO PJM WESTERN

Winter Peak



Peak
 WN peak
 Forecast 2024
 Forecast 2025

Metropolitan Statistical Areas and Weather Stations

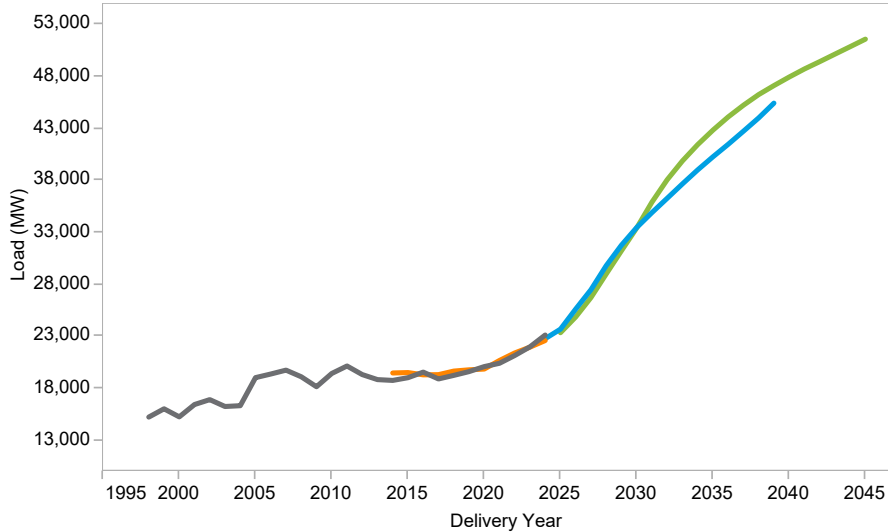


MSA

- Bowling Green, KY
- Cincinnati, OH-KY-IN
- EKPC - Non-Metro
- Elizabethtown-Fort Knox, KY
- Huntington-Ashland, WV-KY-OH
- Lexington-Fayette, KY
- Louisville/Jefferson County, KY-IN

Dominion (DOM)

Summer Peak



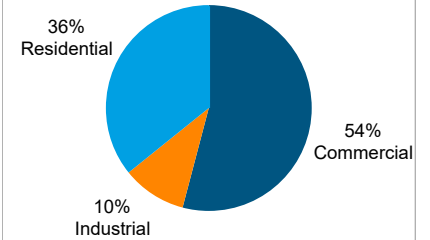
Weather - Annual Average 1993-2023

Avg Summer Daily Temp	77.0
Avg Summer Max Temp	97.0
Avg Winter Daily Temp	40.5
Avg Winter Min Temp	12.4

Zonal 10/15/20 Year Load Growth

SUMMER	6.3%	4.9%	4.0%
WINTER	6.0%	4.7%	3.9%

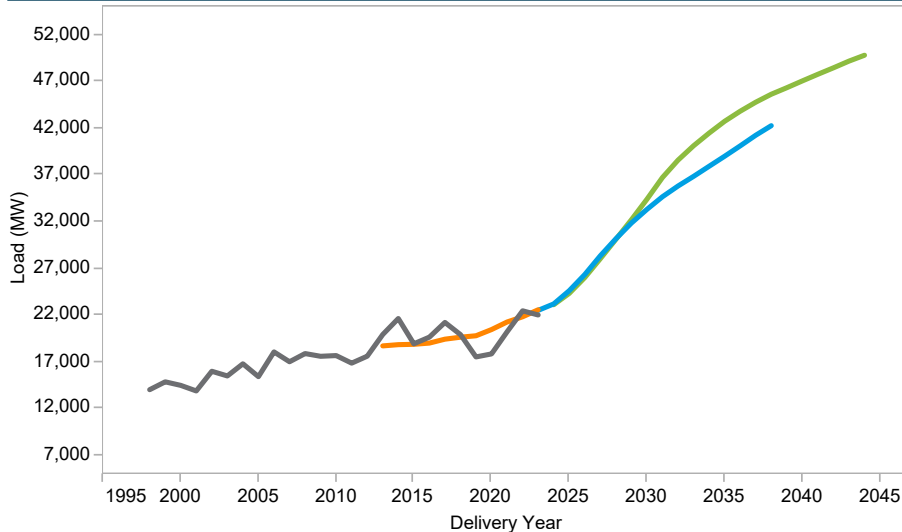
RCI Makeup



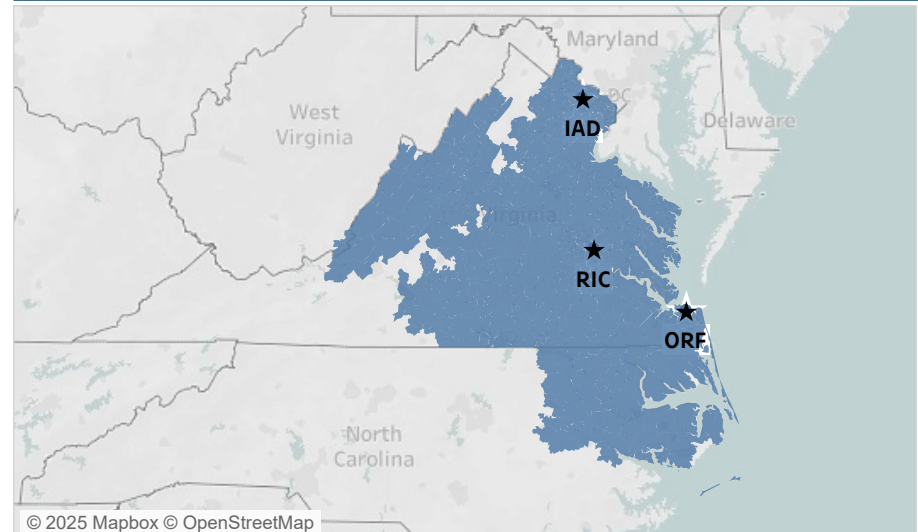
LDAs

PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations



Peak WN peak Forecast 2024 Forecast 2025

MSA
Virginia Commonwealth Economics