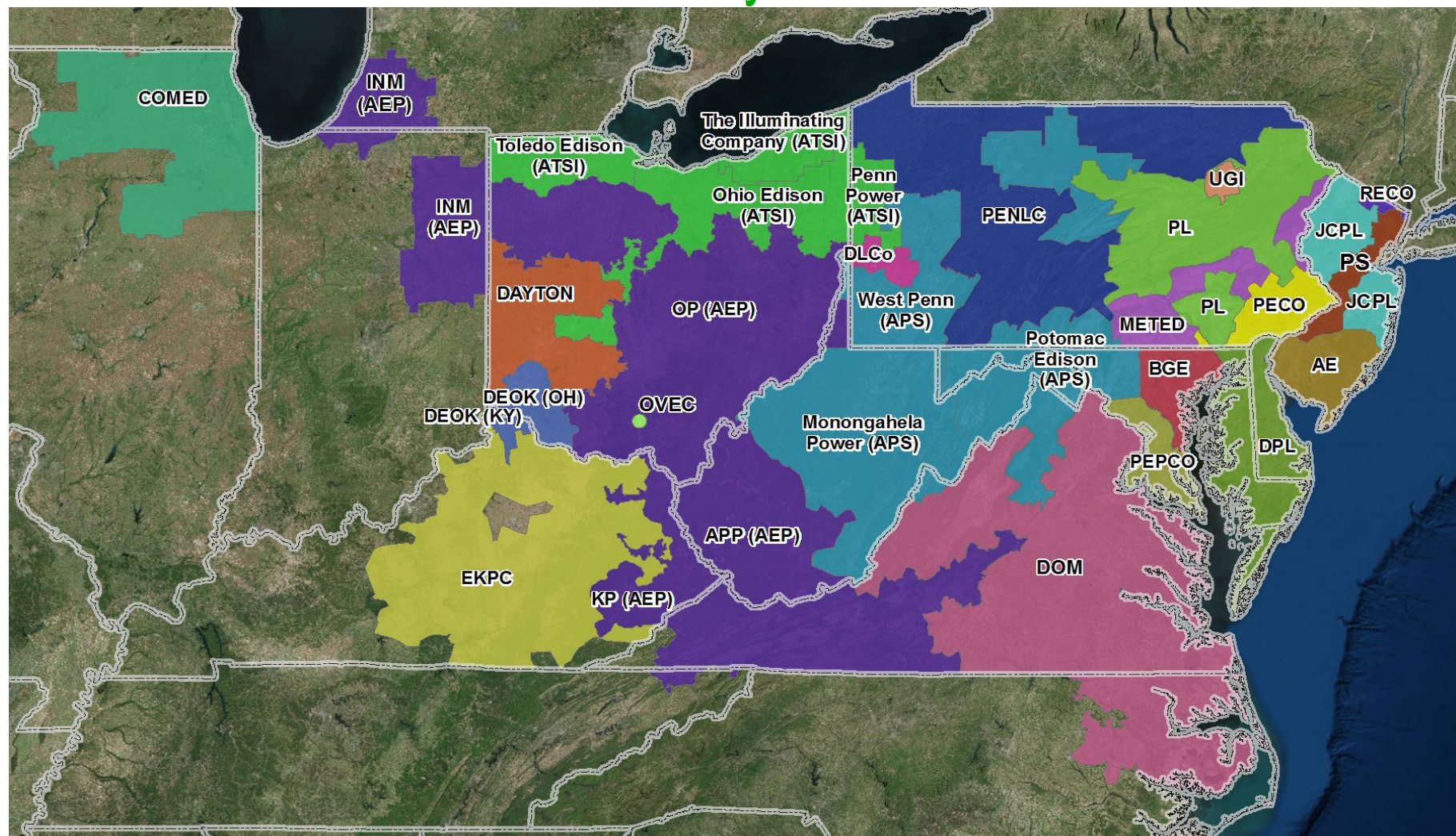


# PJM Load Forecast Report

## January 2023



Prepared by PJM Resource Adequacy Planning Department

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## TERMS AND ABBREVIATIONS USED IN THIS REPORT

AE	Atlantic Electric zone
AEP	American Electric Power zone (incorporated 10/1/2004)
APP	Appalachian Power, sub-zone of AEP
APS	Allegheny Power zone (incorporated 4/1/2002)
ATSI	American Transmission Systems, Inc. zone (incorporated 6/1/2011)
Battery Storage	(Also Battery Energy Storage System – BESS) Devices that enable generated energy to be stored and then released at a later time
BGE	Baltimore Gas & Electric zone
CEI	Cleveland Electric Illuminating, sub-zone of ATSI
COMED	Commonwealth Edison zone (incorporated 5/1/2004)
Contractually Interruptible	Load Management from customers responding to direction from a control center
Cooling Load	The weather-sensitive portion of summer peak load
CSP	Columbus Southern Power, sub-zone of AEP
Direct Control	Load Management achieved directly by a signal from a control center
DAY	Dayton Power & Light zone (incorporated 10/1/2004)
DEOK	Duke Energy Ohio/Kentucky zone (incorporated 1/1/2012)
DLCO	Duquesne Lighting Company zone (incorporated 1/1/2005)
DOM	Dominion Virginia Power zone (incorporated 5/1/2005)
DPL	Delmarva Power & Light zone
EKPC	East Kentucky Power Cooperative zone (incorporated 6/1/2013)
FE-East	The combination of FirstEnergy's Jersey Central Power & Light, Metropolitan Edison, and Pennsylvania Electric zones (formerly GPU)
Heating Load	The weather-sensitive portion of winter peak load
INM	Indiana Michigan Power, sub-zone of AEP
JCPL	Jersey Central Power & Light zone
KP	Kentucky Power, sub-zone of AEP

METED	Metropolitan Edison zone
MP	Monongahela Power, sub-zone of APS
NERC	North American Electric Reliability Corporation
Net Energy	Net Energy for Load, measured as net generation of main generating units plus energy receipts minus energy deliveries
OEP	Ohio Edison, sub-zone of ATSI
OP	Ohio Power, sub-zone of AEP
OVEC	Ohio Valley Electric Corporation zone (incorporated 12/1/2018)
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
PRD	Price Responsive Demand
PS	Public Service Electric & Gas zone
RECO	Rockland Electric (East) zone (incorporated 3/1/2002)
TOL	Toledo Edison, sub-zone of ATSI
UGI	UGI Utilities, sub-zone of PLGroup
Unrestricted Peak	Peak load prior to any reduction for load management or voltage reduction.
WP	West Penn Power, sub-zone of APS
Zone	Areas within the PJM Control Area, as defined in the PJM Reliability Assurance Agreement

# 2023 PJM LOAD FORECAST REPORT

## EXECUTIVE SUMMARY

- This report presents an independent load forecast prepared by PJM staff.
- The report includes 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.
- In 2022, PJM engaged with an outside consultant Itron to help with its transition to an hourly forecast model. Itron's report was shared with the Load Analysis Subcommittee and can be found here (<https://www.pjm.com/-/media/committees-groups/subcommittees/las/2022/20220912/pjm-model-review-final-report-from-itron.ashx>).
- Residential, Commercial, and Industrial sector models were estimated with data from 2012 through 2021. Weather scenarios were simulated with data from years 1993 through 2021, generating 377 scenarios.
- The economic forecast used was Moody's Analytics' September 2022 release.
- The 2022 update of Itron's end-use data provides the basis for appliance saturation rates, efficiency, and intensity and is consistent with the Energy Information Administration's 2022 Annual Energy Outlook. 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.
- The forecasts of the following zones have been adjusted to account for large, unanticipated load changes, market adjustments, and peak shaving adjustments(see Table B-9 and the supplement for details):
  - The AEP forecast of the AEP zone has been adjusted to account to account for growth in data center load;
  - The APS forecast has been adjusted to account to account for growth in data center load;
  - The DOM forecast has been adjusted to account for growth in data center load
  - The EKPC forecast has been adjusted to account for a peak shaving program to commence with the 2023 DY.
  - The AEP, APS, and PL forecasts have been adjusted to account for Non-Retail Behind-the-Meter Generation (NRBTMG) transitioning to participation as Demand Response in the



## Reliability Pricing Model.

- Summer peak load growth for the PJM RTO is projected to average 0.8% per year over the next 10 and 15 years. The PJM RTO summer peak is forecasted to be 160,971 MW in 2033, a 10-year increase of 11,912 MW, and reaches 167,567 MW in 2038, a 15-year increase of 18,507 MW. Annualized 10-year growth rates for individual zones range from -0.7% to 5%; median of -0.1%.
- Winter peak load growth for PJM RTO is projected to average 1% per year over the next 10-year period, and 0.9% over the next 15-years. The PJM RTO winter peak load in 2032/33 is forecasted to be 144,992 MW, a 10-year increase of 14,180 MW, and reaches 150,555 MW in 2037/38, a 15-year increase of 19,744 MW. Annualized 10-year growth rates for individual zones range from -0.3% to 4.8%; median of 0.1%.
- Net energy for load growth for PJM RTO is projected to average 1.4% per year over the next 10-year period, and 1.3% over the next 15-years. Total PJM RTO energy is forecasted to be 909,622 GWh in 2033, a 10-year increase of 121,572 GWh, and reaches 960,428 GWh in 2038, a 15-year increase of 172,378 GWh. Annualized 10-year growth rates for individual zones range from -0.7% to 7%; median of 0%.
- Compared to the 2022 Load Report, the 2023 PJM RTO summer peak forecast shows the following changes for three years of interest:
  - The next delivery year – 2023                      -293 MW (-0.2%)
  - The next RPM auction year – 2026                +473 MW (+0.3%)
  - The next RTEP study year – 2028                +3,015 MW (+2%)

### **NOTE:**

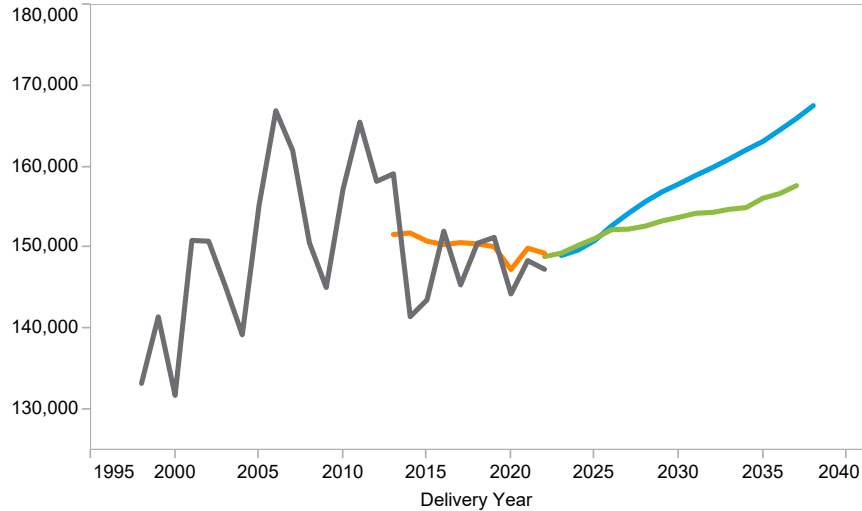
Unless noted otherwise, all peak and energy values are non-coincident, unrestricted peaks, which represent the peak load or net energy after reductions for distributed solar generation and battery storage, additions for plug-in electric vehicles, and prior to reductions for load management impacts.

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



# PJM RTO

## Summer Peak



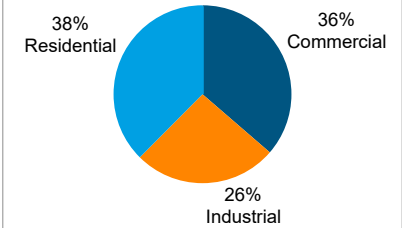
## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	74.3
<b>Avg Summer Max Temp</b>	95.1
<b>Avg Winter Daily Temp</b>	34.2
<b>Avg Winter Min Temp</b>	4.0

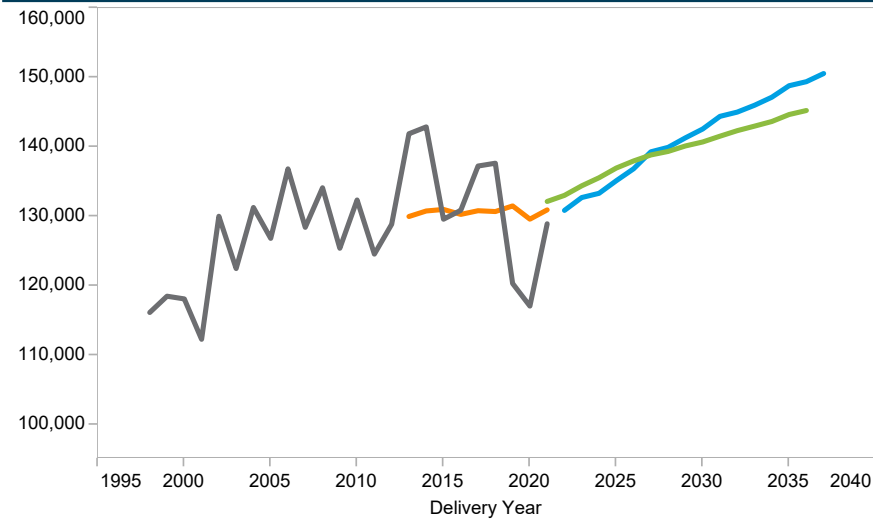
## Zonal 10/15 Year Load Growth

SUMMER	0.8%	0.8%
WINTER	1.0%	0.9%

## RCI Makeup



## Winter Peak



## LDAs

PJM Mid-Atlantic	Central MAAC
Eastern MAAC	Western MAAC
Southern MAAC	PJM West

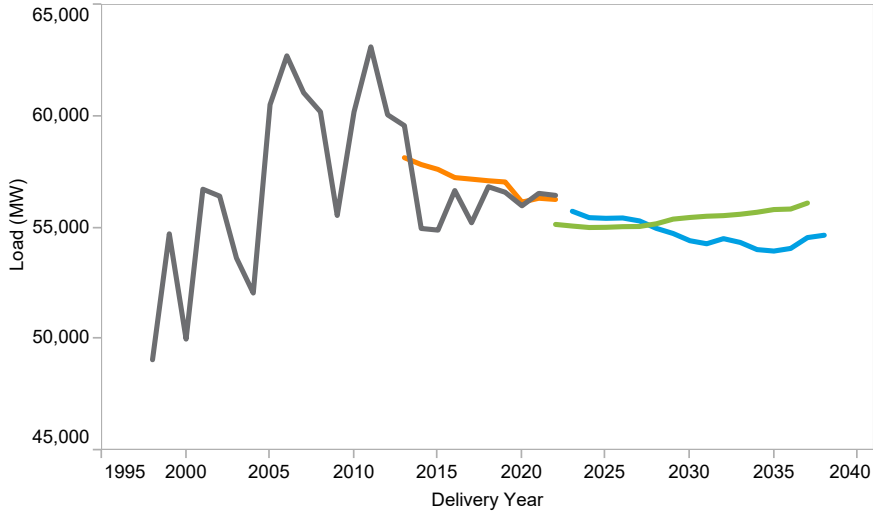
## Zones

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 2022
  Forecast 2023

# PJM Mid-Atlantic (MAAC)

## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	75.3
<b>Avg Summer Max Temp</b>	96.9
<b>Avg Winter Daily Temp</b>	35.4
<b>Avg Winter Min Temp</b>	7.4

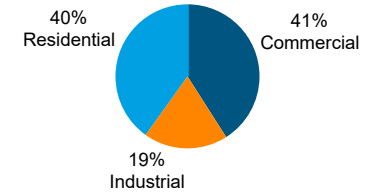
## Zonal 10/15 Year Load Growth

SUMMER	-0.3%	-0.1%
WINTER	0.1%	0.0%

## Zones

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

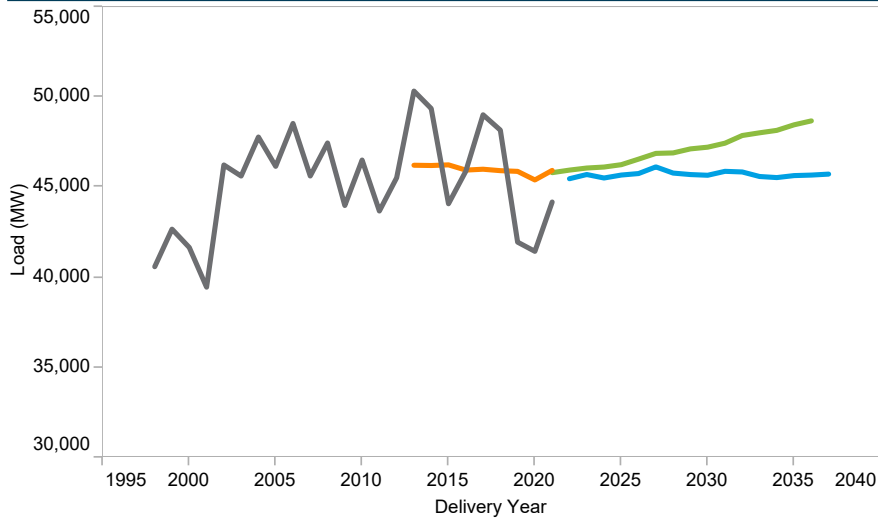
## RCI Makeup



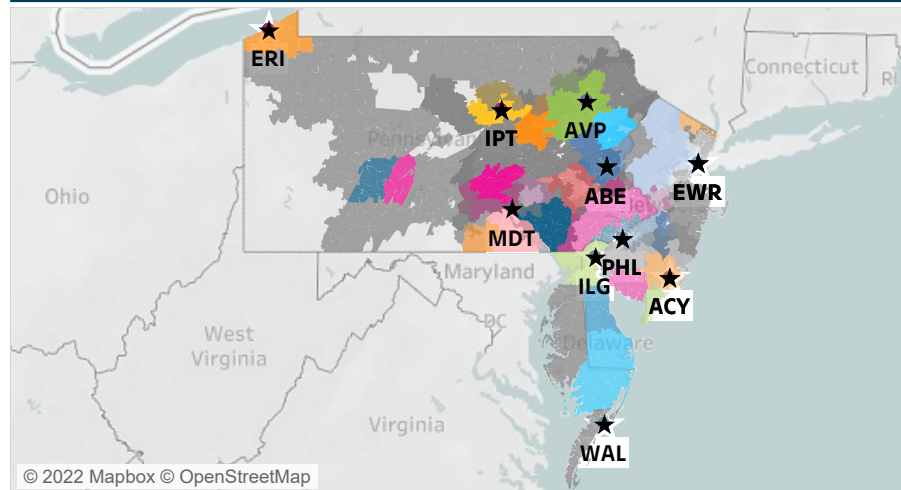
## LDAs

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

## Winter Peak



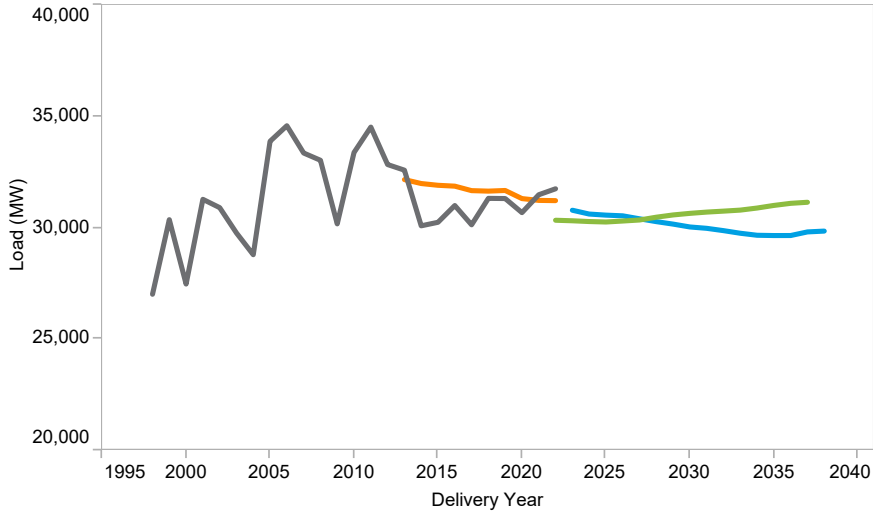
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2022
  Forecast 2023

# PJM Eastern Mid-Atlantic (E-MAAC)

## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	75.8
<b>Avg Summer Max Temp</b>	97.7
<b>Avg Winter Daily Temp</b>	36.2
<b>Avg Winter Min Temp</b>	8.3

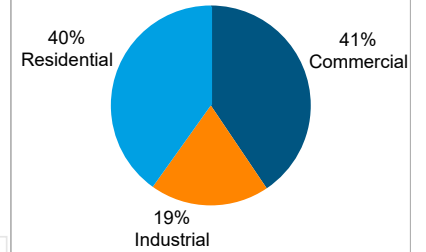
## Zonal 10/15 Year Load Growth

SUMMER	-0.3%	-0.2%
WINTER	0.1%	0.0%

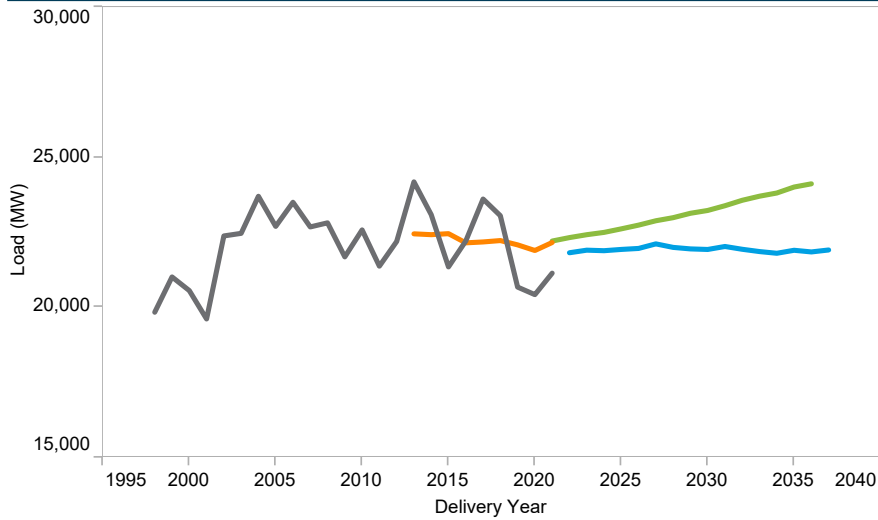
## Zones

AE	PECO
DPL	PS
JCPL	RECO

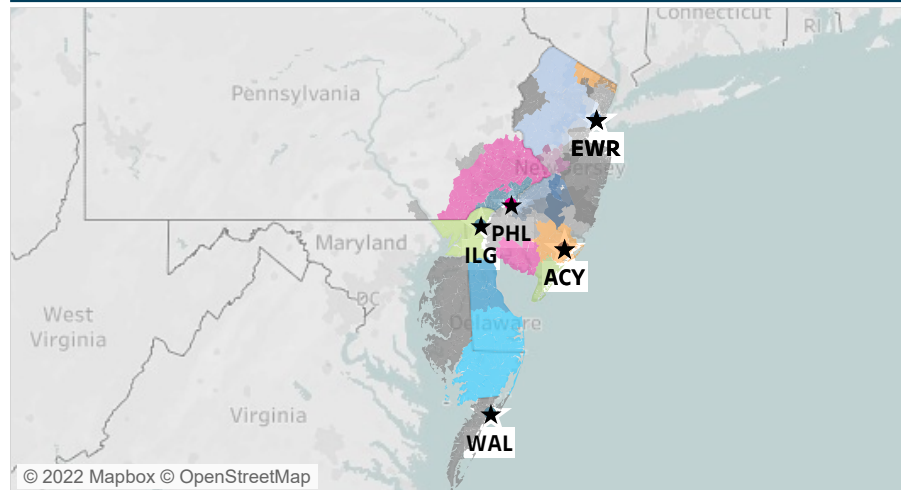
## RCI Makeup



## Winter Peak



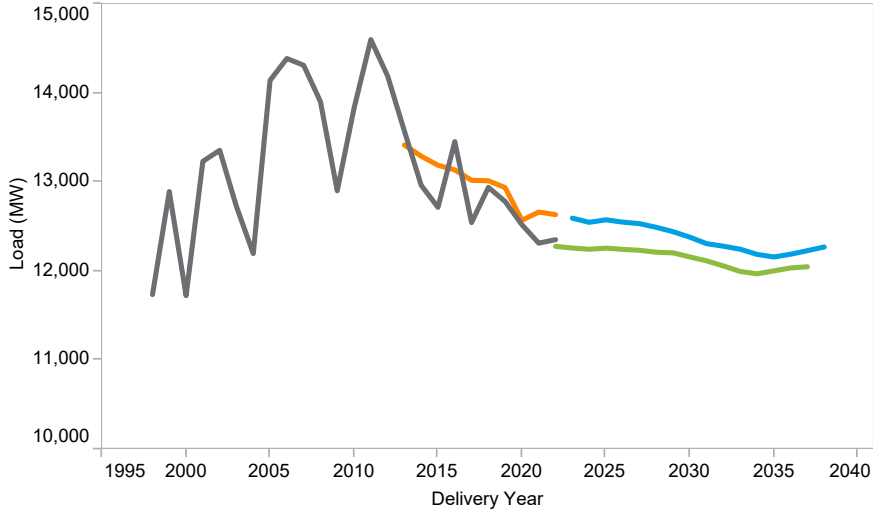
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2022
  Forecast 2023

# PJM Southern Mid-Atlantic (S-MAAC)

## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	77.0
<b>Avg Summer Max Temp</b>	98.1
<b>Avg Winter Daily Temp</b>	37.8
<b>Avg Winter Min Temp</b>	10.2

## Zonal 10/15 Year Load Growth

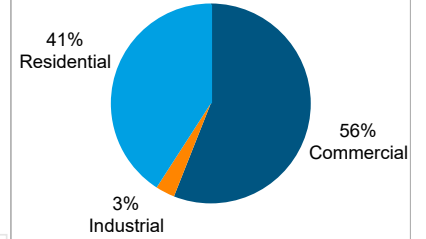
SUMMER	-0.3%	-0.2%
WINTER	0.1%	0.1%

## Zones

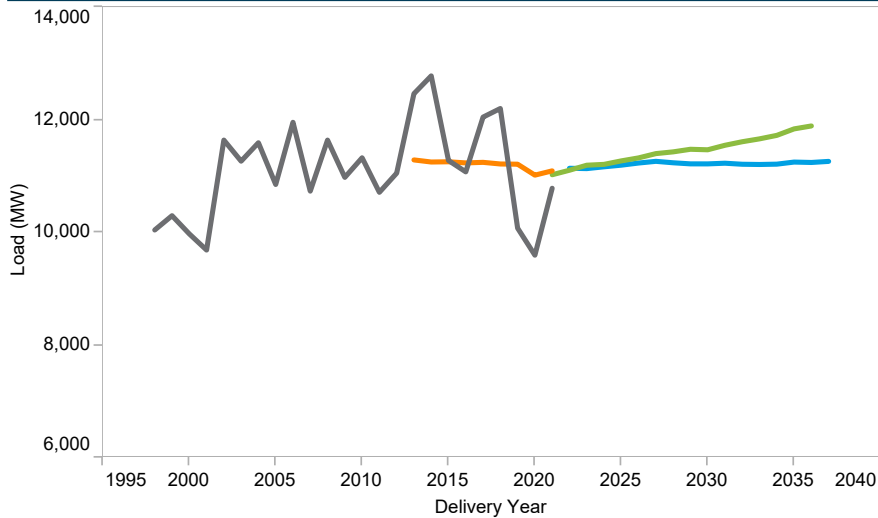
BGE

PEPCO

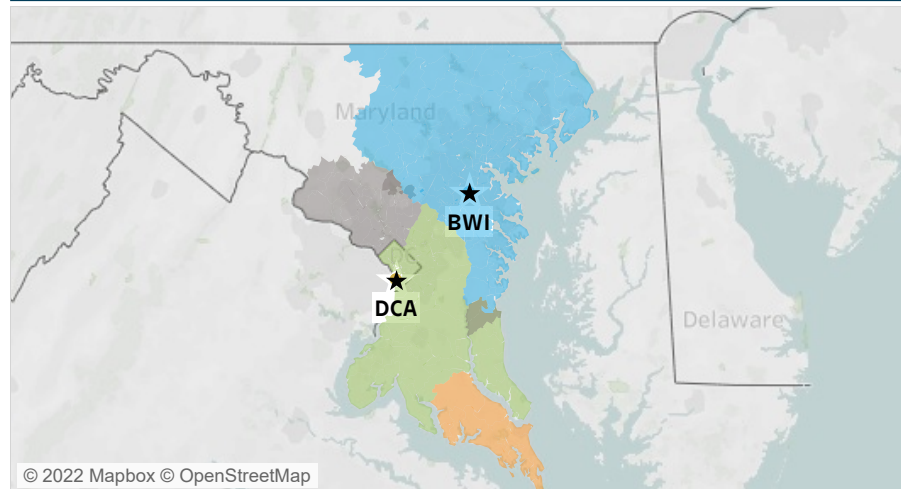
## RCI Makeup



## Winter Peak



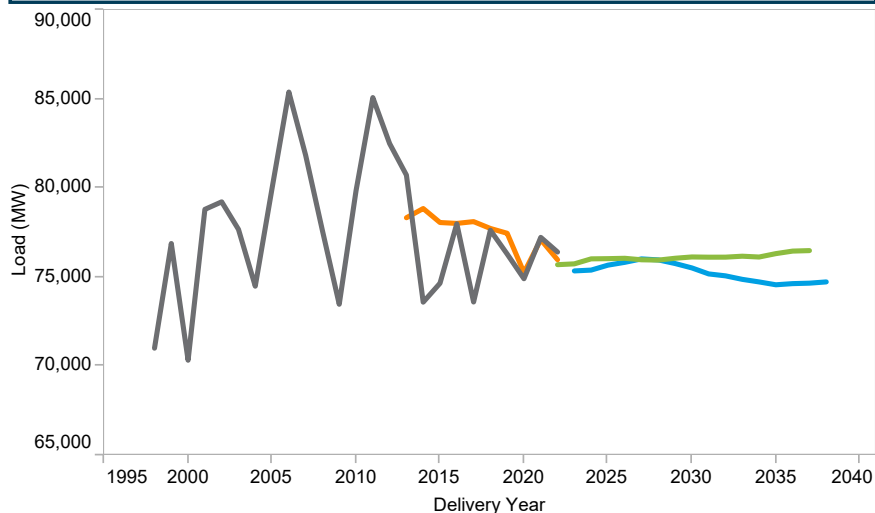
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2022
  Forecast 2023

# PJM Western

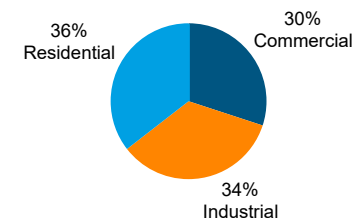
## Summer Peak



## Weather - Annual Average 1993-2021

Avg Summer Daily Temp	72.9
Avg Summer Max Temp	93.3
Avg Winter Daily Temp	31.5
Avg Winter Min Temp	-0.8

## RCI Makeup



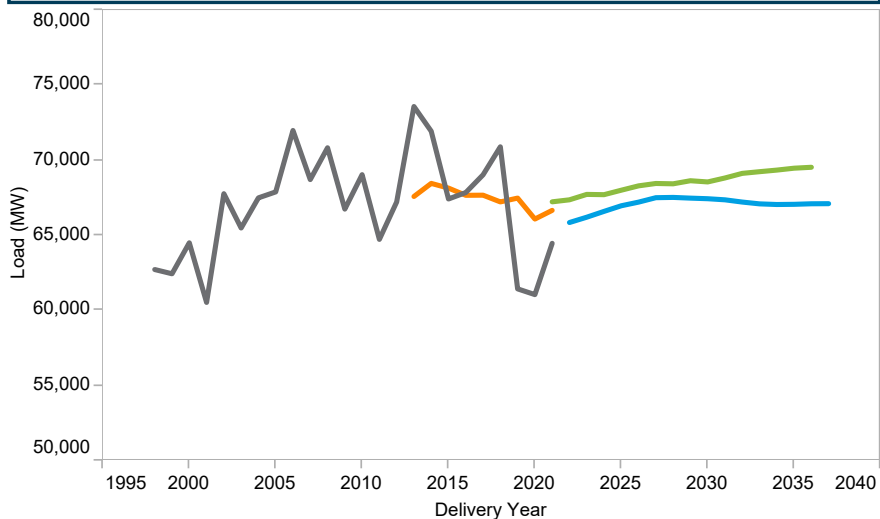
## Zonal 10/15 Year Load Growth

SUMMER	-0.1%	-0.1%
WINTER	0.2%	0.1%

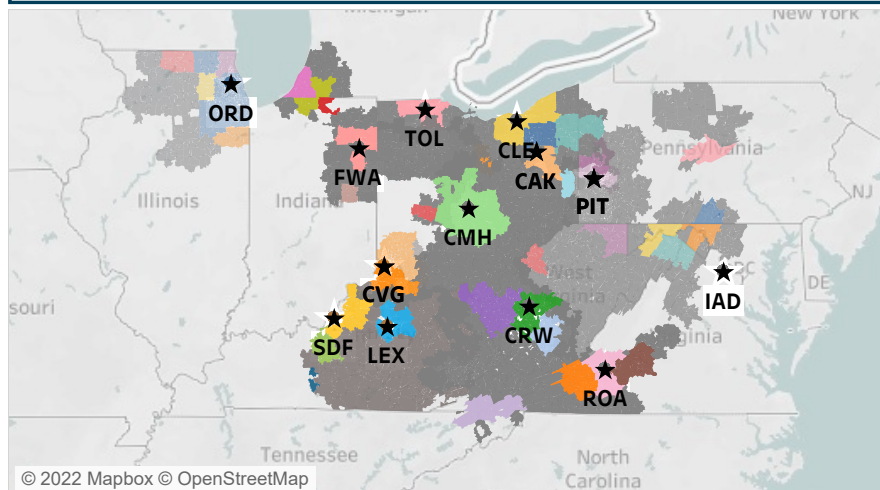
## Zones

AEP	COMED	DLCO
APS	DAYTON	EKPC
ATSI	DEOK	OVEC

## Winter Peak



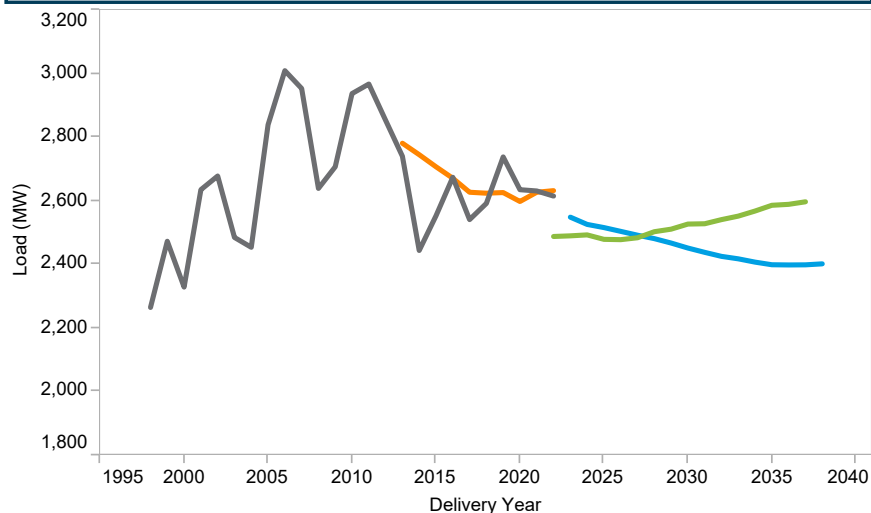
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2022
  Forecast 2023

# Atlantic Electric (AE)

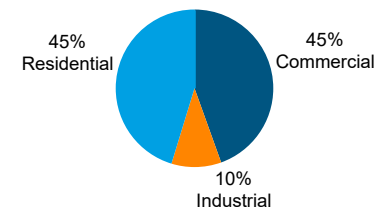
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	74.3
<b>Avg Summer Max Temp</b>	97.1
<b>Avg Winter Daily Temp</b>	36.6
<b>Avg Winter Min Temp</b>	5.9

## RCI Makeup



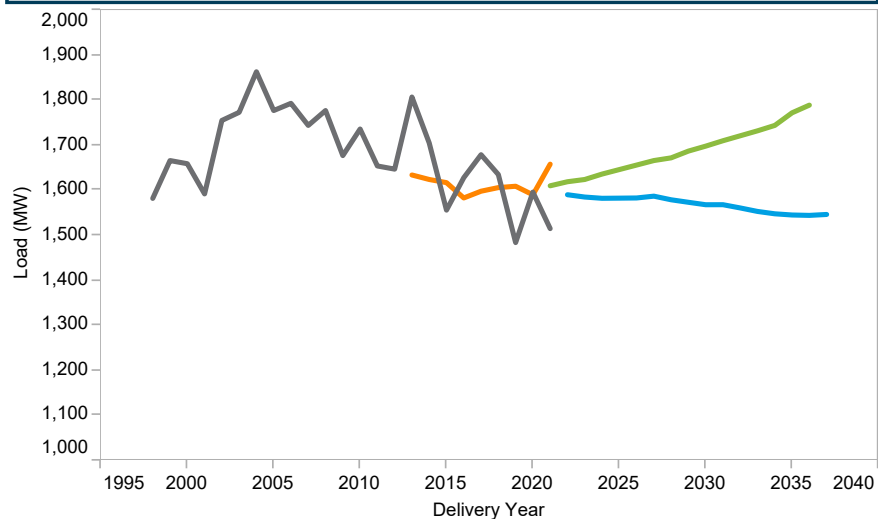
## Zonal 10/15 Year Load Growth

SUMMER	-0.5%	-0.4%
WINTER	-0.2%	-0.2%

## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

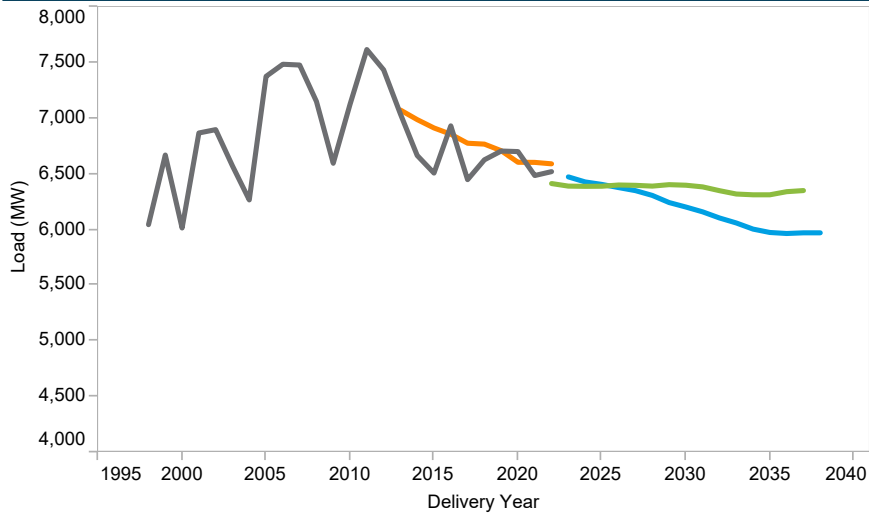


■ Peak     
 ■ WN peak     
 ■ Forecast 2022     
 ■ Forecast 2023

■ AE - Non-Metro  
■ Atlantic City-Hammonton, NJ  
■ Ocean City, NJ  
■ Vineland-Bridgeton, NJ

# Baltimore Gas and Electric (BGE)

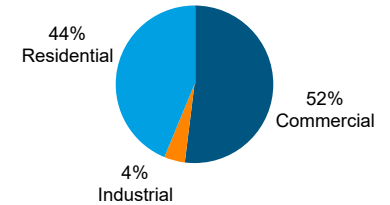
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	76.0
<b>Avg Summer Max Temp</b>	98.1
<b>Avg Winter Daily Temp</b>	36.7
<b>Avg Winter Min Temp</b>	7.9

## RCI Makeup



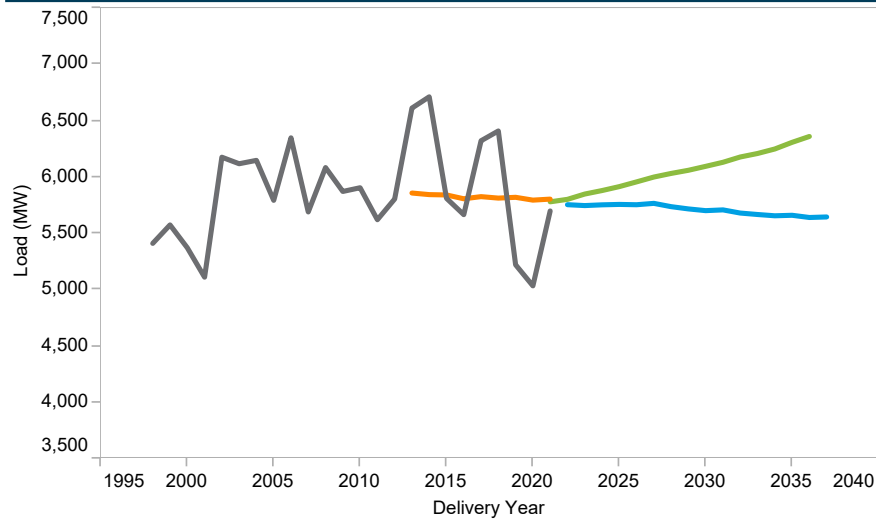
## Zonal 10/15 Year Load Growth

SUMMER	-0.7%	-0.5%
WINTER	-0.1%	-0.1%

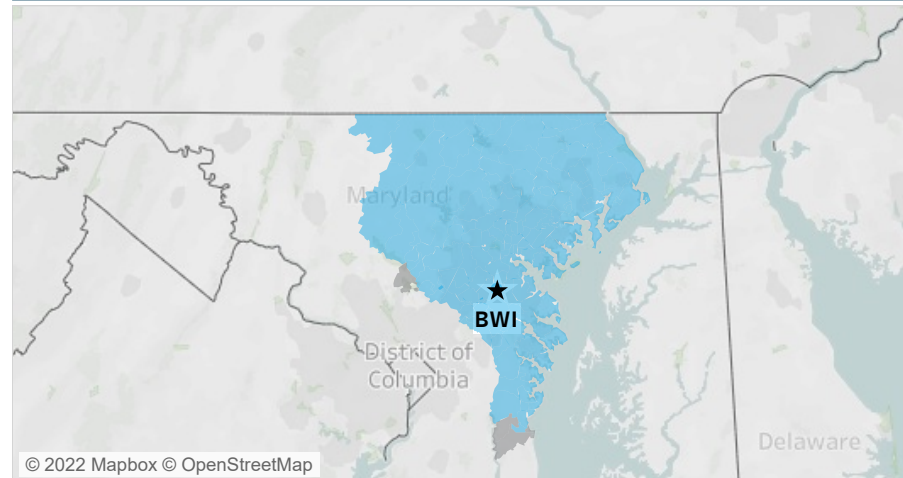
## LDAs

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

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations



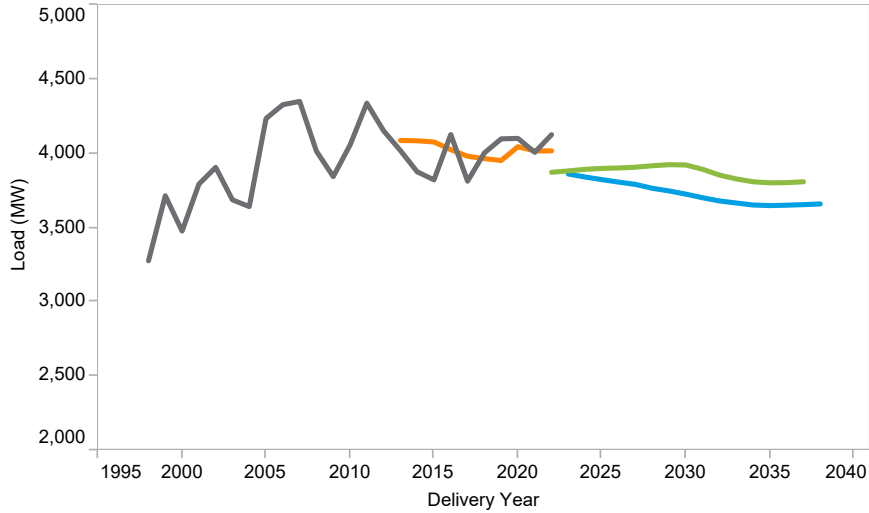
■ Baltimore-Columbia-Towson, MD  
■ BGE - Non-Metro

■ Peak     
 ■ WN peak     
 ■ Forecast 2022     
 ■ Forecast 2023



# Delmarva Power and Light (DPL)

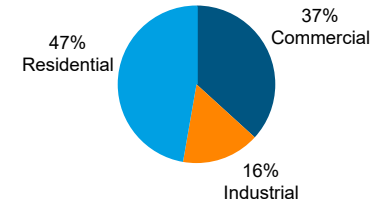
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	75.5
<b>Avg Summer Max Temp</b>	95.1
<b>Avg Winter Daily Temp</b>	37.0
<b>Avg Winter Min Temp</b>	9.7

## RCI Makeup



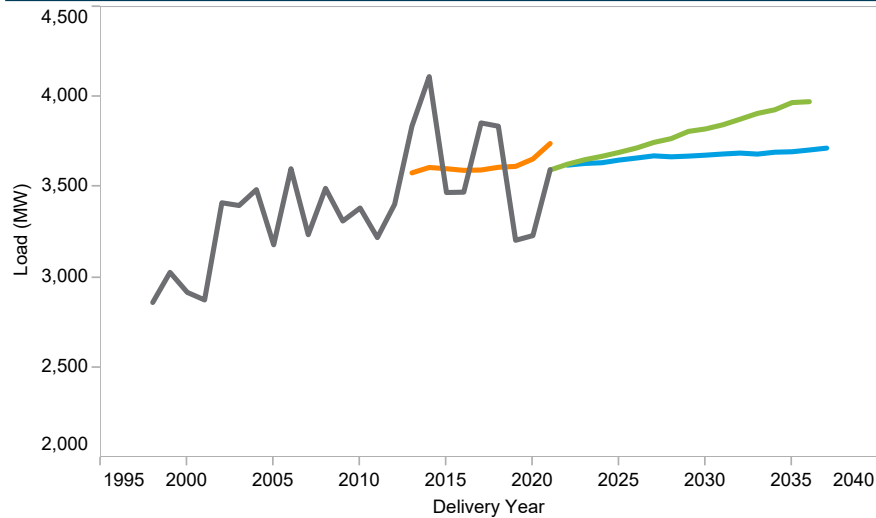
## Zonal 10/15 Year Load Growth

SUMMER	-0.5%	-0.4%
WINTER	0.2%	0.2%

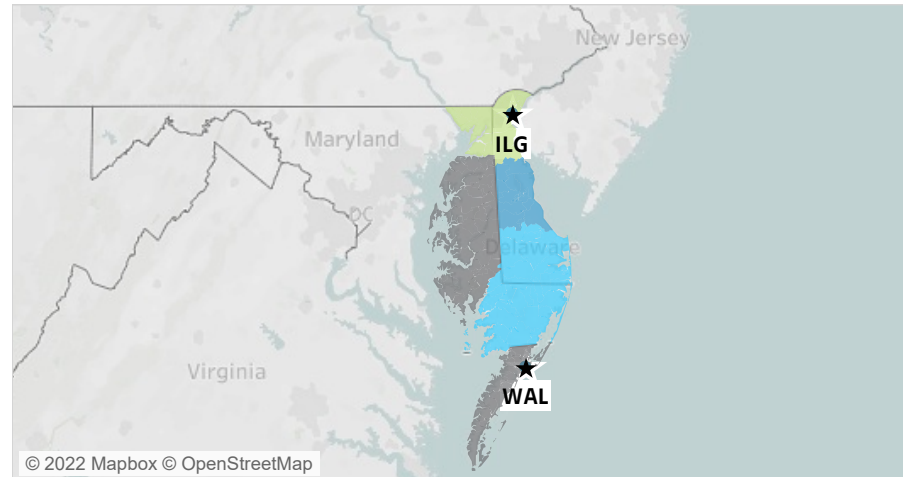
## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

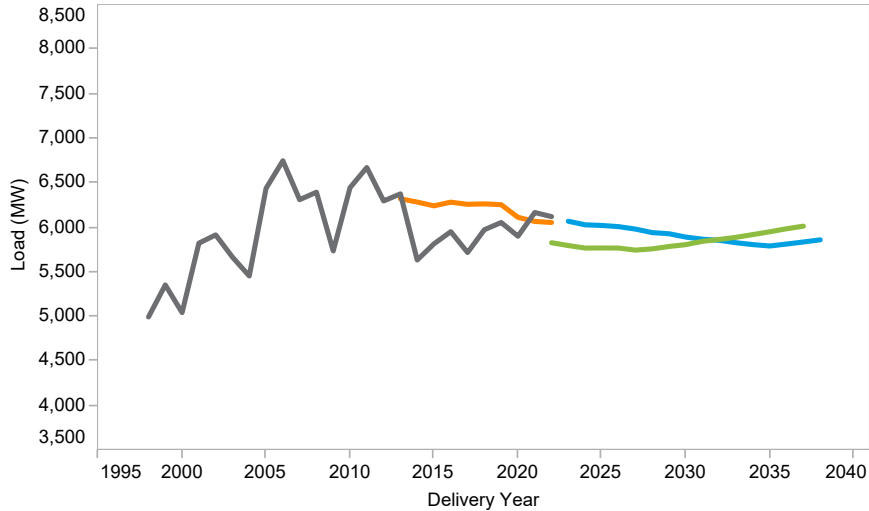


Peak
  WN peak
  Forecast 2022
  Forecast 2023

Dover, DE  
 DPL - Non-Metro  
 Salisbury, MD-DE  
 Wilmington, DE-MD-NJ

# Jersey Central Power and Light (JCPL)

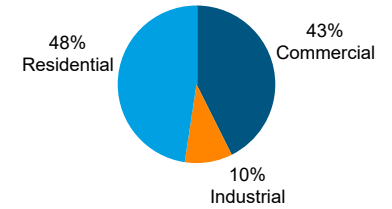
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	75.6
<b>Avg Summer Max Temp</b>	98.2
<b>Avg Winter Daily Temp</b>	35.9
<b>Avg Winter Min Temp</b>	7.6

## RCI Makeup



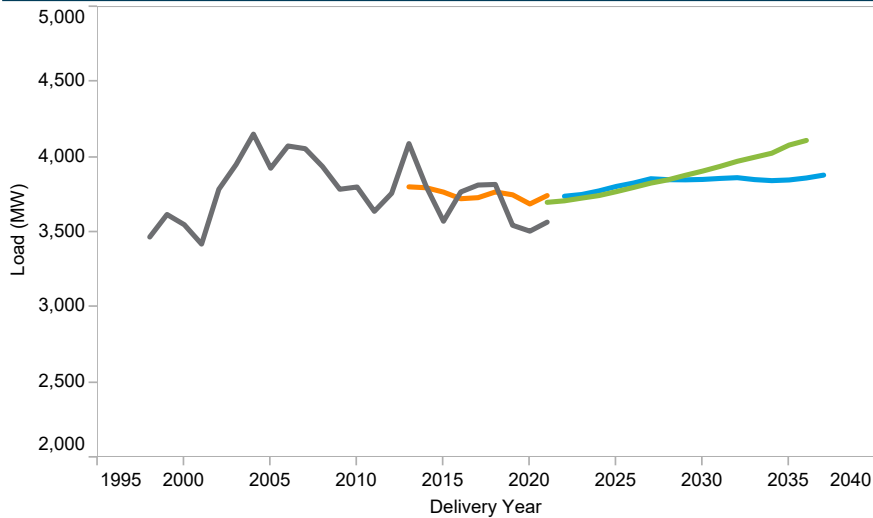
## Zonal 10/15 Year Load Growth

SUMMER	-0.4%	-0.2%
WINTER	0.3%	0.2%

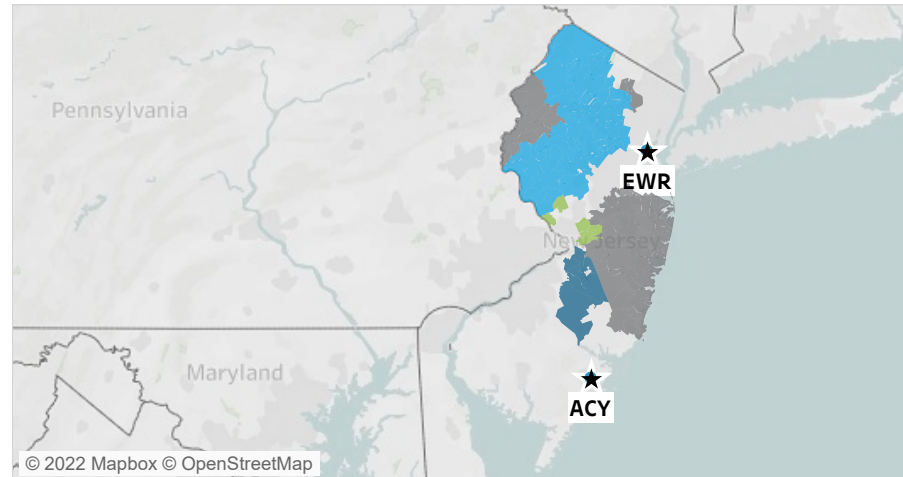
## LDAs

EASTERN MID-ATLANTIC FE-EAST PJM MID-ATLANTIC  
PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

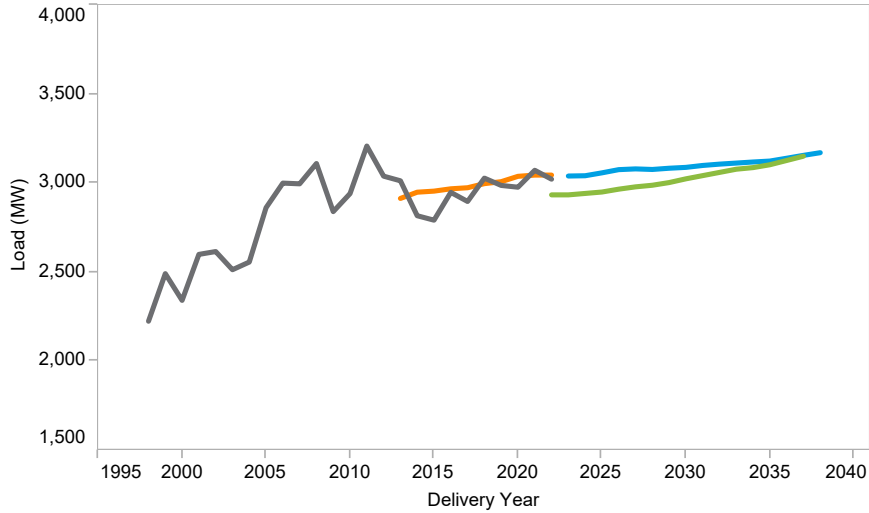


Peak
  WN peak
  Forecast 2022
  Forecast 2023

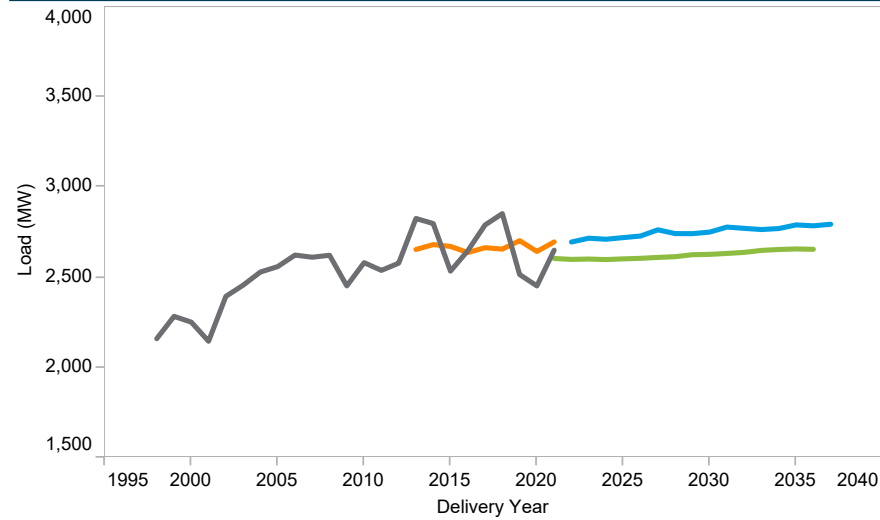
Camden, NJ  
 JCPL - Non-Metro  
 Newark, NJ-PA  
 Trenton, NJ

# Metropolitan Edison (METED)

## Summer Peak



## Winter Peak



Peak
  WN peak
  Forecast 2022
  Forecast 2023

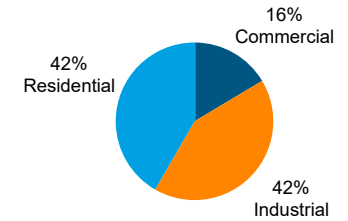
## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	74.7
<b>Avg Summer Max Temp</b>	95.8
<b>Avg Winter Daily Temp</b>	34.4
<b>Avg Winter Min Temp</b>	6.6

## Zonal 10/15 Year Load Growth

SUMMER	0.2%	0.3%
WINTER	0.3%	0.2%

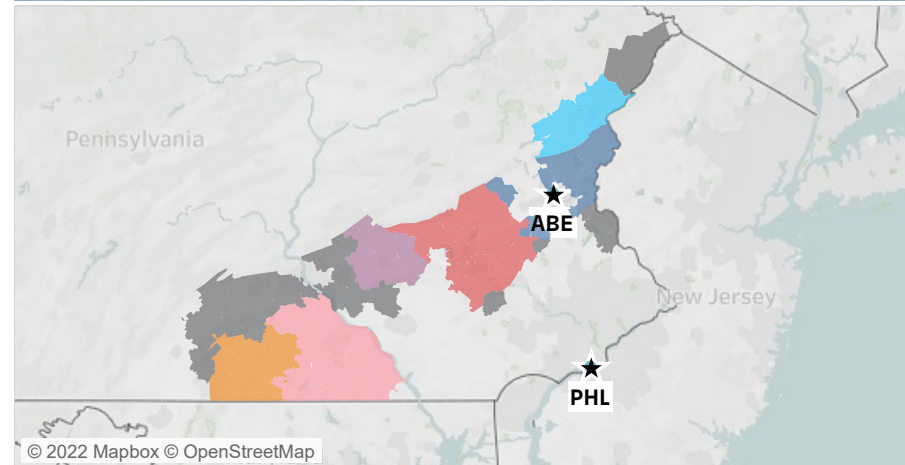
## RCI Makeup



## LDAs

CENTRAL MID-ATLANTIC
FE-EAST
PJM MID-ATLANTIC  
PJM RTO
WESTERN MID-ATLANTIC

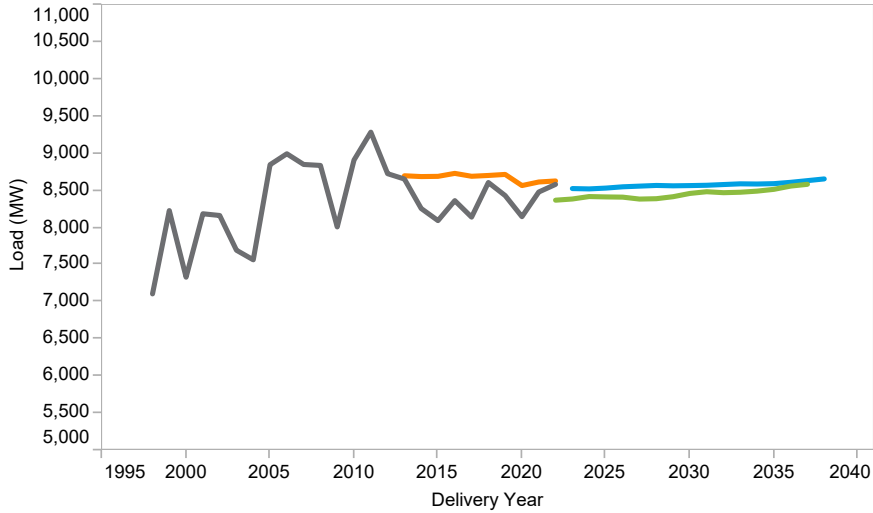
## Metropolitan Statistical Areas and Weather Stations



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

# PECO Energy (PECO)

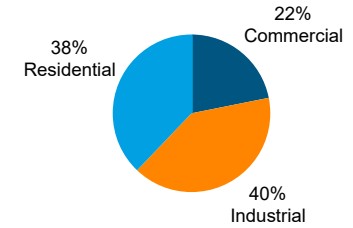
### Summer Peak



### Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	76.5
<b>Avg Summer Max Temp</b>	97.2
<b>Avg Winter Daily Temp</b>	36.6
<b>Avg Winter Min Temp</b>	9.3

### RCI Makeup



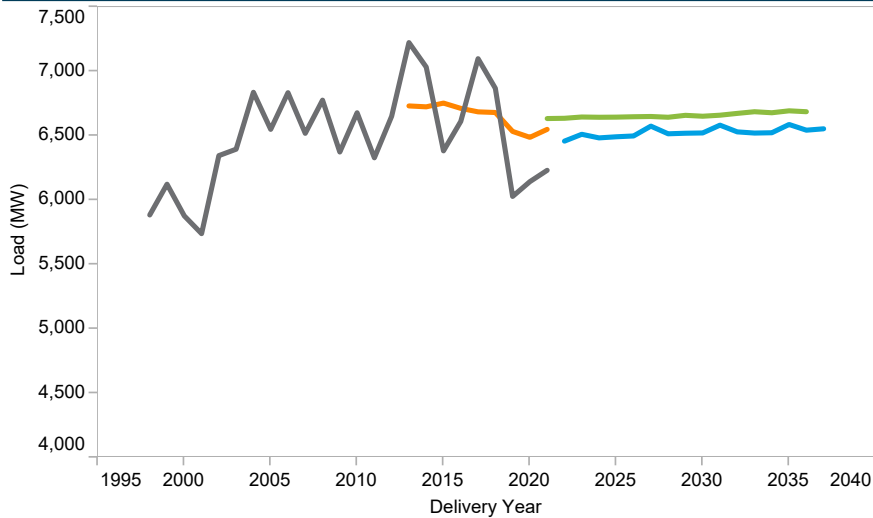
### Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.1%	0.1%

### LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

### Winter Peak



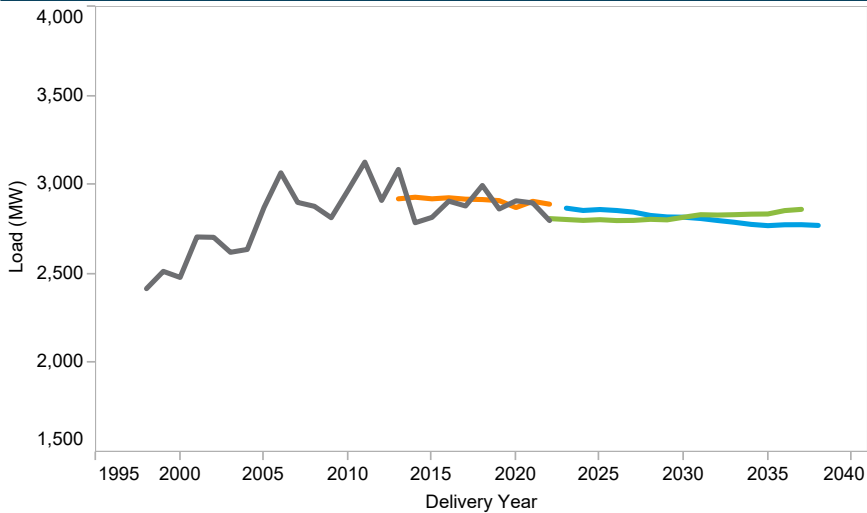
### Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2022
  Forecast 2023

# Pennsylvania Electric Company (PENLC)

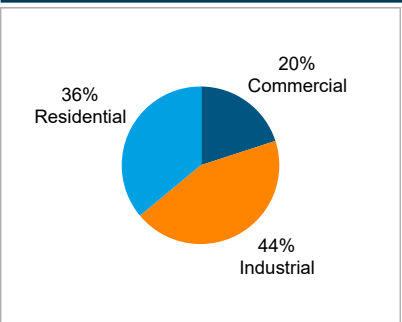
Summer Peak



Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	71.1
<b>Avg Summer Max Temp</b>	91.7
<b>Avg Winter Daily Temp</b>	30.3
<b>Avg Winter Min Temp</b>	2.0

RCI Makeup



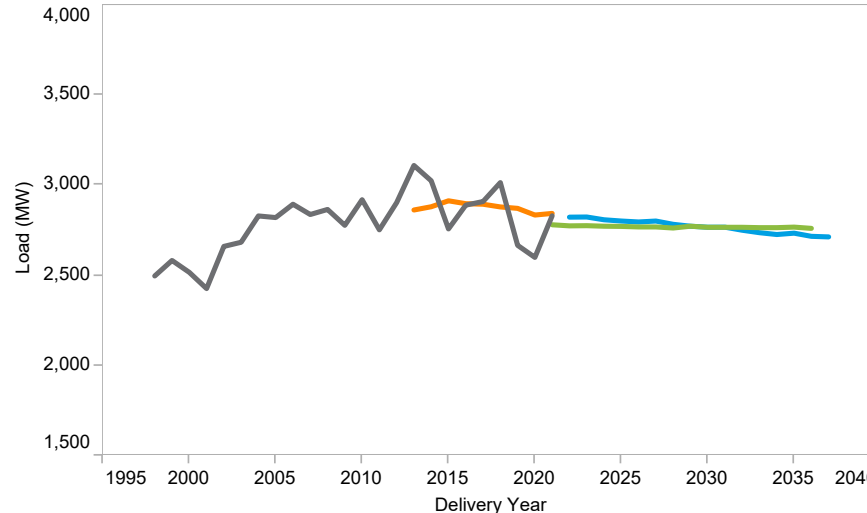
Zonal 10/15 Year Load Growth

SUMMER	-0.3%	-0.2%
WINTER	-0.3%	-0.3%

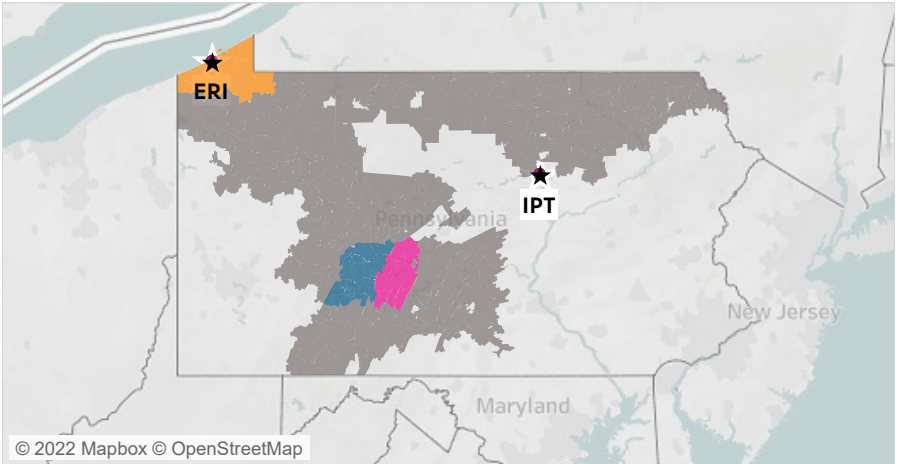
LDAs

FE-EAST PJM MID-ATLANTIC PJM RTO  
WESTERN MID-ATLANTIC

Winter Peak



Metropolitan Statistical Areas and Weather Stations

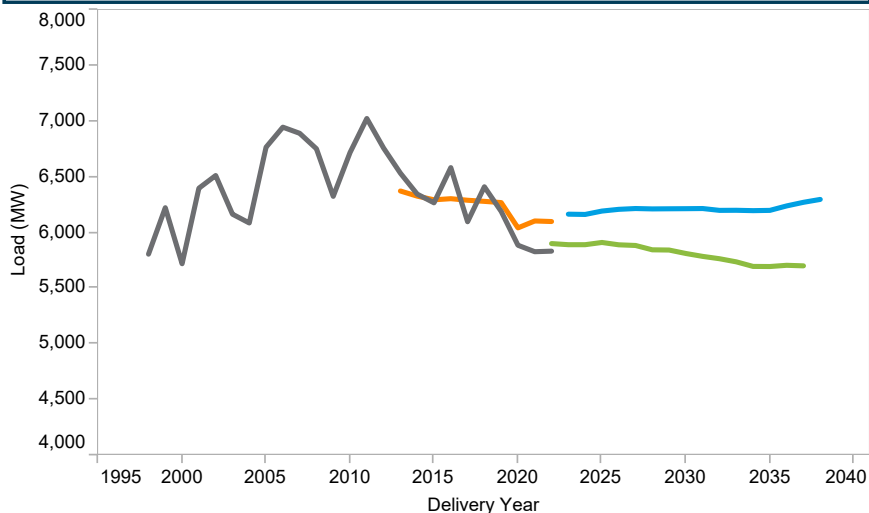


- Altoona, PA
- Erie, PA
- Johnstown, PA
- PENLC - Non-Metro

- Peak
- WN peak
- Forecast 2022
- Forecast 2023

# Potomac Electric Power (PEPCO)

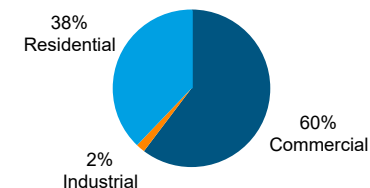
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	78.1
<b>Avg Summer Max Temp</b>	98.0
<b>Avg Winter Daily Temp</b>	39.0
<b>Avg Winter Min Temp</b>	12.8

## RCI Makeup



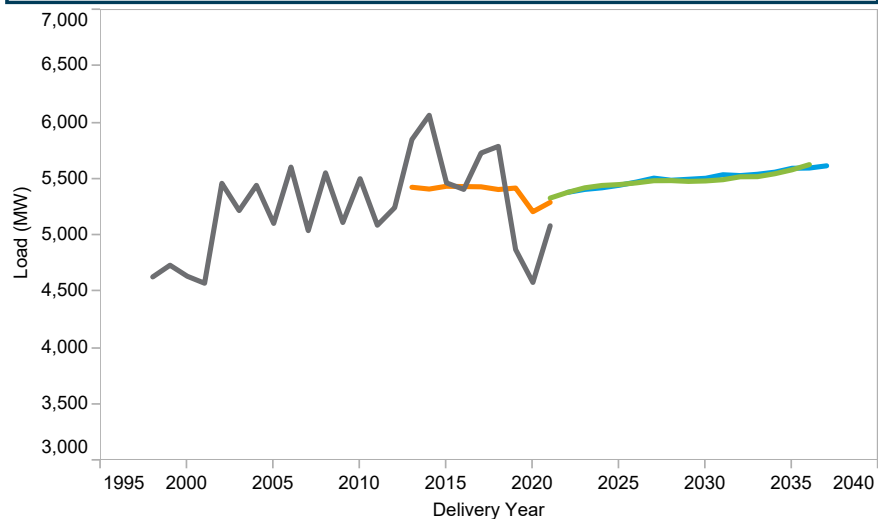
## Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.3%	0.3%

## LDAs

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

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

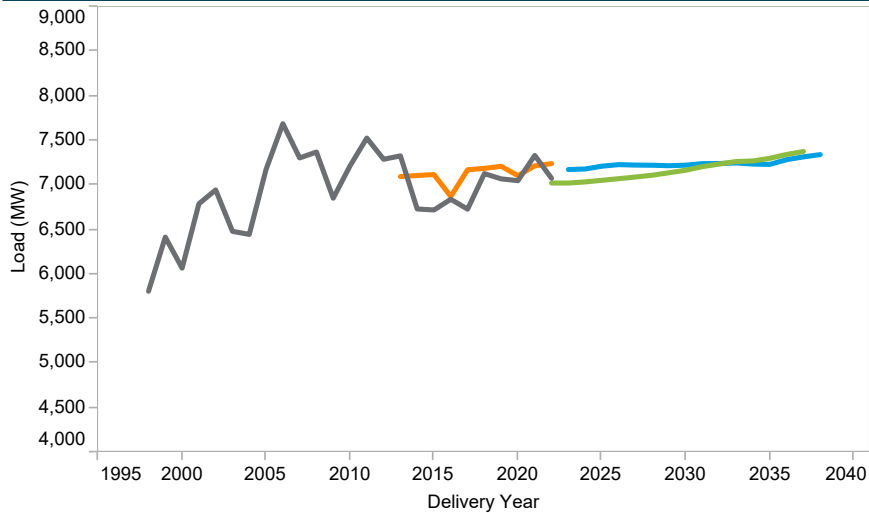


- California-Lexington Park, MD
- PEPCO - Non-Metro
- Washington-Arlington-Alexandria, DC-VA-MD-WV

■ Peak      ■ WN peak      ■ Forecast 2022      ■ Forecast 2023

# PPL Electric Utilities (PL)

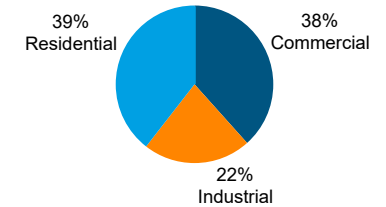
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	72.4
<b>Avg Summer Max Temp</b>	94.1
<b>Avg Winter Daily Temp</b>	31.5
<b>Avg Winter Min Temp</b>	2.8

## RCI Makeup



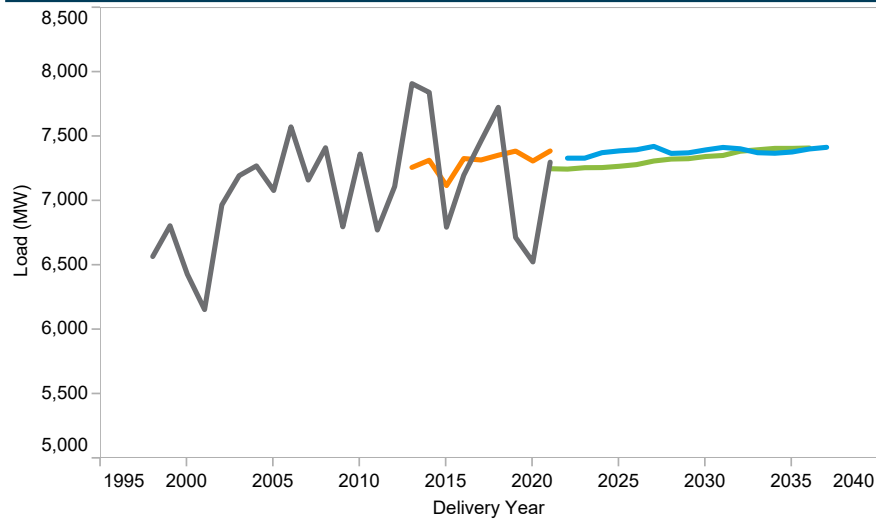
## Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.2%
WINTER	0.1%	0.1%

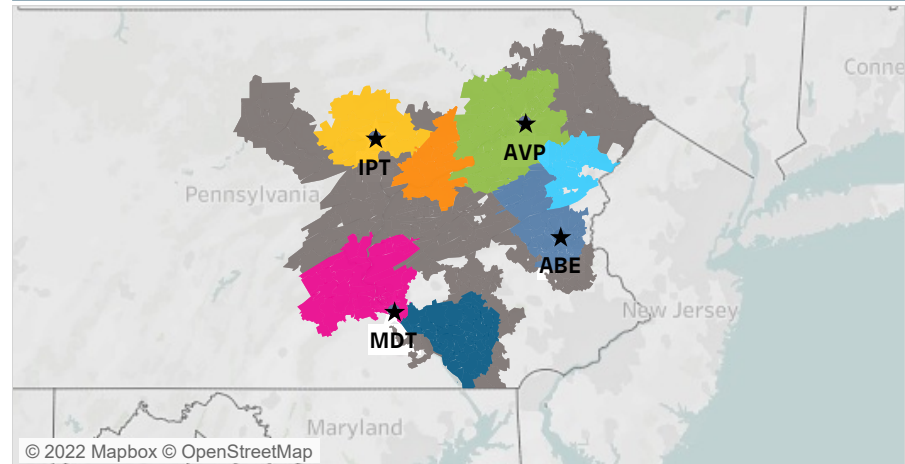
## LDAs

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

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations



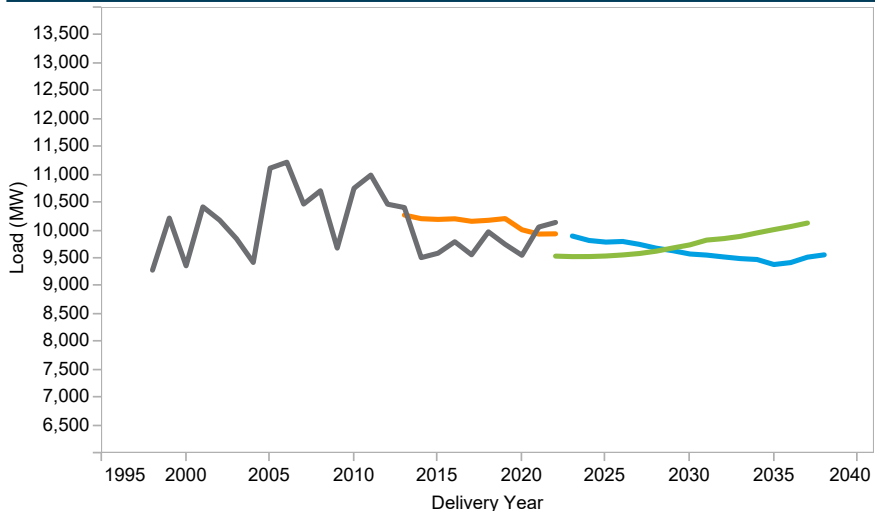
- Allentown-Bethlehem-Easton, PA-NJ
- Lancaster, PA
- Bloomsburg-Berwick, PA
- PL - Non-Metro
- East Stroudsburg, PA
- Scranton--Wilkes-Barre--Hazleton, PA
- Harrisburg-Carlisle, PA
- Williamsport, PA

- Peak
- WN peak
- Forecast 2022
- Forecast 2023



# Public Service Electric & Gas (PS)

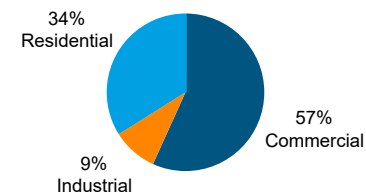
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	76.0
<b>Avg Summer Max Temp</b>	99.0
<b>Avg Winter Daily Temp</b>	35.6
<b>Avg Winter Min Temp</b>	7.5

## RCI Makeup



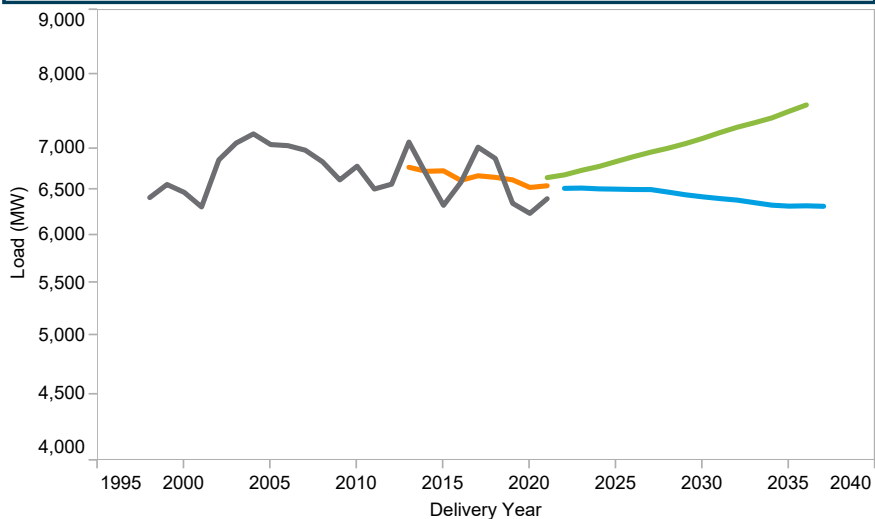
## Zonal 10/15 Year Load Growth

SUMMER	-0.4%	-0.2%
WINTER	-0.2%	-0.2%

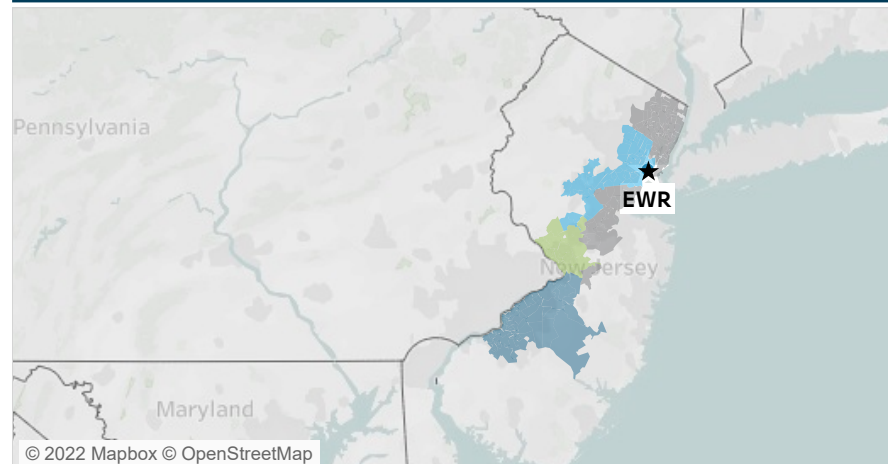
## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

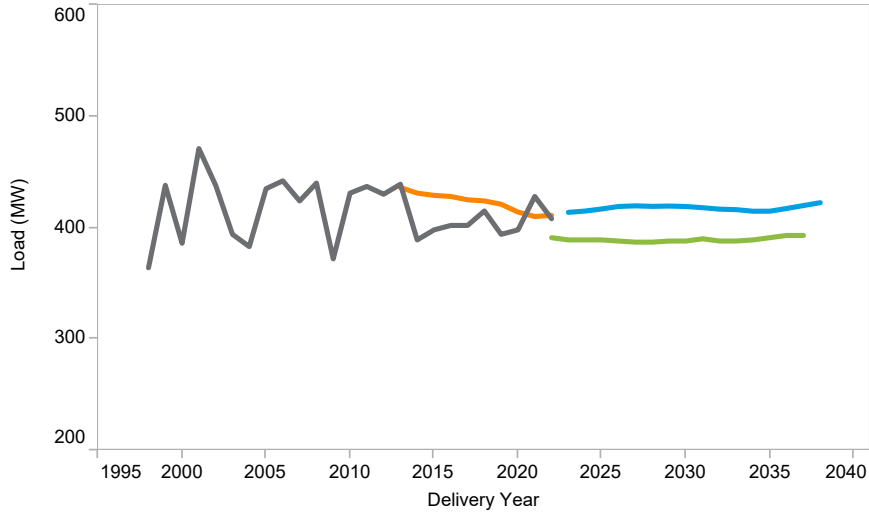


Peak
  WN peak
  Forecast 2022
  Forecast 2023

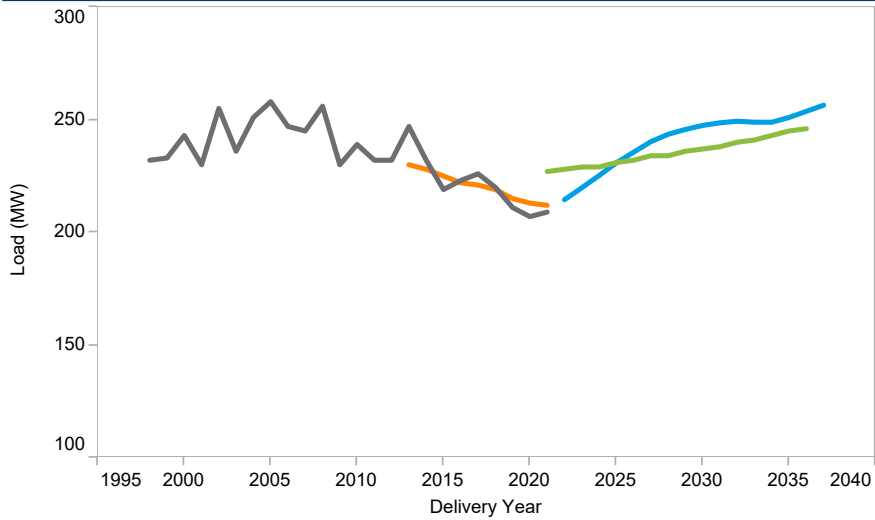
Camden, NJ  
 Newark, NJ-PA  
 PS - Non-Metro  
 Trenton, NJ

# Rockland Electric Company (RECO)

## Summer Peak



## Winter Peak



■ Peak     
 ■ WN peak     
 ■ Forecast 2022     
 ■ Forecast 2023

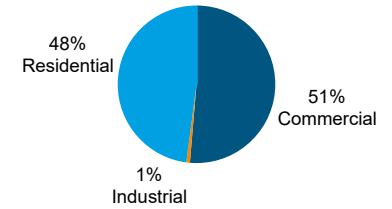
## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	76.0
<b>Avg Summer Max Temp</b>	99.0
<b>Avg Winter Daily Temp</b>	35.6
<b>Avg Winter Min Temp</b>	7.5

## Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	1.5%	1.2%

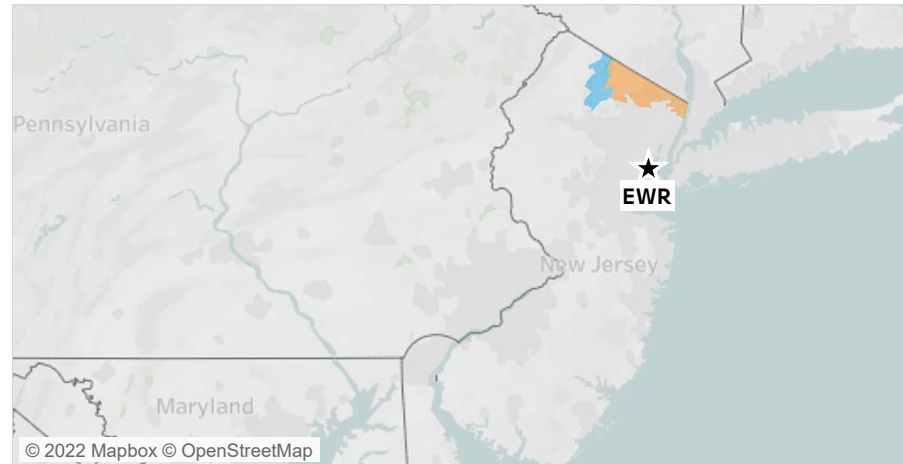
## RCI Makeup



## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

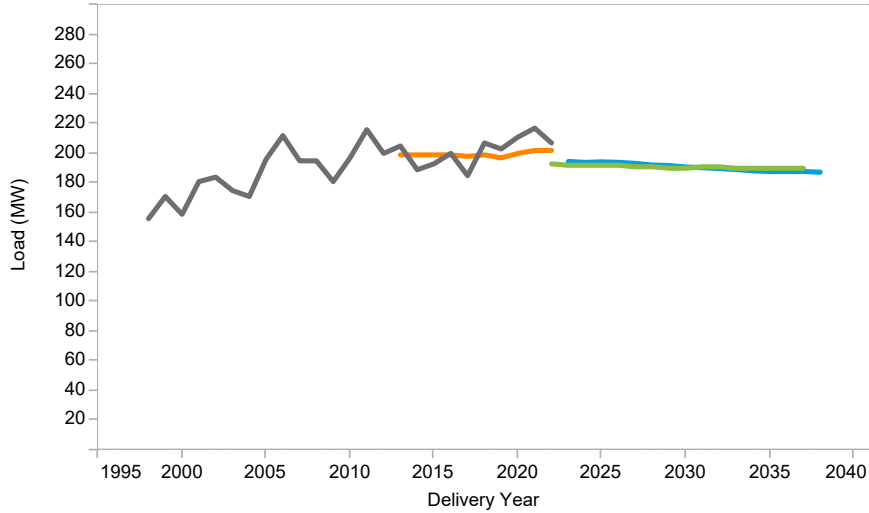
## Metropolitan Statistical Areas and Weather Stations



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

# UGI Energy Services (UGI)

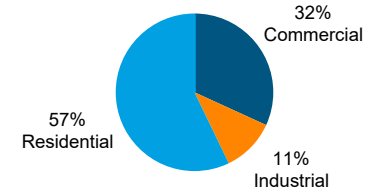
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	70.5
<b>Avg Summer Max Temp</b>	93.1
<b>Avg Winter Daily Temp</b>	30.0
<b>Avg Winter Min Temp</b>	-0.9

## RCI Makeup



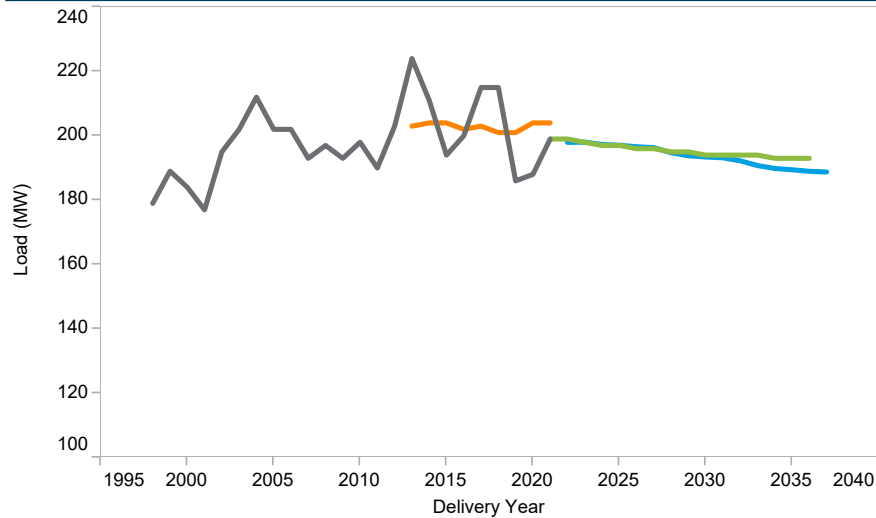
## Zonal 10/15 Year Load Growth

SUMMER	-0.3%	-0.3%
WINTER	-0.3%	-0.3%

## LDAs

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

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

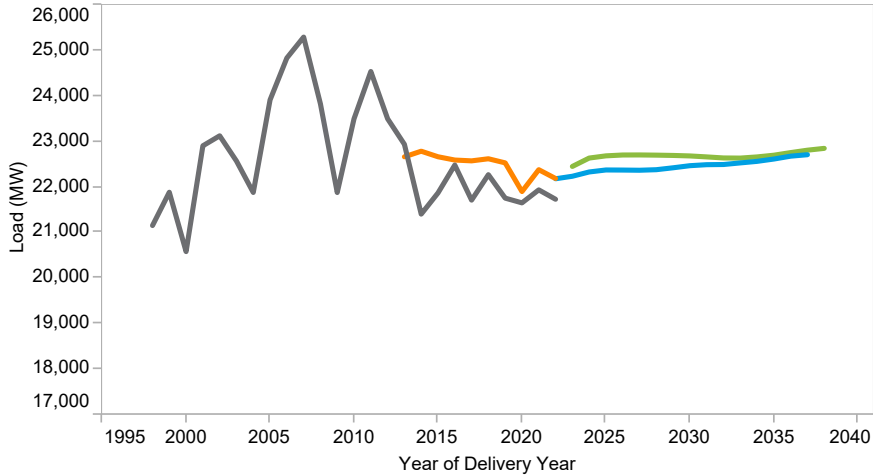


■ Scranton--Wilkes-Barre--Hazleton, PA

■ Peak      ■ WN peak      ■ Forecast 2022      ■ Forecast 2023

# American Electric Power (AEP)

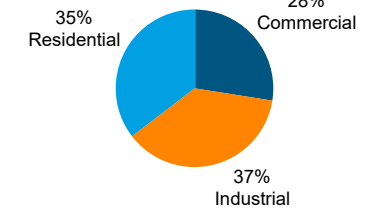
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	73.2
<b>Avg Summer Max Temp</b>	92.4
<b>Avg Winter Daily Temp</b>	33.2
<b>Avg Winter Min Temp</b>	2.7

## RCI Makeup



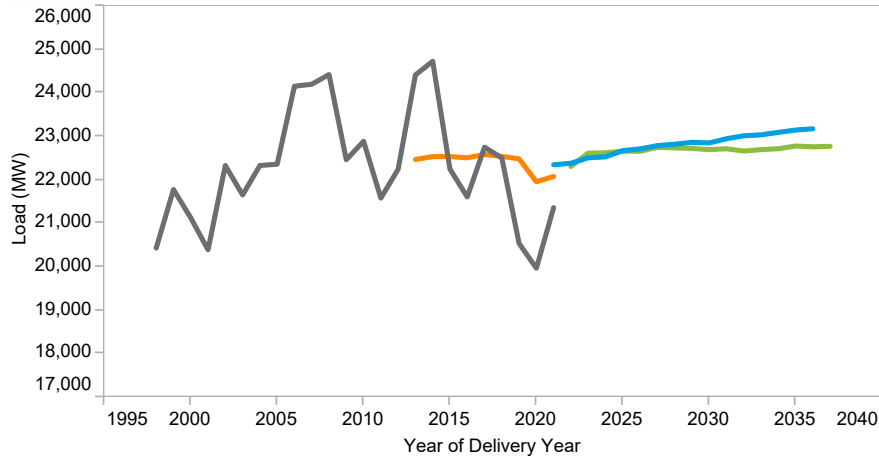
## Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.2%	0.1%

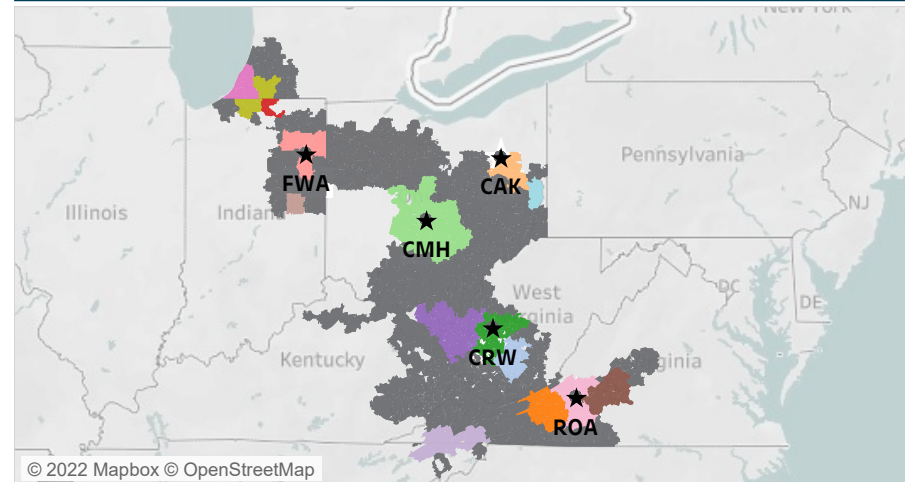
## LDAs

PJM RTO PJM WESTERN

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

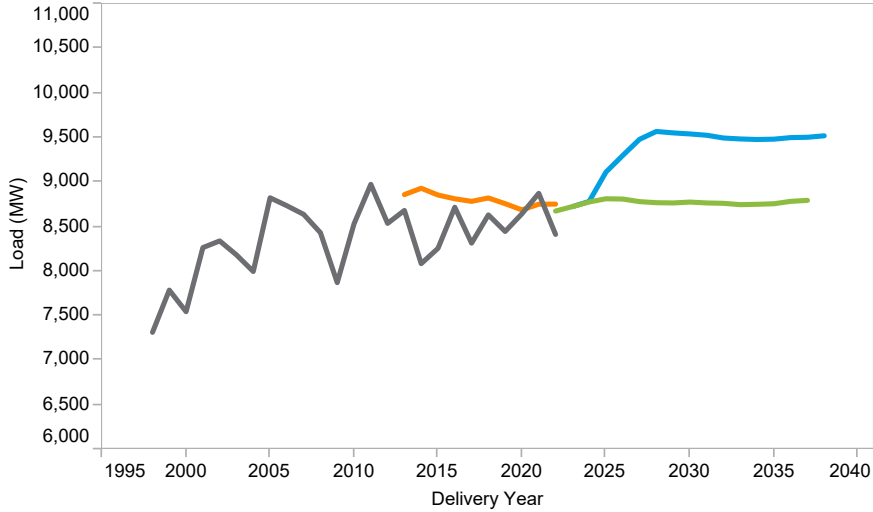


© 2022 Mapbox © OpenStreetMap

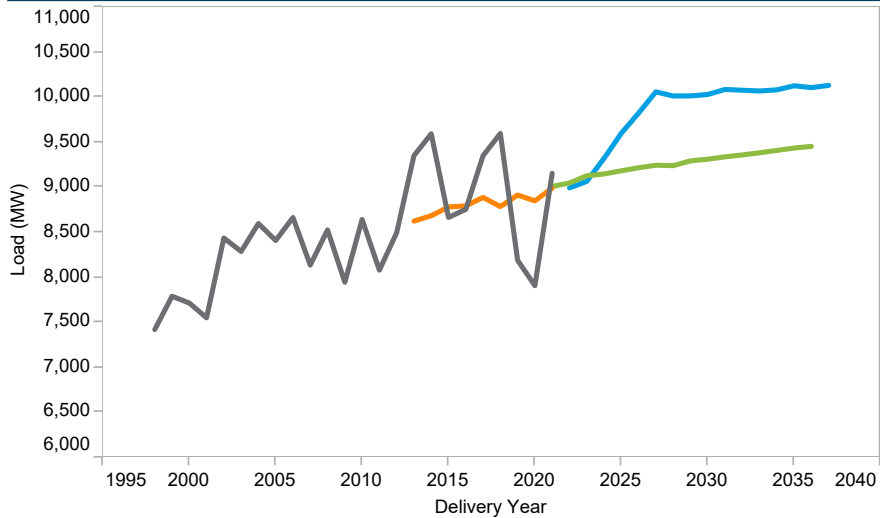
- Peak
- AEP - Non-Metro
- Columbus, OH
- Lynchburg, VA
- Weirton-Steubenville, WV-OH
- WN peak
- Beckley, WV
- Elkhart-Goshen, IN
- Muncie, IN
- Forecast 2022
- Blacksburg-Christiansburg-Radford, VA
- Fort Wayne, IN
- Niles-Benton Harbor, MI
- Forecast 2023
- Canton-Massillon, OH
- Huntington-Ashland, WV-KY-OH
- Roanoke, VA
- Charleston, WV
- Kingsport-Bristol-Bristol, TN-VA
- South Bend-Mishawaka, IN-MI

# Allegheny Power Systems (APS)

## Summer Peak



## Winter Peak



■ Peak     
 ■ WN peak     
 ■ Forecast 2022     
 ■ Forecast 2023

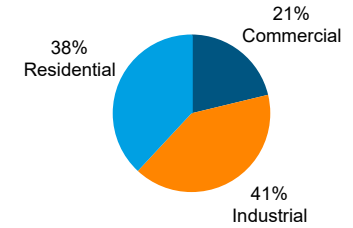
## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	72.8
<b>Avg Summer Max Temp</b>	92.7
<b>Avg Winter Daily Temp</b>	32.9
<b>Avg Winter Min Temp</b>	2.3

## Zonal 10/15 Year Load Growth

SUMMER	0.8%	0.6%
WINTER	1.1%	0.8%

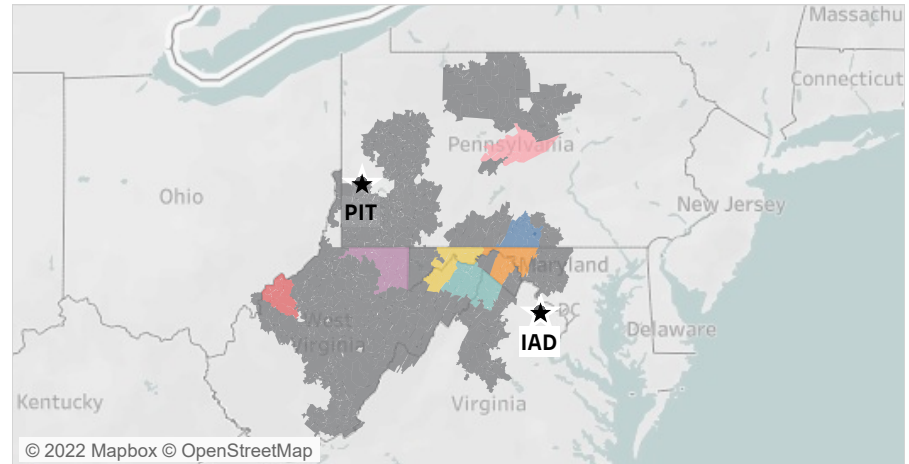
## RCI Makeup



## LDAs

PJM RTO PJM WESTERN

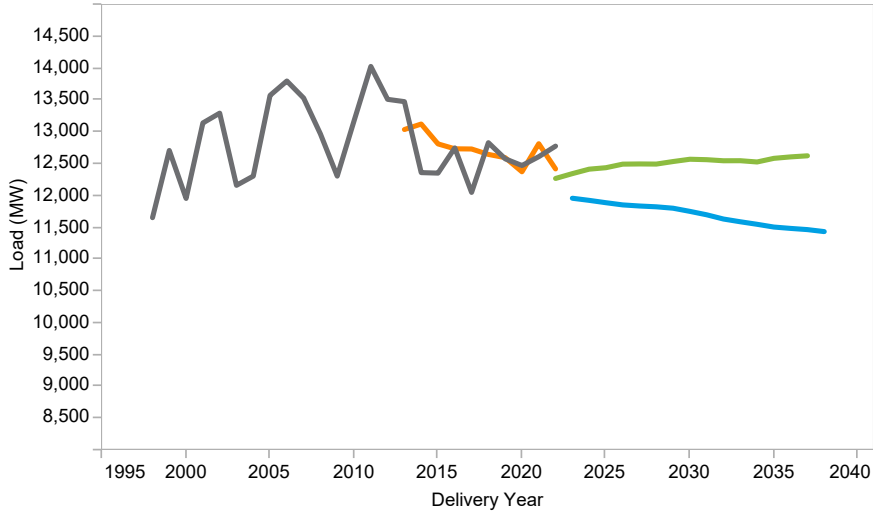
## Metropolitan Statistical Areas and Weather Stations



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

# American Transmission Systems, Inc. (ATSI)

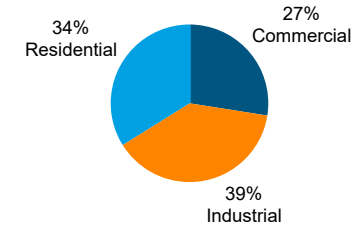
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	71.6
<b>Avg Summer Max Temp</b>	91.9
<b>Avg Winter Daily Temp</b>	29.9
<b>Avg Winter Min Temp</b>	-1.3

## RCI Makeup



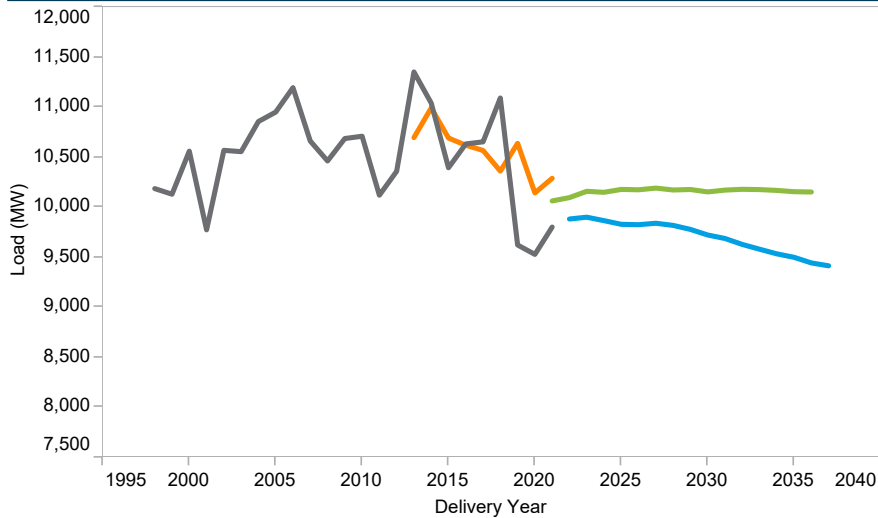
## Zonal 10/15 Year Load Growth

SUMMER	-0.3%	-0.3%
WINTER	-0.3%	-0.3%

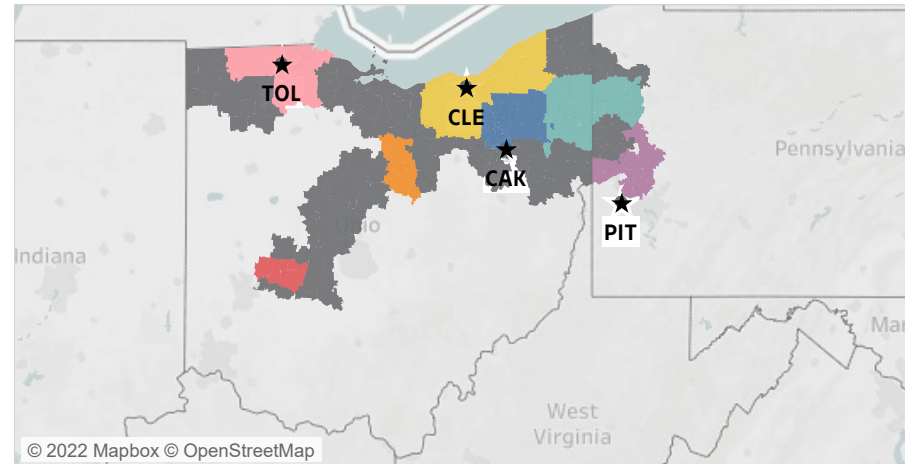
## LDAs

PJM RTO PJM WESTERN

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

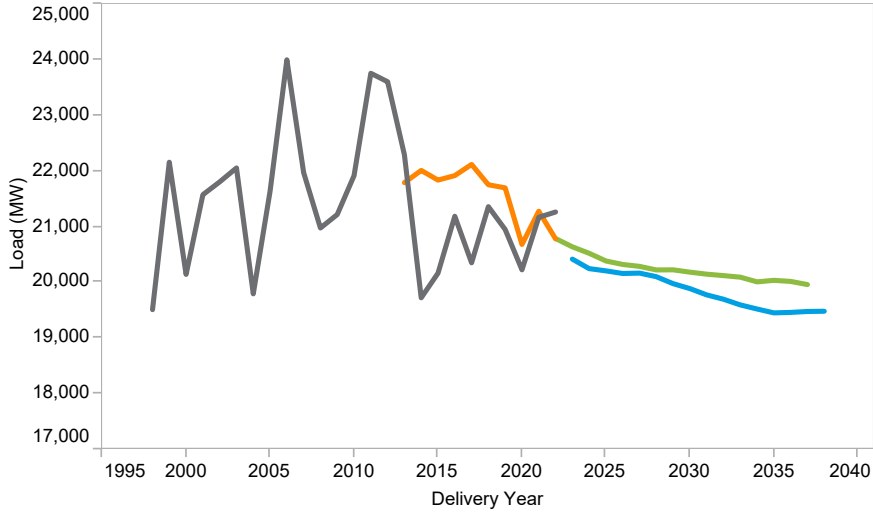


- Akron, OH
- Pittsburgh, PA
- ATSI - Non-Metro
- Springfield, OH
- Cleveland-Elyria, OH
- Toledo, OH
- Mansfield, OH
- Youngstown-Warren-Boardman, OH-PA

- Peak
- WN peak
- Forecast 2022
- Forecast 2023

# Commonweath Edison (COMED)

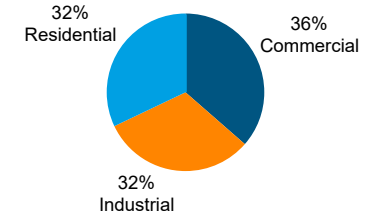
Summer Peak



Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	72.9
<b>Avg Summer Max Temp</b>	95.2
<b>Avg Winter Daily Temp</b>	27.6
<b>Avg Winter Min Temp</b>	-7.3

RCI Makeup



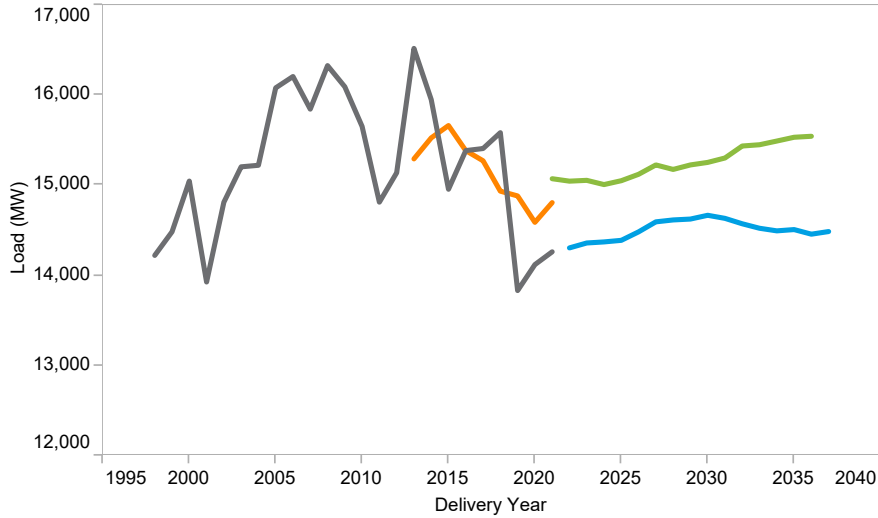
Zonal 10/15 Year Load Growth

SUMMER	-0.4%	-0.3%
WINTER	0.2%	0.1%

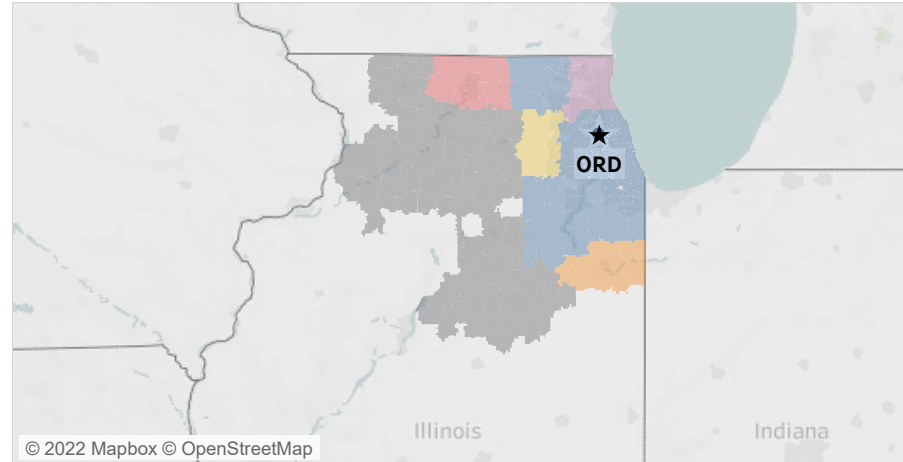
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations



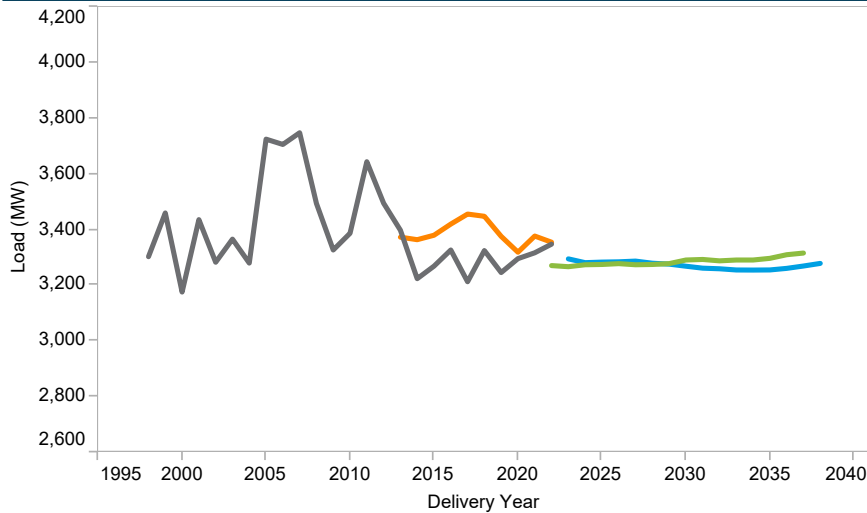
- Chicago-Naperville-Arlington Heights, IL
- Chicago-Naperville-Elgin, IL-IN-WI
- COMED - Non-Metro
- Kankakee, IL
- Lake County-Kenosha County, IL-WI
- Rockford, IL

- Peak
- WN peak
- Forecast 2022
- Forecast 2023



# Dayton Power and Light (DAYTON)

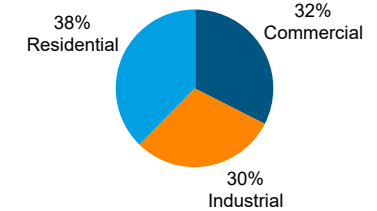
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	73.1
<b>Avg Summer Max Temp</b>	93.1
<b>Avg Winter Daily Temp</b>	31.0
<b>Avg Winter Min Temp</b>	-3.3

## RCI Makeup



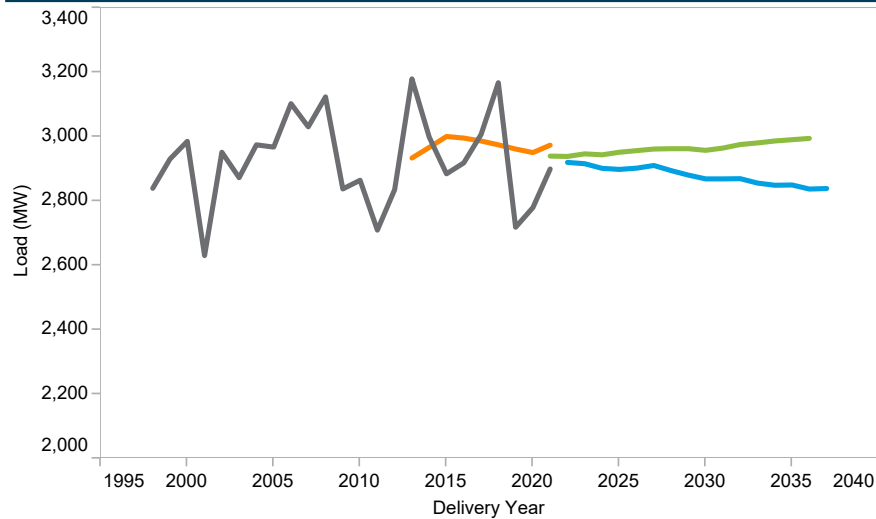
## Zonal 10/15 Year Load Growth

SUMMER	-0.1%	0.0%
WINTER	-0.2%	-0.2%

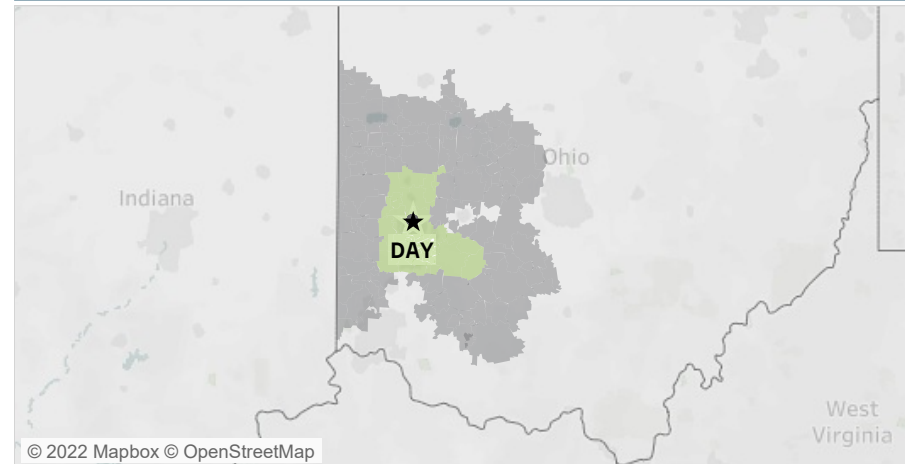
## LDAs

PJM RTO PJM WESTERN

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

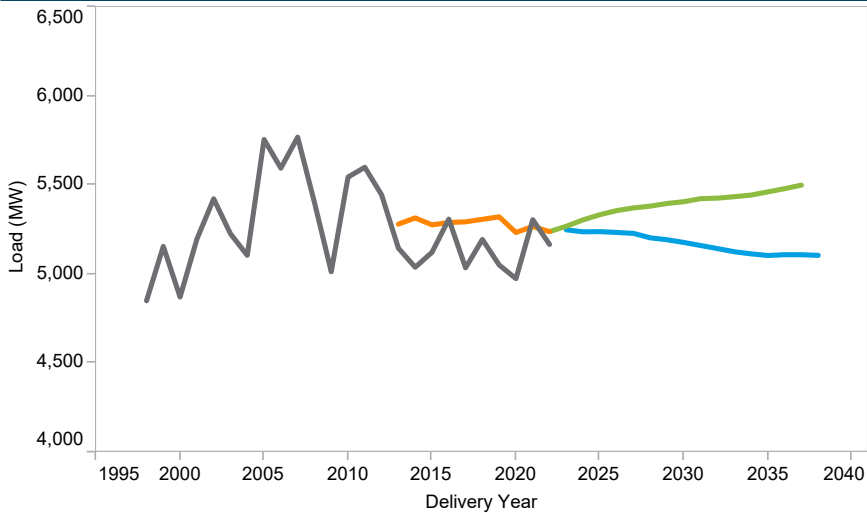


■ DAY - Non-Metro  
■ Dayton, OH

■ Peak     
 ■ WN peak     
 ■ Forecast 2022     
 ■ Forecast 2023

# Duke Energy Ohio and Kentucky (DEOK)

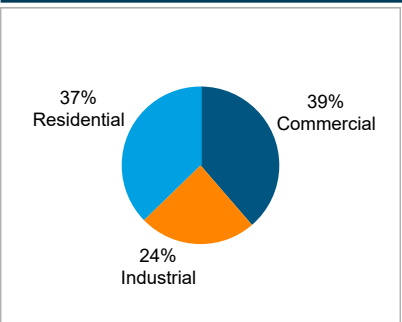
Summer Peak



Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	74.4
<b>Avg Summer Max Temp</b>	94.2
<b>Avg Winter Daily Temp</b>	33.9
<b>Avg Winter Min Temp</b>	-1.4

RCI Makeup



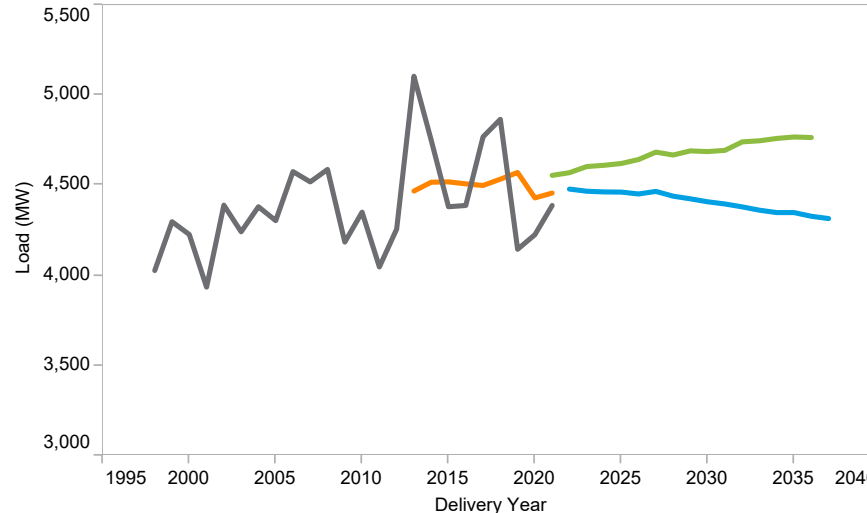
Zonal 10/15 Year Load Growth

SUMMER	-0.2%	-0.2%
WINTER	-0.2%	-0.2%

LDAs

PJM RTO PJM WESTERN

Winter Peak



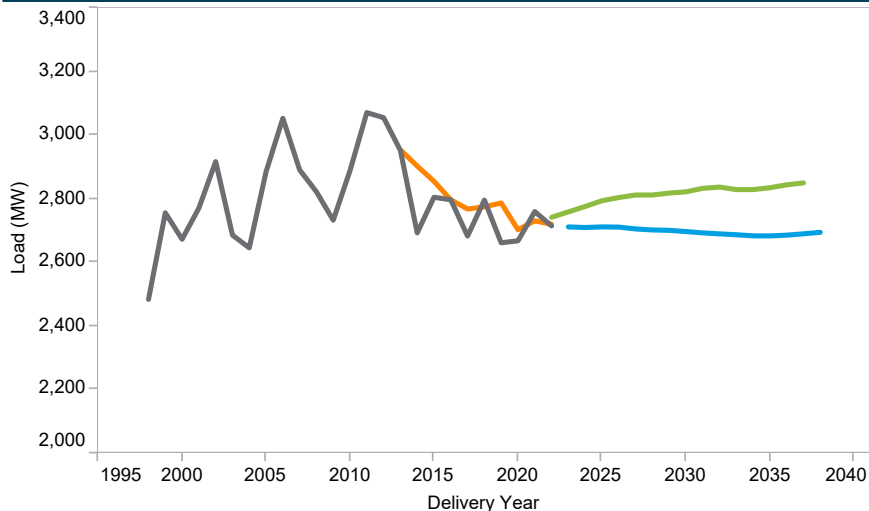
Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2022
  Forecast 2023

# Duquesne Light Company (DLCO)

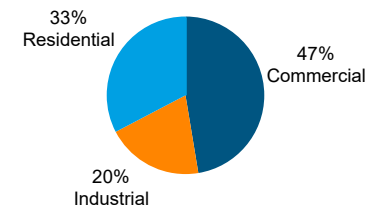
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	71.7
<b>Avg Summer Max Temp</b>	91.8
<b>Avg Winter Daily Temp</b>	31.5
<b>Avg Winter Min Temp</b>	-0.9

## RCI Makeup



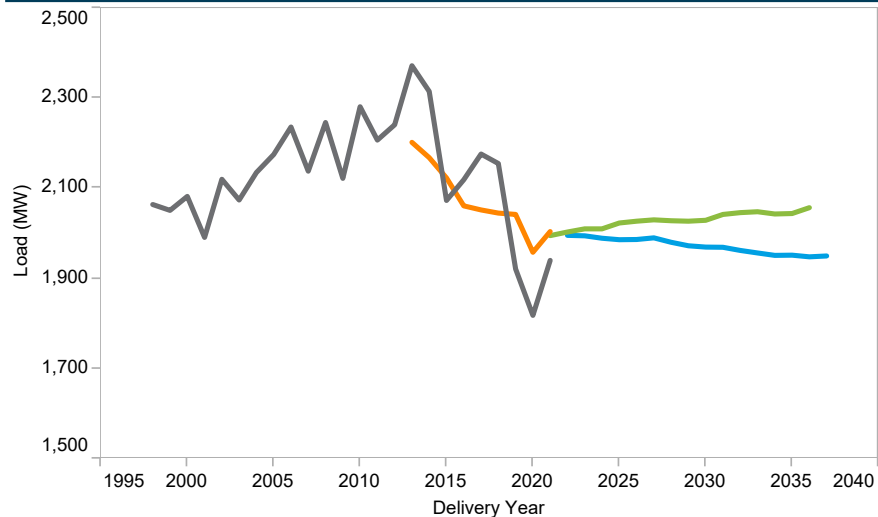
## Zonal 10/15 Year Load Growth

SUMMER	-0.1%	0.0%
WINTER	-0.2%	-0.2%

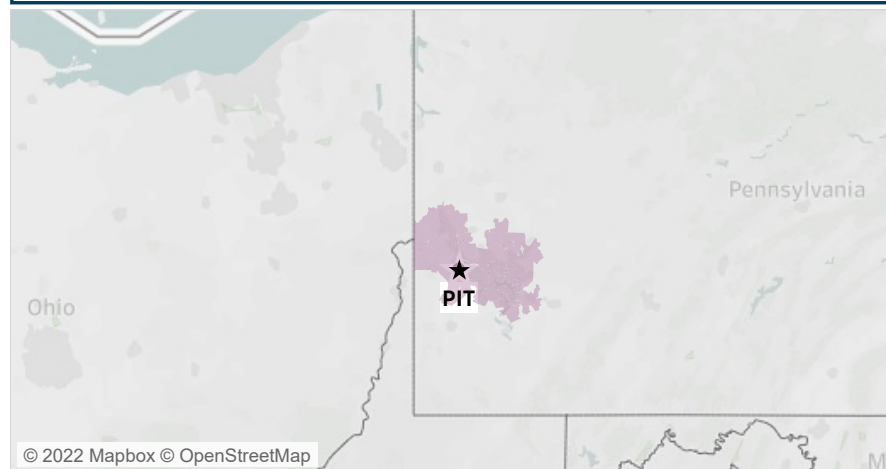
## LDAs

PJM RTO PJM WESTERN

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

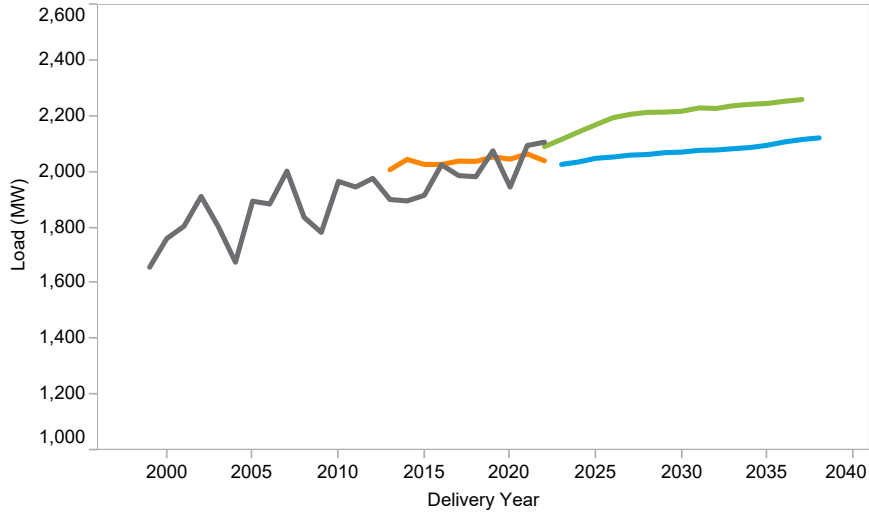


Pittsburgh, PA

■ Peak     
 ■ WN peak     
 ■ Forecast 2022     
 ■ Forecast 2023

# East Kentucky Power Cooperative (EKPC)

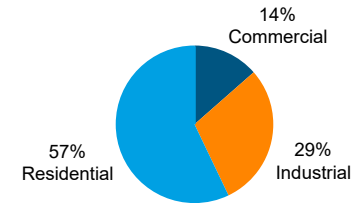
## Summer Peak



## Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	75.5
<b>Avg Summer Max Temp</b>	94.3
<b>Avg Winter Daily Temp</b>	35.9
<b>Avg Winter Min Temp</b>	2.1

## RCI Makeup



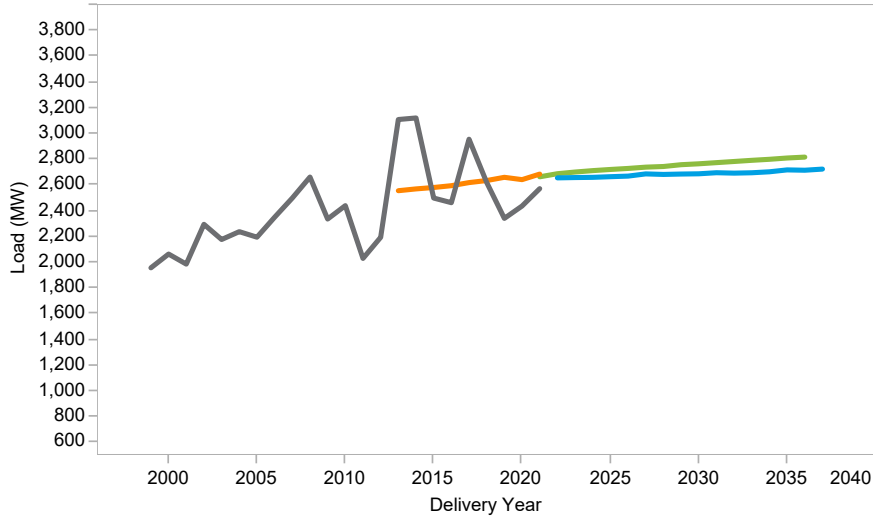
## Zonal 10/15 Year Load Growth

SUMMER	0.3%	0.3%
WINTER	0.1%	0.2%

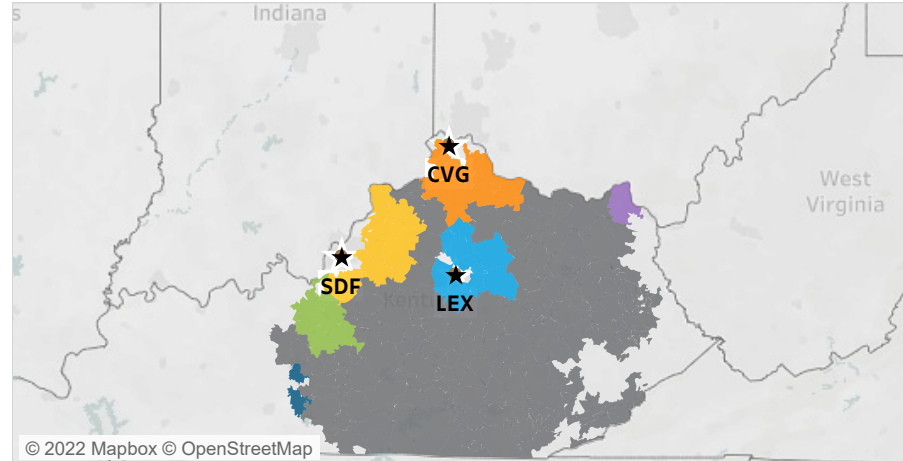
## LDAs

PJM RTO PJM WESTERN

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

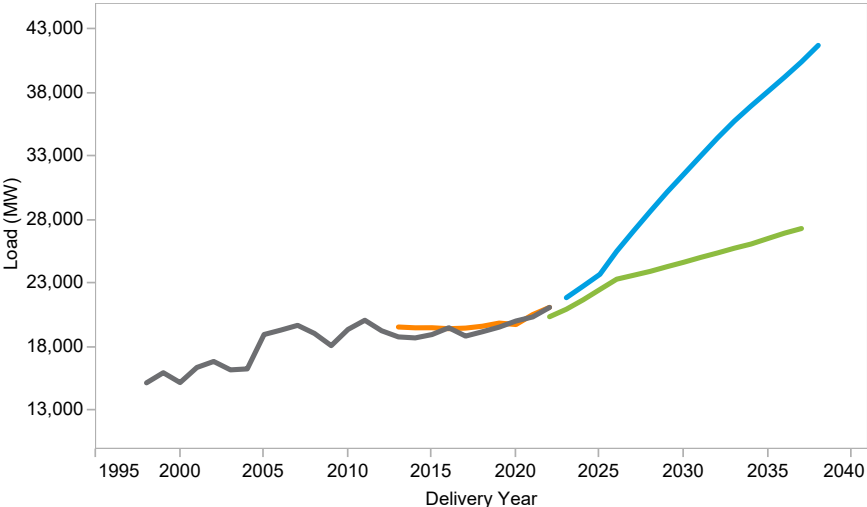


Peak
  WN peak
  Forecast 2022
  Forecast 2023

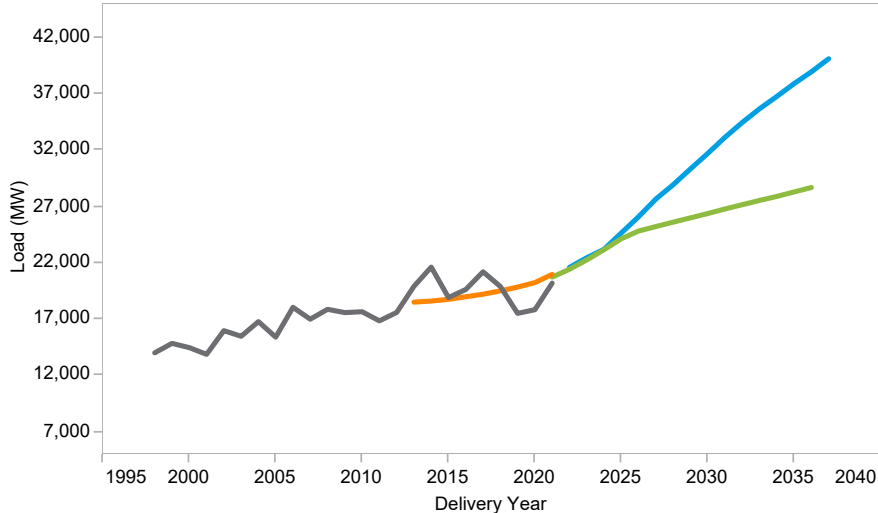
- Bowling Green, KY
- Cincinnati, OH-KY-IN
- EKPC - Non-Metro
- Huntington-Ashland, WV-KY-OH
- Lexington-Fayette, KY
- Louisville/Jefferson County, KY-IN
- Elizabethtown-Fort Knox, KY

# Dominion (DOM)

Summer Peak



Winter Peak



Peak     
  WN peak     
  Forecast 2022     
  Forecast 2023

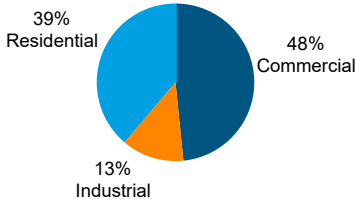
Weather - Annual Average 1993-2021

<b>Avg Summer Daily Temp</b>	76.9
<b>Avg Summer Max Temp</b>	97.0
<b>Avg Winter Daily Temp</b>	40.3
<b>Avg Winter Min Temp</b>	12.3

Zonal 10/15 Year Load Growth

SUMMER	5.0%	4.4%
WINTER	4.8%	4.2%

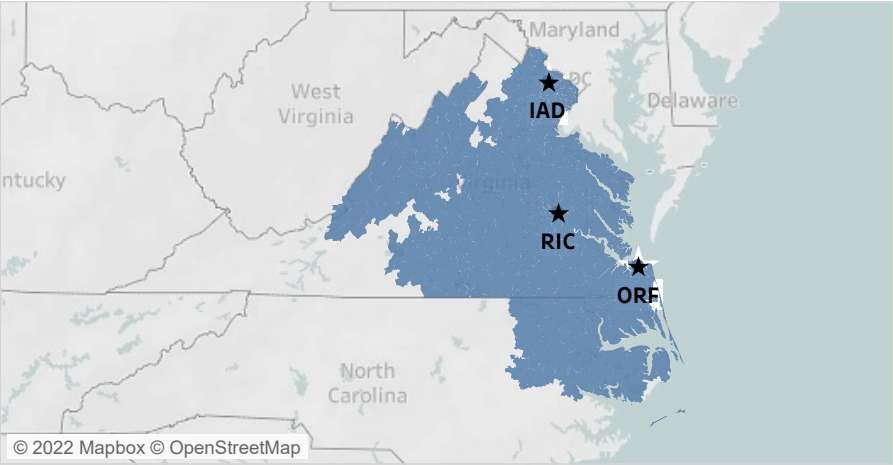
RCI Makeup



LDAs

PJM RTO

Metropolitan Statistical Areas and Weather Stations



■ Virginia Commonwealth Economics

Table A-1

PJM MID-ATLANTIC REGION  
 SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
 TO THE JANUARY 2022 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	2023		2028		2033	
	MW	%	MW	%	MW	%
AE	59	2.4%	(22)	-0.9%	(134)	-5.3%
BGE	83	1.3%	(84)	-1.3%	(260)	-4.1%
DPL	(21)	-0.5%	(152)	-3.9%	(162)	-4.2%
JCPL	273	4.7%	183	3.2%	(62)	-1.1%
METED	106	3.6%	89	3.0%	34	1.1%
PECO	141	1.7%	178	2.1%	113	1.3%
PENLC	64	2.3%	22	0.8%	(42)	-1.5%
PEPCO	274	4.7%	367	6.3%	463	8.1%
PL	152	2.2%	112	1.6%	(17)	-0.2%
PS	370	3.9%	53	0.6%	(398)	-4.0%
RECO	25	6.4%	32	8.3%	28	7.2%
UGI	3	1.6%	1	0.5%	(1)	-0.5%
PJM MID-ATLANTIC	664	1.2%	(205)	-0.4%	(1,266)	-2.3%
FE-EAST	400	3.5%	312	2.8%	(53)	-0.5%
PLGRP	168	2.3%	135	1.9%	5	0.1%

Table A-1

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO  
 SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
 TO THE JANUARY 2022 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	2023		2028		2033	
	MW	%	MW	%	MW	%
AEP	215	1.0%	320	1.4%	106	0.5%
APS	(1)	-0.0%	799	9.1%	737	8.4%
ATSI	(387)	-3.1%	(671)	-5.4%	(959)	-7.6%
COMED	(221)	-1.1%	(121)	-0.6%	(498)	-2.5%
DAYTON	28	0.9%	5	0.2%	(36)	-1.1%
DEOK	(20)	-0.4%	(178)	-3.3%	(309)	-5.7%
DLCO	(47)	-1.7%	(110)	-3.9%	(142)	-5.0%
EKPC	(90)	-4.3%	(151)	-6.8%	(154)	-6.9%
OVEC	5	5.6%	5	5.6%	5	5.6%
PJM WESTERN	(397)	-0.5%	12	0.0%	(1,299)	-1.7%
DOM	907	4.3%	4,715	19.7%	9,982	38.7%
PJM RTO	(292)	-0.2%	3,014	2.0%	6,204	4.0%



Table A-2

PJM MID-ATLANTIC REGION  
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2022 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	22/23		27/28		32/33	
	MW	%	MW	%	MW	%
AE	(29)	-1.8%	(79)	-4.7%	(160)	-9.3%
BGE	(47)	-0.8%	(234)	-3.9%	(498)	-8.1%
DPL	(5)	-0.1%	(75)	-2.0%	(188)	-4.8%
JCPL	30	0.8%	29	0.8%	(109)	-2.7%
METED	96	3.7%	153	5.9%	133	5.0%
PECO	(177)	-2.7%	(75)	-1.1%	(144)	-2.2%
PENLC	48	1.7%	33	1.2%	(16)	-0.6%
PEPCO	0	0.0%	23	0.4%	11	0.2%
PL	85	1.2%	113	1.5%	19	0.3%
PS	(160)	-2.4%	(454)	-6.5%	(896)	-12.3%
RECO	(14)	-6.1%	6	2.6%	9	3.8%
UGI	(1)	-0.5%	0	0.0%	(2)	-1.0%
PJM MID-ATLANTIC	(479)	-1.0%	(749)	-1.6%	(2,022)	-4.2%
FE-EAST	181	2.0%	191	2.1%	7	0.1%
PLGRP	85	1.1%	117	1.6%	21	0.3%

Table A-2

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO  
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2022 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	22/23		27/28		32/33	
	MW	%	MW	%	MW	%
AEP	(74)	-0.3%	(41)	-0.2%	(350)	-1.5%
APS	(55)	-0.6%	814	8.8%	718	7.7%
ATSI	(214)	-2.1%	(351)	-3.4%	(551)	-5.4%
COMED	(741)	-4.9%	(632)	-4.2%	(863)	-5.6%
DAYTON	(19)	-0.6%	(51)	-1.7%	(106)	-3.6%
DEOK	(91)	-2.0%	(218)	-4.7%	(361)	-7.6%
DLCO	(7)	-0.3%	(40)	-2.0%	(84)	-4.1%
EKPC	(32)	-1.2%	(52)	-1.9%	(91)	-3.3%
OVEC	(5)	-4.3%	(5)	-4.3%	(5)	-4.3%
PJM WESTERN	(1,512)	-2.2%	(946)	-1.4%	(1,910)	-2.8%
DOM	165	0.8%	2,440	9.7%	7,299	26.8%
PJM RTO	(2,169)	-1.6%	453	0.3%	2,678	1.9%

Table B-1

**SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2023 - 2033**

	METERED 2022	UNRESTRICTED 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Annual Growth Rate (10 yr)
AE	2,615	2,615	2,549	2,526	2,516	2,504	2,492	2,481	2,467	2,452	2,438	2,426	2,418	( 0.5%)
BGE	6,521	6,521	6,474	6,428	6,406	6,378	6,350	6,307	6,243	6,203	6,160	6,105	6,060	( 0.7%)
DPL	4,126	4,126	3,861	3,841	3,823	3,807	3,791	3,765	3,747	3,726	3,701	3,680	3,666	( 0.5%)
JCPL	6,124	6,124	6,072	6,032	6,025	6,011	5,984	5,945	5,932	5,894	5,871	5,857	5,830	( 0.4%)
METED	3,022	3,022	3,040	3,041	3,058	3,076	3,080	3,077	3,083	3,088	3,099	3,106	3,112	0.2%
PECO	8,583	8,583	8,527	8,522	8,533	8,550	8,559	8,568	8,563	8,567	8,571	8,581	8,590	0.1%
PENLC	2,801	2,801	2,871	2,858	2,863	2,857	2,848	2,830	2,821	2,820	2,813	2,801	2,792	( 0.3%)
PEPCO	5,834	5,834	6,166	6,164	6,194	6,209	6,217	6,213	6,214	6,215	6,217	6,200	6,201	0.1%
PL	7,065	7,076	7,175	7,181	7,212	7,230	7,225	7,223	7,218	7,224	7,241	7,242	7,248	0.1%
PS	10,148	10,148	9,904	9,824	9,795	9,806	9,754	9,685	9,639	9,581	9,561	9,529	9,499	( 0.4%)
RECO	408	408	414	415	417	419	420	419	419	419	418	417	416	0.0%
UGI	207	207	195	194	194	194	193	192	192	191	190	190	189	( 0.3%)
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	56,443	56,449	55,736	55,450	55,419	55,435	55,302	54,969	54,738	54,414	54,278	54,507	54,336	( 0.3%)
FE-EAST	11,712	11,712	11,696	11,673	11,686	11,680	11,647	11,617	11,590	11,547	11,523	11,509	11,482	( 0.2%)
PLGRP	7,262	7,277	7,370	7,375	7,406	7,423	7,417	7,415	7,410	7,410	7,431	7,432	7,437	0.1%

## Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2023).

Summer season indicates peak from June, July, August.

Table B-1 (continued)

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2034 - 2038

	2034	2035	2036	2037	2038	Annual Growth Rate (15 yr)
AE	2,407	2,399	2,399	2,399	2,402	( 0.4%)
	-0.5%	-0.3%	0.0%	0.0%	0.1%	
BGE	6,005	5,975	5,966	5,972	5,972	( 0.5%)
	-0.9%	-0.5%	-0.2%	0.1%	0.0%	
DPL	3,653	3,649	3,651	3,655	3,660	( 0.4%)
	-0.4%	-0.1%	0.1%	0.1%	0.1%	
JCPL	5,810	5,794	5,816	5,839	5,864	( 0.2%)
	-0.3%	-0.3%	0.4%	0.4%	0.4%	
METED	3,118	3,124	3,140	3,156	3,171	0.3%
	0.2%	0.2%	0.5%	0.5%	0.5%	
PECO	8,588	8,593	8,611	8,633	8,656	0.1%
	-0.0%	0.1%	0.2%	0.3%	0.3%	
PENLC	2,780	2,772	2,777	2,778	2,774	( 0.2%)
	-0.4%	-0.3%	0.2%	0.0%	-0.1%	
PEPCO	6,198	6,200	6,240	6,273	6,298	0.1%
	-0.0%	0.0%	0.6%	0.5%	0.4%	
PL	7,236	7,233	7,286	7,317	7,342	0.2%
	-0.2%	-0.0%	0.7%	0.4%	0.3%	
PS	9,482	9,392	9,427	9,524	9,566	( 0.2%)
	-0.2%	-0.9%	0.4%	1.0%	0.4%	
RECO	415	415	417	420	422	0.1%
	-0.2%	0.0%	0.5%	0.7%	0.5%	
UGI	188	188	188	188	187	( 0.3%)
	-0.5%	0.0%	0.0%	0.0%	-0.5%	
DIVERSITY - MID-ATLANTIC(-)	1,865	1,784	1,851	1,600	1,654	
PJM MID-ATLANTIC	54,015	53,950	54,067	54,554	54,660	( 0.1%)
	-0.6%	-0.1%	0.2%	0.9%	0.2%	
FE-EAST	11,448	11,445	11,471	11,497	11,523	( 0.1%)
	-0.3%	-0.0%	0.2%	0.2%	0.2%	
PLGRP	7,424	7,421	7,472	7,498	7,518	0.1%
	-0.2%	-0.0%	0.7%	0.3%	0.3%	

Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2023).

Summer season indicates peak from June, July, August.

**Table B-1**  
**SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR**  
**EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO**  
**2023 - 2033**

	METERED 2022	UNRESTRICTED 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Annual Growth Rate (10 yr)
AEP	21,733	21,733	22,453	22,637	22,686	22,705	22,706	22,702	22,695	22,684	22,663	22,640	22,637	0.1%
				0.8%	0.2%	0.1%	0.0%	-0.0%	-0.0%	-0.0%	-0.1%	-0.1%	-0.0%	
APS	8,413	8,413	8,724	8,783	9,112	9,299	9,480	9,568	9,552	9,540	9,526	9,495	9,484	0.8%
				0.7%	3.7%	2.1%	1.9%	0.9%	-0.2%	-0.1%	-0.1%	-0.3%	-0.1%	
ATSI	12,772	12,781	11,962	11,929	11,892	11,858	11,840	11,828	11,805	11,756	11,702	11,636	11,593	( 0.3%)
				-0.3%	-0.3%	-0.3%	-0.2%	-0.1%	-0.2%	-0.4%	-0.5%	-0.6%	-0.4%	
COMED	21,263	21,263	20,417	20,246	20,206	20,159	20,166	20,102	19,977	19,888	19,775	19,697	19,595	( 0.4%)
				-0.8%	-0.2%	-0.2%	0.0%	-0.3%	-0.6%	-0.4%	-0.6%	-0.4%	-0.5%	
DAYTON	3,348	3,348	3,295	3,281	3,284	3,285	3,287	3,280	3,276	3,269	3,262	3,260	3,255	( 0.1%)
				-0.4%	0.1%	0.0%	0.1%	-0.2%	-0.1%	-0.2%	-0.2%	-0.1%	-0.2%	
DEOK	5,167	5,167	5,249	5,238	5,239	5,234	5,229	5,204	5,193	5,178	5,161	5,144	5,126	( 0.2%)
				-0.2%	0.0%	-0.1%	-0.1%	-0.5%	-0.2%	-0.3%	-0.3%	-0.3%	-0.3%	
DLCO	2,715	2,715	2,712	2,710	2,712	2,711	2,705	2,702	2,701	2,697	2,693	2,690	2,687	( 0.1%)
				-0.1%	0.1%	-0.0%	-0.2%	-0.1%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	
EKPC	2,107	2,107	2,027	2,036	2,049	2,054	2,061	2,063	2,069	2,071	2,078	2,079	2,084	0.3%
				0.4%	0.6%	0.2%	0.3%	0.1%	0.3%	0.1%	0.3%	0.0%	0.2%	
OVEC	121	121	95	95	95	95	95	95	95	95	95	95	95	0.0%
				0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	76,307	76,412	1,581 75,353	1,555 75,400	1,598 75,677	1,565 75,835	1,541 76,028	1,572 75,972	1,595 75,768	1,657 75,521	1,770 75,185	1,659 75,077	1,676 74,880	( 0.1%)
				0.1%	0.4%	0.2%	0.3%	-0.1%	-0.3%	-0.3%	-0.4%	-0.1%	-0.3%	
DOM	21,157	21,157	21,920	22,828	23,758	25,568	27,157	28,705	30,216	31,633	33,055	34,465	35,789	5.0%
				4.1%	4.1%	7.6%	6.2%	5.7%	5.3%	4.7%	4.5%	4.3%	3.8%	
DIVERSITY - TOTAL(-) PJM RTO	147,337	147,361	7,043 149,059	7,072 149,737	7,145 150,924	7,273 152,736	7,364 154,275	7,251 155,703	7,194 156,923	7,292 157,899	7,348 158,942	7,418 159,917	7,395 160,971	0.8%
				0.5%	0.8%	1.2%	1.0%	0.9%	0.8%	0.6%	0.7%	0.6%	0.7%	

Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2023).

Summer season indicates peak from June, July, August.

Table B-1 (continued)

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2034 - 2038

	2034	2035	2036	2037	2038	Annual Growth Rate (15 yr)
AEP	22,663	22,700	22,757	22,810	22,850	0.1%
	0.1%	0.2%	0.3%	0.2%	0.2%	
APS	9,478	9,482	9,499	9,503	9,520	0.6%
	-0.1%	0.0%	0.2%	0.0%	0.2%	
ATSI	11,553	11,510	11,488	11,469	11,438	( 0.3%)
	-0.3%	-0.4%	-0.2%	-0.2%	-0.3%	
COMED	19,522	19,452	19,460	19,477	19,481	( 0.3%)
	-0.4%	-0.4%	0.0%	0.1%	0.0%	
DAYTON	3,255	3,255	3,261	3,269	3,279	( 0.0%)
	0.0%	0.0%	0.2%	0.2%	0.3%	
DEOK	5,114	5,105	5,110	5,109	5,106	( 0.2%)
	-0.2%	-0.2%	0.1%	-0.0%	-0.1%	
DLCO	2,684	2,683	2,686	2,690	2,695	( 0.0%)
	-0.1%	-0.0%	0.1%	0.1%	0.2%	
EKPC	2,088	2,096	2,108	2,117	2,122	0.3%
	0.2%	0.4%	0.6%	0.4%	0.2%	
OVEC	95	95	95	95	95	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	1,716 74,736	1,802 74,576	1,824 74,640	1,872 74,667	1,849 74,737	( 0.1%)
	-0.2%	-0.2%	0.1%	0.0%	0.1%	
DOM	36,980	38,115	39,255	40,443	41,741	4.4%
	3.3%	3.1%	3.0%	3.0%	3.2%	
DIVERSITY - TOTAL(-) PJM RTO	7,217 162,095	7,088 163,139	7,096 164,541	7,160 165,976	7,074 167,567	0.8%
	0.7%	0.6%	0.9%	0.9%	1.0%	

Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2023).

Summer season indicates peak from June, July, August.

Table B-2

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2022/23 - 2032/33

	METERED	UNRESTRICTED												Annual
	21/22	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	Growth Rate (10 yr)
AE	1,515	1,515	1,590	1,585	1,582	1,583	1,583	1,587	1,579	1,573	1,568	1,568	1,561	( 0.2%)
				-0.3%	-0.2%	0.1%	0.0%	0.3%	-0.5%	-0.4%	-0.3%	0.0%	-0.4%	
BGE	5,699	5,699	5,755	5,747	5,753	5,757	5,754	5,766	5,737	5,717	5,702	5,708	5,680	( 0.1%)
				-0.1%	0.1%	0.1%	-0.1%	0.2%	-0.5%	-0.3%	-0.3%	0.1%	-0.5%	
DPL	3,598	3,598	3,623	3,632	3,636	3,651	3,662	3,674	3,669	3,673	3,678	3,685	3,690	0.2%
				0.2%	0.1%	0.4%	0.3%	0.3%	-0.1%	0.1%	0.1%	0.2%	0.1%	
JCPL	3,568	3,568	3,740	3,752	3,776	3,806	3,828	3,857	3,851	3,850	3,852	3,859	3,864	0.3%
				0.3%	0.6%	0.8%	0.6%	0.8%	-0.2%	-0.0%	0.1%	0.2%	0.1%	
METED	2,651	2,651	2,696	2,718	2,712	2,721	2,730	2,764	2,743	2,743	2,752	2,779	2,772	0.3%
				0.8%	-0.2%	0.3%	0.3%	1.2%	-0.8%	0.0%	0.3%	1.0%	-0.3%	
PECO	6,232	6,232	6,459	6,512	6,484	6,492	6,499	6,575	6,516	6,520	6,522	6,583	6,530	0.1%
				0.8%	-0.4%	0.1%	0.1%	1.2%	-0.9%	0.1%	0.0%	0.9%	-0.8%	
PENLC	2,831	2,831	2,823	2,824	2,809	2,802	2,797	2,802	2,784	2,773	2,767	2,768	2,751	( 0.3%)
				0.0%	-0.5%	-0.2%	-0.2%	0.2%	-0.6%	-0.4%	-0.2%	0.0%	-0.6%	
PEPCO	5,085	5,085	5,381	5,408	5,422	5,445	5,474	5,508	5,489	5,498	5,507	5,538	5,531	0.3%
				0.5%	0.3%	0.4%	0.5%	0.6%	-0.3%	0.2%	0.2%	0.6%	-0.1%	
PL	7,303	7,303	7,334	7,334	7,377	7,391	7,399	7,425	7,371	7,375	7,398	7,417	7,407	0.1%
				0.0%	0.6%	0.2%	0.1%	0.4%	-0.7%	0.1%	0.3%	0.3%	-0.1%	
PS	6,409	6,409	6,530	6,533	6,524	6,520	6,516	6,515	6,486	6,455	6,431	6,411	6,393	( 0.2%)
				0.0%	-0.1%	-0.1%	-0.1%	-0.0%	-0.4%	-0.5%	-0.4%	-0.3%	-0.3%	
RECO	209	209	214	220	225	231	236	240	244	246	247	249	249	1.5%
				2.8%	2.3%	2.7%	2.2%	1.7%	1.7%	0.8%	0.4%	0.8%	0.0%	
UGI	199	199	198	198	197	197	197	196	195	194	193	193	192	( 0.3%)
				0.0%	-0.5%	0.0%	0.0%	-0.5%	-0.5%	-0.5%	-0.5%	0.0%	-0.5%	
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	44,184	44,184	868 45,475	754 45,709	981 45,516	916 45,680	912 45,763	777 46,132	875 45,789	910 45,707	949 45,668	872 45,886	769 45,851	0.1%
				0.5%	-0.4%	0.4%	0.2%	0.8%	-0.7%	-0.2%	-0.1%	0.5%	-0.1%	
FE-EAST	8,746	8,746	9,180	9,202	9,209	9,257	9,285	9,319	9,303	9,279	9,291	9,322	9,305	0.1%
				0.2%	0.1%	0.5%	0.3%	0.4%	-0.2%	-0.3%	0.1%	0.3%	-0.2%	
PLGRP	7,501	7,501	7,525	7,524	7,570	7,584	7,592	7,617	7,556	7,569	7,589	7,608	7,594	0.1%
				-0.0%	0.6%	0.2%	0.1%	0.3%	-0.8%	0.2%	0.3%	0.3%	-0.2%	

Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2022/23).

Winter season indicates peak from December, January, February.

Table B-2 (Continued)

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2033/34 - 2037/38

	33/34	34/35	35/36	36/37	37/38	Annual Growth Rate (15 yr)
AE	1,553	1,548	1,545	1,544	1,546	( 0.2%)
	-0.5%	-0.3%	-0.2%	-0.1%	0.1%	
BGE	5,667	5,656	5,660	5,641	5,646	( 0.1%)
	-0.2%	-0.2%	0.1%	-0.3%	0.1%	
DPL	3,684	3,695	3,697	3,707	3,717	0.2%
	-0.2%	0.3%	0.1%	0.3%	0.3%	
JCPL	3,851	3,844	3,849	3,862	3,881	0.2%
	-0.3%	-0.2%	0.1%	0.3%	0.5%	
METED	2,766	2,771	2,791	2,786	2,795	0.2%
	-0.2%	0.2%	0.7%	-0.2%	0.3%	
PECO	6,521	6,524	6,588	6,544	6,554	0.1%
	-0.1%	0.0%	1.0%	-0.7%	0.2%	
PENLC	2,737	2,727	2,734	2,717	2,714	( 0.3%)
	-0.5%	-0.4%	0.3%	-0.6%	-0.1%	
PEPCO	5,542	5,561	5,596	5,598	5,617	0.3%
	0.2%	0.3%	0.6%	0.0%	0.3%	
PL	7,376	7,372	7,382	7,405	7,418	0.1%
	-0.4%	-0.1%	0.1%	0.3%	0.2%	
PS	6,364	6,335	6,324	6,328	6,322	( 0.2%)
	-0.5%	-0.5%	-0.2%	0.1%	-0.1%	
RECO	249	249	251	254	256	1.2%
	0.0%	0.0%	0.8%	1.2%	0.8%	
UGI	191	190	189	189	189	( 0.3%)
	-0.5%	-0.5%	-0.5%	0.0%	0.0%	
DIVERSITY - MID-ATLANTIC(-)	902	933	957	897	923	
PJM MID-ATLANTIC	45,599	45,539	45,649	45,678	45,732	0.0%
	-0.5%	-0.1%	0.2%	0.1%	0.1%	
FE-EAST	9,283	9,275	9,293	9,306	9,335	0.1%
	-0.2%	-0.1%	0.2%	0.1%	0.3%	
PLGRP	7,560	7,552	7,565	7,594	7,607	0.1%
	-0.4%	-0.1%	0.2%	0.4%	0.2%	

Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2022/23).

Winter season indicates peak from December, January, February.



Table B-2

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2022/23 - 2032/33

	METERED	UNRESTRICTED												Annual
	21/22	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	Growth Rate (10 yr)
AEP	21,362	21,362	22,308	22,615	22,623	22,659	22,658	22,746	22,735	22,723	22,695	22,715	22,663	0.2%
				1.4%	0.0%	0.2%	-0.0%	0.4%	-0.0%	-0.1%	-0.1%	0.1%	-0.2%	
APS	9,155	9,155	8,993	9,066	9,320	9,600	9,823	10,059	10,013	10,014	10,029	10,086	10,077	1.1%
				0.8%	2.8%	3.0%	2.3%	2.4%	-0.5%	0.0%	0.1%	0.6%	-0.1%	
ATSI	9,803	9,803	9,883	9,901	9,867	9,830	9,827	9,841	9,820	9,780	9,724	9,689	9,629	( 0.3%)
				0.2%	-0.3%	-0.4%	-0.0%	0.1%	-0.2%	-0.4%	-0.6%	-0.4%	-0.6%	
COMED	14,262	14,262	14,305	14,360	14,372	14,389	14,483	14,594	14,616	14,625	14,667	14,633	14,573	0.2%
				0.4%	0.1%	0.1%	0.7%	0.8%	0.2%	0.1%	0.3%	-0.2%	-0.4%	
DAYTON	2,900	2,900	2,920	2,916	2,902	2,899	2,903	2,911	2,895	2,881	2,869	2,869	2,870	( 0.2%)
				-0.1%	-0.5%	-0.1%	0.1%	0.3%	-0.5%	-0.5%	-0.4%	0.0%	0.0%	
DEOK	4,388	4,388	4,479	4,467	4,463	4,462	4,452	4,466	4,440	4,425	4,408	4,396	4,380	( 0.2%)
				-0.3%	-0.1%	-0.0%	-0.2%	0.3%	-0.6%	-0.3%	-0.4%	-0.3%	-0.4%	
DLCO	1,940	1,940	1,996	1,995	1,989	1,986	1,986	1,990	1,980	1,972	1,970	1,969	1,962	( 0.2%)
				-0.1%	-0.3%	-0.2%	0.0%	0.2%	-0.5%	-0.4%	-0.1%	-0.1%	-0.4%	
EKPC	2,574	2,574	2,658	2,660	2,662	2,667	2,671	2,689	2,684	2,687	2,689	2,698	2,694	0.1%
				0.1%	0.1%	0.2%	0.1%	0.7%	-0.2%	0.1%	0.1%	0.3%	-0.1%	
OVEC	106	106	110	110	110	110	110	110	110	110	110	110	110	0.0%
				0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	64,470	64,470	1,797 65,855	1,881 66,209	1,712 66,596	1,631 66,971	1,700 67,213	1,898 67,508	1,766 67,527	1,738 67,479	1,722 67,439	1,799 67,366	1,741 67,217	0.2%
				0.5%	0.6%	0.6%	0.4%	0.4%	0.0%	-0.1%	-0.1%	-0.1%	-0.2%	
DOM	20,229	20,229	21,625	22,480	23,234	24,678	26,122	27,689	28,960	30,362	31,735	33,170	34,488	4.8%
				4.0%	3.4%	6.2%	5.9%	6.0%	4.6%	4.8%	4.5%	4.5%	4.0%	
DIVERSITY - TOTAL(-) PJM RTO	128,882	128,882	4,809 130,811	4,366 132,667	4,765 133,274	4,782 135,094	4,898 136,812	4,742 139,262	5,010 139,907	4,916 141,280	4,960 142,553	4,715 144,378	5,074 144,992	1.0%
				1.4%	0.5%	1.4%	1.3%	1.8%	0.5%	1.0%	0.9%	1.3%	0.4%	

Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2022/23).

Winter season indicates peak from December, January, February.

Table B-2 (Continued)

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2033/34 - 2037/38

	33/34	34/35	35/36	36/37	37/38	Annual Growth Rate (15 yr)
AEP	22,695	22,716	22,778	22,761	22,771	0.1%
	0.1%	0.1%	0.3%	-0.1%	0.0%	
APS	10,069	10,081	10,126	10,106	10,131	0.8%
	-0.1%	0.1%	0.4%	-0.2%	0.2%	
ATSI	9,582	9,536	9,501	9,445	9,416	( 0.3%)
	-0.5%	-0.5%	-0.4%	-0.6%	-0.3%	
COMED	14,523	14,495	14,509	14,458	14,487	0.1%
	-0.3%	-0.2%	0.1%	-0.4%	0.2%	
DAYTON	2,856	2,849	2,850	2,838	2,839	( 0.2%)
	-0.5%	-0.2%	0.0%	-0.4%	0.0%	
DEOK	4,362	4,349	4,349	4,328	4,315	( 0.2%)
	-0.4%	-0.3%	0.0%	-0.5%	-0.3%	
DLCO	1,957	1,951	1,952	1,948	1,950	( 0.2%)
	-0.3%	-0.3%	0.1%	-0.2%	0.1%	
EKPC	2,697	2,705	2,720	2,717	2,726	0.2%
	0.1%	0.3%	0.6%	-0.1%	0.3%	
OVEC	110	110	110	110	110	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	1,754 67,097	1,738 67,054	1,828 67,067	1,608 67,103	1,635 67,110	0.1%
	-0.2%	-0.1%	0.0%	0.1%	0.0%	
DOM	35,702	36,800	37,938	38,983	40,145	4.2%
	3.5%	3.1%	3.1%	2.8%	3.0%	
DIVERSITY - TOTAL(-) PJM RTO	5,076 145,978	4,928 147,136	4,643 148,796	4,890 149,379	4,990 150,555	0.9%
	0.7%	0.8%	1.1%	0.4%	0.8%	

Notes:

All forecast values are non-coincident as estimated by PJM staff.

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

All average growth rates are calculated from the first year of the forecast (2022/23).

Winter season indicates peak from December, January, February.

**Table B-3**

**SPRING PEAK LOAD (MW) FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	1,670	1,658	1,649	1,636	1,628	1,632	1,635	1,628	1,614	1,601	1,598	1,594	1,595	1,590	1,587	1,593
BGE	5,154	5,113	5,095	5,087	5,071	5,051	5,039	5,007	4,964	4,943	4,942	4,923	4,927	4,912	4,917	4,911
DPL	3,059	3,047	3,042	3,042	3,045	3,037	3,035	3,034	3,023	3,027	3,033	3,029	3,031	3,002	3,034	3,055
JCPL	4,157	4,144	4,127	4,095	4,082	4,140	4,151	4,127	4,066	4,021	4,058	4,068	4,063	4,048	4,049	4,051
METED	2,464	2,467	2,469	2,479	2,484	2,495	2,504	2,505	2,501	2,508	2,520	2,520	2,527	2,522	2,534	2,543
PECO	6,326	6,344	6,322	6,293	6,281	6,351	6,361	6,369	6,342	6,253	6,340	6,358	6,368	6,362	6,329	6,314
PENLC	2,562	2,550	2,536	2,539	2,535	2,527	2,519	2,505	2,488	2,490	2,492	2,480	2,473	2,458	2,460	2,463
PEPCO	4,943	4,939	4,931	4,942	4,943	4,967	4,971	4,958	4,934	4,923	4,941	4,954	4,969	4,976	5,004	5,032
PL	6,379	6,373	6,350	6,382	6,417	6,408	6,411	6,400	6,359	6,409	6,409	6,402	6,384	6,352	6,385	6,427
PS	7,141	7,110	7,069	7,019	6,951	7,037	7,028	6,995	6,913	6,834	6,861	6,844	6,849	6,816	6,794	6,811
RECO	292	294	294	294	295	299	300	301	300	298	298	299	299	299	299	299
UGI	168	168	166	167	166	166	165	164	163	163	163	162	161	160	160	161
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	2,147 42,168	2,090 42,117	2,180 41,870	2,190 41,785	2,041 41,857	2,078 42,032	2,109 42,010	2,149 41,844	2,252 41,415	2,138 41,332	2,065 41,590	2,068 41,565	2,122 41,524	2,157 41,340	2,078 41,474	2,121 41,539
FE-EAST PLGRP	8,661 6,543	8,670 6,537	8,672 6,513	8,670 6,544	8,683 6,577	8,725 6,571	8,729 6,573	8,698 6,561	8,668 6,516	8,634 6,568	8,697 6,570	8,685 6,560	8,674 6,543	8,635 6,508	8,673 6,544	8,701 6,585

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

Spring season indicates peak from March, April, May.

**Table B-3**

**SPRING PEAK LOAD (MW) FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AEP	19,883	20,065	20,052	20,079	20,149	20,180	20,215	20,177	20,086	20,139	20,195	20,195	20,258	20,169	20,215	20,310
APS	7,854	7,859	8,212	8,455	8,696	8,810	8,818	8,820	8,792	8,840	8,839	8,835	8,844	8,793	8,836	8,885
ATSI	9,450	9,414	9,342	9,289	9,281	9,334	9,339	9,291	9,201	9,118	9,127	9,109	9,069	8,989	8,950	8,917
COMED	14,499	14,448	14,252	14,160	14,156	14,405	14,493	14,456	14,215	14,099	14,193	14,181	14,185	14,077	14,014	14,004
DAYTON	2,662	2,655	2,632	2,625	2,621	2,652	2,647	2,634	2,608	2,593	2,621	2,622	2,619	2,594	2,591	2,592
DEOK	4,255	4,239	4,201	4,184	4,164	4,217	4,202	4,180	4,133	4,092	4,125	4,123	4,113	4,081	4,072	4,043
DLCO	2,152	2,151	2,128	2,119	2,108	2,137	2,141	2,136	2,109	2,091	2,107	2,107	2,117	2,095	2,088	2,088
EKPC	2,098	2,105	2,116	2,122	2,129	2,152	2,138	2,148	2,151	2,155	2,159	2,165	2,164	2,176	2,183	2,195
OVEC	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
DIVERSITY - WESTERN(-)	2,395	2,544	2,443	2,346	2,369	2,421	2,497	2,663	2,550	2,548	2,431	2,402	2,424	2,472	2,381	2,501
PJM WESTERN	60,548	60,482	60,582	60,777	61,025	61,556	61,586	61,269	60,835	60,669	61,025	61,025	61,035	60,592	60,658	60,623
DOM	18,943	19,761	20,568	22,104	23,551	25,122	26,499	27,847	29,146	30,447	31,753	32,951	34,091	35,085	36,114	37,202
DIVERSITY - TOTAL(-)	6,817	6,820	6,673	6,521	6,508	7,028	7,046	7,031	6,751	6,794	6,771	6,925	7,026	6,880	6,845	6,752
PJM RTO	119,384	120,174	120,970	122,681	124,335	126,181	127,655	128,741	129,447	130,340	132,093	133,086	134,170	134,766	135,860	137,234

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

Spring season indicates peak from March, April, May.

**Table B-4**  
**FALL PEAK LOAD (MW) FOR**  
**EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION**  
**2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	1,971	1,975	1,977	1,967	1,957	1,935	1,928	1,926	1,929	1,916	1,908	1,895	1,884	1,898	1,894	1,897
BGE	5,344	5,332	5,336	5,327	5,298	5,265	5,242	5,216	5,190	5,160	5,133	5,112	5,099	5,108	5,112	5,108
DPL	3,132	3,109	3,118	3,104	3,096	3,085	3,065	3,055	3,041	3,031	3,017	2,988	2,995	3,019	3,027	3,026
JCPL	4,684	4,698	4,724	4,720	4,703	4,667	4,659	4,665	4,664	4,653	4,617	4,599	4,596	4,649	4,663	4,675
METED	2,543	2,564	2,577	2,587	2,589	2,585	2,594	2,606	2,616	2,621	2,619	2,619	2,625	2,654	2,667	2,677
PECO	6,932	6,978	7,005	7,016	7,006	6,976	6,981	7,026	7,043	7,038	7,021	7,010	7,012	7,090	7,112	7,109
PENLC	2,522	2,510	2,513	2,517	2,511	2,496	2,481	2,481	2,480	2,480	2,472	2,458	2,443	2,459	2,460	2,459
PEPCO	5,198	5,222	5,262	5,282	5,289	5,285	5,276	5,293	5,292	5,266	5,261	5,264	5,280	5,316	5,348	5,377
PL	6,205	6,207	6,240	6,268	6,266	6,251	6,247	6,253	6,267	6,284	6,275	6,266	6,253	6,294	6,342	6,363
PS	8,000	8,009	8,029	8,013	7,959	7,897	7,844	7,871	7,884	7,862	7,799	7,745	7,722	7,797	7,820	7,829
RECO	319	324	329	331	331	329	329	333	334	332	330	327	326	333	335	337
UGI	165	164	164	165	164	163	162	161	161	161	160	159	159	158	159	158
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	1,247 45,768	1,046 46,046	1,044 46,230	1,035 46,262	1,069 46,100	1,227 45,707	1,138 45,670	1,178 45,708	1,236 45,665	1,327 45,477	1,301 45,311	1,373 45,069	1,370 45,024	1,252 45,523	1,295 45,644	1,309 45,706
FE-EAST	9,482	9,580	9,649	9,663	9,604	9,485	9,490	9,549	9,568	9,525	9,469	9,426	9,423	9,535	9,567	9,578
PLGRP	6,365	6,369	6,401	6,428	6,423	6,409	6,407	6,411	6,423	6,438	6,432	6,419	6,410	6,448	6,496	6,515

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.  
 Fall season indicates peak from September, October, November.

**Table B-4**

**FALL PEAK LOAD (MW) FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AEP	20,233	20,405	20,567	20,610	20,595	20,551	20,446	20,493	20,627	20,558	20,584	20,580	20,491	20,743	20,805	20,783
APS	7,676	7,839	8,171	8,388	8,589	8,607	8,592	8,592	8,606	8,609	8,604	8,598	8,575	8,609	8,641	8,653
ATSI	10,270	10,233	10,361	10,331	10,325	10,168	10,142	10,107	10,209	10,163	10,050	9,929	9,891	10,028	10,010	9,986
COMED	17,269	17,139	17,158	17,257	17,178	17,034	16,931	16,906	16,907	16,865	16,751	16,695	16,503	16,724	16,790	16,812
DAYTON	2,885	2,883	2,908	2,915	2,912	2,880	2,849	2,871	2,888	2,888	2,879	2,861	2,830	2,891	2,903	2,901
DEOK	4,689	4,677	4,704	4,697	4,682	4,656	4,617	4,620	4,629	4,601	4,588	4,565	4,541	4,585	4,577	4,567
DLCO	2,347	2,348	2,357	2,360	2,355	2,341	2,334	2,335	2,342	2,342	2,332	2,320	2,316	2,335	2,339	2,343
EKPC	1,980	1,965	1,975	1,992	2,009	2,026	2,031	2,007	2,012	2,032	2,047	2,057	2,064	2,047	2,059	2,074
OVEC	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
DIVERSITY - WESTERN(-)	1,870	2,073	2,076	1,923	2,097	1,864	2,020	2,003	2,149	2,036	2,065	2,077	2,122	2,266	2,232	2,221
PJM WESTERN	65,559	65,496	66,205	66,707	66,628	66,479	66,002	66,008	66,151	66,102	65,850	65,608	65,169	65,776	65,972	65,978
DOM	19,468	20,316	21,343	23,177	24,794	26,321	27,795	29,213	30,775	32,146	33,481	34,689	35,823	37,018	38,240	39,575
DIVERSITY - TOTAL(-)	6,155	6,193	5,992	5,945	5,758	6,089	6,397	6,364	6,262	6,073	6,401	6,680	6,758	6,674	6,612	6,561
PJM RTO	127,757	128,784	130,906	133,159	134,930	135,509	136,228	137,746	139,714	141,015	141,607	142,136	142,750	145,161	146,771	148,228

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

Fall season indicates peak from September, October, November.

Table B-5

MONTHLY PEAK FORECAST SCALED to SEASONAL PEAK (MW) FOR EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC DIVERSITY	PJM MID-ATLANTIC
Jan 2023	1,590	5,755	3,623	3,740	2,696	6,459	2,823	5,381	7,334	6,530	214	198	868	45,475
Feb 2023	1,494	5,415	3,413	3,494	2,560	6,052	2,691	4,985	7,008	6,164	201	186	552	43,111
Mar 2023	1,354	4,970	3,059	3,167	2,439	5,501	2,562	4,594	6,379	5,707	186	168	610	39,476
Apr 2023	1,246	4,151	2,426	2,883	2,152	4,946	2,309	3,909	5,414	5,234	186	142	1,011	33,987
May 2023	1,670	5,154	2,953	4,157	2,464	6,326	2,345	4,943	5,708	7,141	292	146	1,131	42,168
Jun 2023	2,283	6,088	3,581	5,724	2,901	8,171	2,743	5,717	6,771	9,391	403	181	1,691	52,263
Jul 2023	2,549	6,474	3,861	6,072	3,040	8,527	2,871	6,166	7,175	9,904	414	195	1,512	55,736
Aug 2023	2,414	6,324	3,738	5,797	2,960	8,110	2,730	6,005	6,866	9,481	395	181	1,550	53,451
Sep 2023	1,971	5,344	3,132	4,684	2,543	6,932	2,522	5,198	6,205	8,000	319	165	1,247	45,768
Oct 2023	1,419	4,068	2,385	3,216	2,084	5,131	2,285	3,981	5,298	5,891	209	143	1,194	34,916
Nov 2023	1,340	4,351	2,659	3,187	2,254	5,298	2,459	4,111	5,951	5,680	196	165	619	37,032
Dec 2023	1,532	5,177	3,240	3,654	2,567	6,105	2,675	4,856	6,767	6,324	216	188	196	43,105
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2024	1,585	5,747	3,632	3,752	2,718	6,512	2,824	5,408	7,334	6,533	220	198	754	45,709
Feb 2024	1,509	5,458	3,460	3,548	2,632	6,227	2,745	5,057	7,080	6,219	208	188	400	43,931
Mar 2024	1,347	4,948	3,047	3,178	2,434	5,473	2,550	4,556	6,373	5,701	191	168	529	39,437
Apr 2024	1,250	4,188	2,493	2,932	2,201	4,972	2,336	3,975	5,533	5,269	191	144	747	34,737
May 2024	1,658	5,113	2,934	4,144	2,467	6,344	2,337	4,939	5,750	7,110	294	146	1,119	42,117
Jun 2024	2,251	6,005	3,534	5,624	2,879	8,076	2,705	5,663	6,716	9,198	401	179	1,890	51,341
Jul 2024	2,526	6,428	3,841	6,032	3,041	8,522	2,858	6,164	7,181	9,824	415	194	1,576	55,450
Aug 2024	2,398	6,277	3,711	5,749	2,957	8,085	2,706	5,970	6,848	9,413	395	180	1,630	53,059
Sep 2024	1,975	5,332	3,109	4,698	2,564	6,978	2,510	5,222	6,207	8,009	324	164	1,046	46,046
Oct 2024	1,422	4,107	2,391	3,264	2,101	5,215	2,275	4,084	5,308	5,931	217	142	1,265	35,192
Nov 2024	1,326	4,314	2,620	3,164	2,225	5,223	2,424	4,082	5,892	5,633	199	161	607	36,656
Dec 2024	1,533	5,190	3,242	3,688	2,554	6,095	2,664	4,884	6,821	6,341	222	189	405	43,018
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2025	1,582	5,753	3,636	3,776	2,712	6,484	2,809	5,422	7,377	6,524	225	197	981	45,516
Feb 2025	1,488	5,411	3,407	3,520	2,566	6,050	2,671	5,040	6,994	6,150	211	185	693	43,000
Mar 2025	1,349	4,968	3,042	3,228	2,457	5,477	2,536	4,547	6,350	5,683	198	166	476	39,525
Apr 2025	1,250	4,208	2,482	2,984	2,230	4,987	2,325	4,003	5,535	5,264	196	143	659	34,948
May 2025	1,649	5,095	2,885	4,127	2,469	6,322	2,304	4,931	5,653	7,069	294	144	1,072	41,870
Jun 2025	2,250	5,992	3,530	5,622	2,905	8,119	2,716	5,713	6,747	9,215	404	180	1,626	51,767
Jul 2025	2,516	6,406	3,823	6,025	3,058	8,533	2,863	6,194	7,212	9,795	417	194	1,617	55,419
Aug 2025	2,395	6,244	3,682	5,725	2,967	8,085	2,705	5,998	6,845	9,396	397	180	1,643	52,976
Sep 2025	1,977	5,336	3,118	4,724	2,577	7,005	2,513	5,262	6,240	8,029	329	164	1,044	46,230
Oct 2025	1,424	4,104	2,379	3,295	2,105	5,223	2,261	4,106	5,314	5,925	219	141	1,198	35,298
Nov 2025	1,325	4,331	2,620	3,192	2,220	5,233	2,404	4,101	5,880	5,627	204	160	720	36,577
Dec 2025	1,537	5,215	3,262	3,747	2,574	6,117	2,662	4,945	6,855	6,352	229	189	435	43,249

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.

Table B-5

MONTHLY PEAK FORECAST SCALED to SEASONAL PEAK (MW) FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	OVEC	WESTERN DIVERSITY	PJM WESTERN	DOM	TOTAL DIVERSITY	PJM RTO
Jan 2023	22,308	8,993	9,883	14,305	2,920	4,479	1,996	2,658	100	1,787	65,855	21,625	4,799	130,811
Feb 2023	21,218	8,541	9,446	13,582	2,753	4,190	1,895	2,424	110	1,699	62,460	20,035	4,781	123,076
Mar 2023	19,883	7,854	8,910	12,206	2,554	3,798	1,764	2,098	90	-521	59,678	18,909	968	117,184
Apr 2023	17,242	6,671	8,061	11,192	2,250	3,372	1,641	1,655	80	-176	52,340	16,189	2,224	101,127
May 2023	18,900	7,160	9,450	14,499	2,662	4,255	2,152	1,621	70	221	60,548	18,943	3,627	119,384
Jun 2023	21,421	8,360	11,577	19,756	3,152	5,016	2,611	1,916	75	2,071	71,813	20,839	8,212	140,465
Jul 2023	22,453	8,724	11,962	20,417	3,295	5,249	2,712	2,027	95	1,581	75,353	21,920	7,043	149,059
Aug 2023	22,057	8,640	11,764	20,384	3,266	5,216	2,684	2,004	75	1,984	74,106	21,365	6,227	146,229
Sep 2023	20,233	7,676	10,270	17,269	2,885	4,689	2,347	1,792	70	1,672	65,559	19,468	5,957	127,757
Oct 2023	16,839	6,545	7,990	12,344	2,268	3,611	1,737	1,595	70	2,023	50,976	16,285	5,213	100,181
Nov 2023	18,422	7,360	8,543	12,162	2,405	3,585	1,735	1,980	80	1,379	54,893	17,746	3,902	107,767
Dec 2023	20,589	8,256	9,485	13,849	2,677	4,104	1,919	2,353	90	1,870	61,452	20,154	4,459	122,318
Jan 2024	22,615	9,066	9,901	14,360	2,916	4,467	1,995	2,660	100	1,871	66,209	22,480	4,356	132,667
Feb 2024	21,851	8,755	9,625	13,842	2,794	4,244	1,921	2,463	110	1,838	63,767	21,081	4,380	126,637
Mar 2024	20,065	7,859	8,858	12,202	2,547	3,794	1,758	2,105	90	-252	59,530	19,582	1,171	117,655
Apr 2024	17,760	6,781	8,110	11,255	2,280	3,416	1,650	1,697	80	152	52,877	17,107	2,412	103,208
May 2024	19,085	7,156	9,414	14,448	2,655	4,239	2,151	1,612	70	348	60,482	19,761	3,653	120,174
Jun 2024	21,393	8,305	11,359	19,329	3,083	4,951	2,587	1,913	75	1,938	71,057	21,705	7,598	140,333
Jul 2024	22,637	8,783	11,929	20,246	3,281	5,238	2,710	2,036	95	1,555	75,400	22,828	7,072	149,737
Aug 2024	22,137	8,665	11,684	20,179	3,217	5,183	2,670	2,006	75	1,835	73,981	22,266	7,324	145,447
Sep 2024	20,405	7,839	10,233	17,139	2,883	4,677	2,348	1,807	70	1,905	65,496	20,316	6,025	128,784
Oct 2024	17,065	6,751	8,033	12,441	2,278	3,632	1,741	1,620	70	2,113	51,518	17,195	5,222	102,061
Nov 2024	18,508	7,500	8,463	12,183	2,379	3,534	1,707	1,965	80	1,383	54,936	18,466	4,058	107,990
Dec 2024	20,749	8,491	9,509	13,918	2,668	4,108	1,921	2,361	90	1,459	62,356	21,068	4,460	123,846
Jan 2025	22,623	9,320	9,867	14,372	2,902	4,463	1,989	2,662	100	1,702	66,596	23,234	4,755	133,274
Feb 2025	21,452	8,899	9,401	13,634	2,737	4,175	1,882	2,431	110	1,834	62,887	21,518	4,669	125,263
Mar 2025	20,052	8,212	8,852	12,249	2,536	3,777	1,755	2,116	90	-433	60,072	20,452	461	119,631
Apr 2025	17,776	7,155	8,085	11,282	2,277	3,412	1,648	1,710	80	-143	53,568	18,013	1,491	105,554
May 2025	19,014	7,475	9,342	14,252	2,632	4,201	2,128	1,617	70	149	60,582	20,568	3,271	120,970
Jun 2025	21,531	8,654	11,391	19,303	3,090	4,949	2,598	1,931	75	1,877	71,645	22,623	7,381	142,157
Jul 2025	22,686	9,112	11,892	20,206	3,284	5,239	2,712	2,049	95	1,598	75,677	23,758	7,145	150,924
Aug 2025	22,155	8,974	11,574	19,944	3,202	5,159	2,668	2,018	75	1,596	74,173	23,198	6,890	146,696
Sep 2025	20,567	8,171	10,361	17,158	2,908	4,704	2,357	1,827	70	1,918	66,205	21,343	5,834	130,906
Oct 2025	17,109	7,045	7,951	12,437	2,279	3,620	1,741	1,633	70	2,040	51,845	18,207	5,086	103,502
Nov 2025	18,555	7,769	8,371	12,147	2,376	3,522	1,705	1,975	80	1,323	55,177	19,384	4,037	109,144
Dec 2025	20,847	8,818	9,481	13,965	2,674	4,112	1,923	2,374	90	1,411	62,873	22,248	4,510	125,706

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.



**Table B-6**

**MONTHLY PEAK FORECAST SCALED to SEASONAL PEAK (MW) FOR  
FE-EAST AND PLGRP**

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2023	9,180	7,525
Feb 2023	8,645	7,188
Mar 2023	8,006	6,543
Apr 2023	7,153	5,553
May 2023	8,661	5,854
Jun 2023	11,079	6,951
Jul 2023	11,696	7,370
Aug 2023	11,243	7,047
Sep 2023	9,482	6,365
Oct 2023	7,336	5,436
Nov 2023	7,806	6,114
Dec 2023	8,822	6,946

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2024	9,202	7,524
Feb 2024	8,823	7,275
Mar 2024	7,986	6,537
Apr 2024	7,242	5,672
May 2024	8,670	5,889
Jun 2024	10,925	6,894
Jul 2024	11,673	7,379
Aug 2024	11,202	7,030
Sep 2024	9,580	6,369
Oct 2024	7,399	5,445
Nov 2024	7,721	6,041
Dec 2024	8,859	7,007

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2025	9,209	7,570
Feb 2025	8,685	7,174
Mar 2025	8,097	6,513
Apr 2025	7,346	5,674
May 2025	8,672	5,795
Jun 2025	10,989	6,926
Jul 2025	11,686	7,407
Aug 2025	11,198	7,024
Sep 2025	9,649	6,401
Oct 2025	7,445	5,449
Nov 2025	7,750	6,033
Dec 2025	8,917	7,044

**Notes:**

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.

FE\_EAST contains JCPL, METED and PENLC zones. PLGRP contains PL and UGI zones.

Table B-7

PJM MID-ATLANTIC REGION LOAD MANAGEMENT  
PLACED UNDER PJM COORDINATION - SUMMER (MW)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE																
CAPACITY PERFORMANCE	39	38	38	38	38	38	37	37	37	37	37	36	36	36	36	36
SUMMER PERIOD	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	47	46	46	46	46	46	45	45	45	45	45	44	44	44	44	44
BGE																
CAPACITY PERFORMANCE	83	82	82	81	81	80	80	79	79	78	77	77	76	76	76	76
SUMMER PERIOD	77	77	77	76	76	75	75	74	74	73	72	72	71	71	71	71
PRD	87	132	132	131	130	130	128	127	127	125	124	123	123	123	123	123
TOTAL LOAD MANAGEMENT	247	291	291	288	287	285	283	280	280	276	273	272	270	270	270	270
DPL																
CAPACITY PERFORMANCE	82	82	81	81	81	80	80	79	79	78	78	78	78	78	78	78
SUMMER PERIOD	100	99	99	98	98	97	97	96	96	95	95	94	94	94	94	94
PRD	38	50	50	50	50	49	49	49	48	48	48	48	48	48	48	48
TOTAL LOAD MANAGEMENT	220	231	230	229	229	226	226	224	223	221	221	220	220	220	220	220
JCPL																
CAPACITY PERFORMANCE	93	92	92	92	91	91	90	90	89	89	89	89	88	89	89	89
SUMMER PERIOD	8	8	8	8	8	8	8	8	8	8	8	7	7	8	8	8
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	101	100	100	100	99	99	98	98	97	97	97	96	95	97	97	97
METED																
CAPACITY PERFORMANCE	140	140	141	141	142	142	142	142	143	143	143	143	144	144	145	146
SUMMER PERIOD	26	26	26	26	26	26	26	26	26	26	26	26	26	26	27	28
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	166	166	167	167	168	168	168	168	169	169	169	169	170	170	172	174

Notes:

Summer-Period DR refers to DR resources that aggregate with Winter-Period resources to form a year-round commitment.

Forecast values for Capacity Performance and Summer-Period DR are based on actual committed quantities for Delivery Years 2020/21, 2021/22, 2022/23; forecast values for PRD are based on actual cleared quantities in the 2021/22, 2022/23 and 2023/24 RPM Base Residual Auctions

Table B-7 (Continued)

PJM MID-ATLANTIC REGION LOAD MANAGEMENT  
PLACED UNDER PJM COORDINATION - SUMMER (MW)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
PECO																
CAPACITY PERFORMANCE	247	246	247	247	247	248	248	248	248	248	248	248	248	249	250	251
SUMMER PERIOD	27	27	27	27	27	28	27	27	28	28	28	28	28	28	28	28
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	274	273	274	274	274	276	275	275	276	276	276	276	276	277	278	279
PENLC																
CAPACITY PERFORMANCE	149	148	149	148	148	147	146	146	146	145	145	144	144	144	144	144
SUMMER PERIOD	81	81	81	81	80	80	80	80	79	79	79	78	78	78	78	78
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	230	229	230	229	228	227	226	226	225	224	224	222	222	222	222	222
PEPCO																
CAPACITY PERFORMANCE	91	91	92	92	92	92	92	92	92	92	92	92	92	93	93	93
SUMMER PERIOD	139	139	139	140	140	140	140	140	140	139	139	139	139	140	141	142
PRD	110	140	141	141	141	141	141	141	141	141	141	141	141	142	142	142
TOTAL LOAD MANAGEMENT	340	370	372	373	373	373	373	373	373	372	372	372	372	375	376	377
PL																
CAPACITY PERFORMANCE	320	321	322	323	322	322	322	322	323	323	323	323	323	325	326	327
SUMMER PERIOD	115	115	115	116	116	116	115	115	116	116	116	116	116	116	117	118
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	435	436	437	439	438	438	437	437	439	439	439	439	439	441	443	445
PS																
CAPACITY PERFORMANCE	134	133	133	133	132	131	131	130	130	129	129	129	127	128	129	130
SUMMER PERIOD	72	72	71	71	71	71	70	70	70	69	69	69	68	69	69	69
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	206	205	204	204	203	202	201	200	200	198	198	198	195	197	198	199

Notes:

Summer-Period DR refers to DR resources that aggregate with Winter-Period resources to form a year-round commitment.

Forecast values for Capacity Performance and Summer-Period DR are based on actual committed quantities for Delivery Years 2020/21, 2021/22, 2022/23; forecast values for PRD are based on actual cleared quantities in the 2021/22, 2022/23 and 2023/24 RPM Base Residual Auctions

Table B-7 (Continued)

PJM MID-ATLANTIC REGION LOAD MANAGEMENT  
PLACED UNDER PJM COORDINATION - SUMMER (MW)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
RECO																
CAPACITY PERFORMANCE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SUMMER PERIOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
UGI																
CAPACITY PERFORMANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUMMER PERIOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PJM MID-ATLANTIC																
CAPACITY PERFORMANCE	1,380	1,375	1,379	1,378	1,376	1,373	1,370	1,367	1,368	1,364	1,363	1,361	1,358	1,364	1,368	1,372
SUMMER PERIOD	653	652	651	651	650	649	646	644	645	641	640	637	635	638	641	644
PRD	235	322	323	322	321	320	318	317	316	314	313	312	312	313	313	313
TOTAL LOAD MANAGEMENT	2,268	2,349	2,353	2,351	2,347	2,342	2,334	2,328	2,329	2,319	2,316	2,310	2,305	2,315	2,322	2,329

Notes:

Summer-Period DR refers to DR resources that aggregate with Winter-Period resources to form a year-round commitment.

Forecast values for Capacity Performance and Summer-Period DR are based on actual committed quantities for Delivery Years 2020/21, 2021/22, 2022/23; forecast values for PRD are based on actual cleared quantities in the 2021/22, 2022/23 and 2023/24 RPM Base Residual Auctions

Table B-7 (Continued)

PJM WESTERN REGION AND PJM SOUTHERN REGION LOAD MANAGEMENT  
PLACED UNDER PJM COORDINATION - SUMMER (MW)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AEP																
CAPACITY PERFORMANCE	854	861	863	864	864	864	863	863	862	861	861	862	864	866	868	870
SUMMER PERIOD	288	290	291	291	291	291	291	291	291	290	290	291	291	292	293	294
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	1,142	1,151	1,154	1,155	1,155	1,155	1,154	1,154	1,153	1,151	1,151	1,153	1,155	1,158	1,161	1,164
APS																
CAPACITY PERFORMANCE	418	421	436	445	454	458	457	457	456	455	454	454	454	455	455	455
SUMMER PERIOD	125	126	131	134	136	137	137	137	137	136	136	136	136	137	137	137
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	543	547	567	579	590	595	594	594	593	591	590	590	590	592	592	592
ATSI																
CAPACITY PERFORMANCE	540	538	537	535	534	534	533	531	528	525	523	521	520	519	518	517
SUMMER PERIOD	161	160	160	159	159	159	158	158	157	156	156	155	154	154	154	154
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	701	698	697	694	693	693	691	689	685	681	679	676	674	673	672	671
COMED																
CAPACITY PERFORMANCE	1,023	1,014	1,012	1,010	1,010	1,007	1,001	996	991	987	981	978	974	975	976	977
SUMMER PERIOD	328	326	325	324	324	323	321	320	318	317	315	314	313	313	313	313
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	1,351	1,340	1,337	1,334	1,334	1,330	1,322	1,316	1,309	1,304	1,296	1,292	1,287	1,288	1,289	1,290
DAYTON																
CAPACITY PERFORMANCE	106	106	106	106	106	106	106	106	105	105	105	105	105	105	106	107
SUMMER PERIOD	58	58	58	58	58	58	58	58	57	57	57	57	57	57	58	59
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	164	164	164	164	164	164	164	164	162	162	162	162	162	162	164	166

Notes:

Summer-Period DR refers to DR resources that aggregate with Winter-Period resources to form a year-round commitment.

Forecast values for Capacity Performance and Summer-Period DR are based on actual committed quantities for Delivery Years 2020/21, 2021/22, 2022/23; forecast values for PRD are based on actual cleared quantities in the 2021/22, 2022/23 and 2023/24 RPM Base Residual Auctions

Table B-7 (Continued)

PJM WESTERN REGION AND PJM SOUTHERN REGION LOAD MANAGEMENT  
PLACED UNDER PJM COORDINATION - SUMMER (MW)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
DEOK																
CAPACITY PERFORMANCE	113	113	113	113	113	112	112	112	111	111	110	110	110	110	110	110
SUMMER PERIOD	40	40	40	40	40	40	40	40	40	39	39	39	39	39	39	39
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	153	153	153	153	153	152	152	152	151	150	149	149	149	149	149	149
DLCO																
CAPACITY PERFORMANCE	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
SUMMER PERIOD	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
EKPC																
CAPACITY PERFORMANCE	94	95	96	96	96	96	96	97	97	97	97	97	98	98	99	100
SUMMER PERIOD	80	80	81	81	81	81	81	81	82	82	82	82	82	83	83	83
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	174	175	177	177	177	177	177	178	179	179	179	179	180	181	182	183
PJM WESTERN																
CAPACITY PERFORMANCE	3,208	3,208	3,223	3,229	3,237	3,237	3,228	3,222	3,210	3,201	3,191	3,187	3,185	3,188	3,192	3,196
SUMMER PERIOD	1,108	1,108	1,114	1,115	1,117	1,117	1,114	1,113	1,110	1,105	1,103	1,102	1,100	1,103	1,105	1,107
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	4,316	4,316	4,337	4,344	4,354	4,354	4,342	4,335	4,320	4,306	4,294	4,289	4,285	4,291	4,297	4,303

Notes:

Summer-Period DR refers to DR resources that aggregate with Winter-Period resources to form a year-round commitment.

Forecast values for Capacity Performance and Summer-Period DR are based on actual committed quantities for Delivery Years 2020/21, 2021/22, 2022/23; forecast values for PRD are based on actual cleared quantities in the 2021/22, 2022/23 and 2023/24 RPM Base Residual Auctions

Table B-7 (Continued)

PJM WESTERN REGION AND PJM SOUTHERN REGION LOAD MANAGEMENT  
PLACED UNDER PJM COORDINATION - SUMMER (MW)

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
<b>DOM</b>																
CAPACITY PERFORMANCE	601	625	651	700	744	786	828	867	906	944	980	1,013	1,044	1,075	1,108	1,142
SUMMER PERIOD	103	107	112	120	128	135	142	149	155	162	168	174	179	185	190	195
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	704	732	763	820	872	921	970	1,016	1,061	1,106	1,148	1,187	1,223	1,260	1,298	1,337
<b>PJM RTO</b>																
CAPACITY PERFORMANCE	5,189	5,208	5,253	5,307	5,357	5,396	5,426	5,456	5,484	5,509	5,534	5,561	5,587	5,627	5,668	5,709
SUMMER PERIOD	1,864	1,867	1,877	1,886	1,895	1,901	1,902	1,906	1,910	1,908	1,911	1,913	1,914	1,926	1,936	1,946
PRD	235	322	323	322	321	320	318	317	316	314	313	312	312	313	313	313
TOTAL LOAD MANAGEMENT	7,288	7,397	7,453	7,515	7,573	7,617	7,646	7,679	7,710	7,731	7,758	7,786	7,813	7,866	7,917	7,968

Notes:

Summer-Period DR refers to DR resources that aggregate with Winter-Period resources to form a year-round commitment.

Forecast values for Capacity Performance and Summer-Period DR are based on actual committed quantities for Delivery Years 2020/21, 2021/22, 2022/23; forecast values for PRD are based on actual cleared quantities in the 2021/22, 2022/23 and 2023/24 RPM Base Residual Auctions

Table B-8a

DISTRIBUTED SOLAR ADJUSTMENTS TO SUMMER PEAK LOAD (MW) FOR EACH PJM ZONE AND RTO  
2023 - 2038

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	136	125	117	109	109	113	111	111	106	100	97	95	96	89	86	85
BGE	194	211	223	242	250	267	286	290	273	256	249	243	239	233	223	220
DPL	103	112	121	125	129	126	125	133	136	130	124	123	116	110	107	102
JCPL	261	271	281	289	300	305	304	308	317	329	329	328	326	332	327	318
METED	46	51	53	55	58	61	64	66	69	72	74	76	79	78	79	80
PECO	68	84	92	99	109	121	133	144	157	169	177	185	196	203	210	216
PENLC	19	28	33	37	43	49	56	62	67	73	77	81	84	85	87	88
PEPCO	214	229	249	263	280	294	304	298	289	279	282	287	289	283	278	283
PL	114	128	133	138	147	153	161	171	178	186	193	198	206	211	218	220
PS	392	408	418	423	424	404	415	406	413	372	365	364	374	360	352	338
RECO	13	14	16	18	18	19	21	22	23	24	25	25	26	26	25	24
UGI	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3
AEP	134	180	198	214	233	253	277	297	311	332	343	355	369	370	381	390
APS	86	99	107	112	121	130	137	145	154	166	169	171	174	181	187	187
ATSI	102	133	143	151	160	171	178	185	190	197	205	212	215	217	222	229
COMED	323	412	476	531	557	603	656	701	767	813	836	869	887	899	902	917
DAYTON	26	36	38	39	42	44	47	50	52	53	55	57	59	61	62	64
DEOK	23	35	38	41	45	48	53	58	61	64	67	69	73	76	80	83
DLCO	20	25	27	29	32	36	40	44	48	51	54	56	58	59	61	63
EKPC	5	5	5	6	7	8	9	11	12	13	14	15	16	17	19	20
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	527	536	539	565	578	610	634	671	698	699	718	750	768	795	795	823
PJM RTO	2,888	3,269	3,566	3,841	4,035	4,185	4,362	4,467	4,626	4,613	4,610	4,600	4,685	4,611	4,547	4,614

Notes:  
Adjustment values presented here are average summer peak distribution forecast values.



**Table B-8b**

**PLUG IN ELECTRIC VEHICLE ADJUSTMENT TO SUMMER PEAK LOAD (MW) FOR  
EACH PJM ZONE AND RTO  
2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	5	10	17	24	29	32	35	37	38	39	38	37	36	38	40	42
BGE	9	21	35	49	61	72	79	85	91	94	95	93	91	97	102	108
DPL	2	4	7	9	11	13	15	16	17	17	18	18	18	19	21	22
JCPL	17	37	61	84	104	120	134	142	149	151	151	149	144	153	162	170
METED	1	2	2	3	4	4	5	5	5	6	6	6	6	7	7	8
PECO	3	6	9	11	13	15	17	19	20	21	22	22	23	25	27	29
PENLC	1	1	2	3	3	4	4	5	5	6	6	6	7	7	8	8
PEPCO	13	29	49	68	85	102	117	131	144	155	162	166	169	182	191	200
PL	1	2	3	4	5	5	6	6	7	7	8	8	8	8	9	10
PS	14	31	51	70	87	102	113	120	125	128	129	127	123	131	139	146
RECO	3	6	11	15	19	22	24	26	27	28	28	27	27	29	30	32
UGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AEP	5	10	16	22	27	31	34	38	40	42	43	43	43	47	51	55
APS	3	7	12	16	20	23	26	28	29	30	30	30	29	32	34	36
ATSI	3	7	10	12	15	17	19	20	22	23	23	24	24	26	28	30
COMED	22	51	87	128	179	233	291	364	386	376	367	353	336	353	368	383
DAYTON	1	1	2	3	3	3	4	4	4	4	5	5	5	5	6	6
DEOK	1	2	3	4	5	6	6	7	7	7	7	7	7	8	9	10
DLCO	1	1	2	3	3	4	4	5	5	5	5	5	5	6	6	7
EKPC	0	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	26	62	107	151	191	223	252	276	291	301	304	301	295	314	333	348
PJM RTO	134	297	486	677	857	1,032	1,184	1,338	1,423	1,462	1,478	1,461	1,415	1,520	1,616	1,697

Notes:  
Adjustment values presented here are average summer peak distribution forecast values.

**Table B-9**  
**ADJUSTMENTS TO SUMMER PEAK LOAD (MW) FOR**  
**EACH PJM ZONE AND RTO**  
**2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JCPL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
METED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PECO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEPCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PL	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
PS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RECO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AEP	90	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248
APS	1	85	409	597	785	856	856	856	856	856	856	856	856	856	856	856
ATSI	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
COMED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAYTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEOK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EKPC	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	3,803	4,683	5,574	7,305	8,838	10,352	11,833	13,247	14,749	16,111	17,416	18,619	19,728	20,800	21,900	23,107
PJM RTO	3,957	5,080	6,296	8,210	9,931	11,505	12,977	14,386	15,874	17,239	18,524	19,712	20,795	21,862	22,959	24,148

Notes:  
Adjustment values presented here are reflected in summer peak forecasts.  
Adjustments due to NRBTMG (Non-Retail Behind the Meter Generation) transitioning to DR are in AEP, ATSI and PL.  
Adjustments due to data center load growth are in AEP, APS, and DOM.  
An adjustment due to peak shaving program is in EKPC.

**Table B-10**  
**SUMMER COINCIDENT PEAK LOAD (MW) FOR**  
**EACH PJM ZONE, LOCATIONAL DELIVERABILITY AREA AND RTO**  
**2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	2,296	2,268	2,262	2,253	2,241	2,231	2,221	2,210	2,201	2,198	2,194	2,191	2,186	2,186	2,193	2,191
BGE	6,232	6,191	6,179	6,149	6,111	6,065	6,026	5,973	5,930	5,878	5,846	5,818	5,800	5,787	5,778	5,766
DPL	3,637	3,601	3,578	3,559	3,532	3,514	3,497	3,468	3,442	3,418	3,400	3,390	3,394	3,402	3,412	3,410
JCPL	5,692	5,646	5,637	5,621	5,587	5,576	5,554	5,525	5,503	5,482	5,477	5,469	5,465	5,473	5,508	5,515
METED	2,918	2,923	2,932	2,941	2,944	2,948	2,955	2,959	2,963	2,965	2,971	2,979	2,993	3,002	3,017	3,031
PECO	8,037	8,034	8,047	8,047	8,035	8,023	8,015	7,995	7,974	7,945	7,938	7,941	7,969	7,968	7,988	8,009
PENLC	2,745	2,731	2,727	2,723	2,713	2,704	2,695	2,687	2,680	2,676	2,670	2,665	2,663	2,665	2,670	2,673
PEPCO	5,895	5,894	5,914	5,933	5,939	5,947	5,952	5,942	5,936	5,922	5,922	5,938	5,957	5,985	6,011	6,042
PL	6,881	6,878	6,899	6,914	6,909	6,905	6,906	6,907	6,907	6,908	6,916	6,918	6,939	6,956	6,987	7,014
PS	9,335	9,258	9,214	9,163	9,088	9,049	9,000	8,933	8,878	8,832	8,821	8,805	8,800	8,803	8,844	8,847
RECO	388	388	390	392	392	392	392	390	389	387	386	385	384	385	388	390
UGI	184	184	183	183	182	181	180	179	178	178	177	176	176	175	175	175
AEP	21,837	22,007	22,042	22,081	22,106	22,100	22,089	22,058	22,053	22,061	22,052	22,076	22,106	22,197	22,262	22,365
APS	8,531	8,602	8,927	9,124	9,305	9,382	9,374	9,355	9,338	9,332	9,326	9,325	9,324	9,324	9,335	9,360
ATSI	11,591	11,527	11,481	11,450	11,443	11,429	11,389	11,329	11,273	11,249	11,202	11,159	11,113	11,109	11,102	11,103
COMED	18,866	18,790	18,771	18,688	18,670	18,661	18,593	18,560	18,426	18,246	18,137	18,060	17,925	18,020	18,004	18,012
DAYTON	3,104	3,094	3,089	3,094	3,097	3,085	3,077	3,072	3,060	3,069	3,062	3,062	3,062	3,068	3,077	3,095
DEOK	5,001	4,982	4,973	4,968	4,971	4,960	4,946	4,919	4,893	4,886	4,869	4,864	4,859	4,854	4,857	4,871
DLCO	2,635	2,628	2,625	2,624	2,619	2,619	2,616	2,608	2,601	2,599	2,594	2,589	2,586	2,582	2,584	2,595
EKPC	1,919	1,927	1,936	1,944	1,956	1,966	1,972	1,976	1,980	1,988	1,994	2,004	2,012	2,024	2,033	2,047
OVEC	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
DOM	21,274	22,126	23,058	24,823	26,375	27,906	29,414	30,794	32,276	33,641	34,957	36,221	37,367	38,517	39,690	40,998
PJM RTO	149,058	149,739	150,924	152,734	154,275	155,703	156,923	157,899	158,941	159,920	160,971	162,095	163,140	164,542	165,975	167,569
PJM MID-ATLANTIC	54,240	53,996	53,962	53,878	53,673	53,535	53,393	53,168	52,981	52,789	52,718	52,675	52,726	52,787	52,971	53,063
EASTERN MID-ATLANTIC	29,385	29,195	29,128	29,035	28,875	28,785	28,679	28,521	28,387	28,262	28,216	28,181	28,198	28,217	28,333	28,362
SOUTHERN MID-ATLANTIC	12,127	12,085	12,093	12,082	12,050	12,012	11,978	11,915	11,866	11,800	11,768	11,756	11,757	11,772	11,789	11,808

Notes:  
All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.  
Load values for Zones and Locational Deliverability Areas are coincident with the PJM RTO peak.  
This table will be used for the Reliability Pricing Model.  
Summer season indicates peak from June, July, August.

Table B-11

**PJM CONTROL AREA - JANUARY 2023  
SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION  
2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Annual Growth Rate (10 yr)
<b>PJM - RELIABILITY FIRST</b>												
TOTAL INTERNAL DEMAND	125,866	125,684	125,930	125,969	125,944	125,831	125,537	125,129	124,686	124,288	124,020	( 0.1%)
% GROWTH TOTAL		-0.1%	0.2%	0.0%	-0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.3%	-0.2%	
CONTRACTUALLY INTERRUPTIBLE	6,410	6,490	6,513	6,518	6,524	6,519	6,499	6,485	6,470	6,446	6,431	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,410	6,490	6,513	6,518	6,524	6,519	6,499	6,485	6,470	6,446	6,431	
NET INTERNAL DEMAND	119,456	119,194	119,417	119,451	119,420	119,312	119,038	118,644	118,216	117,842	117,589	( 0.2%)
% GROWTH NET		-0.2%	0.2%	0.0%	-0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.3%	-0.2%	
<b>PJM - SERC</b>												
TOTAL INTERNAL DEMAND	23,193	24,053	24,994	26,767	28,331	29,872	31,386	32,770	34,256	35,629	36,951	4.8%
% GROWTH TOTAL		3.7%	3.9%	7.1%	5.8%	5.4%	5.1%	4.4%	4.5%	4.0%	3.7%	
CONTRACTUALLY INTERRUPTIBLE	878	907	940	997	1,049	1,098	1,147	1,194	1,240	1,285	1,327	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	878	907	940	997	1,049	1,098	1,147	1,194	1,240	1,285	1,327	
NET INTERNAL DEMAND	22,315	23,146	24,054	25,770	27,282	28,774	30,239	31,576	33,016	34,344	35,624	4.8%
% GROWTH NET		3.7%	3.9%	7.1%	5.9%	5.5%	5.1%	4.4%	4.6%	4.0%	3.7%	
<b>PJM RTO</b>												
TOTAL INTERNAL DEMAND	149,059	149,737	150,924	152,736	154,275	155,703	156,923	157,899	158,942	159,917	160,971	0.8%
% GROWTH TOTAL		0.5%	0.8%	1.2%	1.0%	0.9%	0.8%	0.6%	0.7%	0.6%	0.7%	
CONTRACTUALLY INTERRUPTIBLE	7,288	7,397	7,453	7,515	7,573	7,617	7,646	7,679	7,710	7,731	7,758	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	7,288	7,397	7,453	7,515	7,573	7,617	7,646	7,679	7,710	7,731	7,758	
NET INTERNAL DEMAND	141,771	142,340	143,471	145,221	146,702	148,086	149,277	150,220	151,232	152,186	153,213	0.8%
% GROWTH NET		0.4%	0.8%	1.2%	1.0%	0.9%	0.8%	0.6%	0.7%	0.6%	0.7%	

Notes:

SERC includes EKPC and DOM zones and Reliability First includes all other zones.

Total Internal Demand = projected PJM seasonal peak load at normal peak weather conditions in the absence of any load reductions due to load management, voltage reductions or voluntary curtailments.

Contractually Interruptible = Firm Service Level + Guaranteed Load Drop

The above forecasts incorporate all load in the PJM Control Area, including members and non-members

All average growth rates are calculated from the first year of the forecast (2023).

Table B-11 (Continued)

**PJM CONTROL AREA - JANUARY 2023  
SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION  
2023 - 2038**

	2034	2035	2036	2037	2038	Annual Growth Rate (15 yr)
<b>PJM - RELIABILITY FIRST</b>						
TOTAL INTERNAL DEMAND	123,870	123,760	124,000	124,253	124,522	( 0.1%)
% GROWTH TOTAL	-0.1%	-0.1%	0.2%	0.2%	0.2%	
CONTRACTUALLY INTERRUPTIBLE	6,420	6,410	6,425	6,437	6,449	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,420	6,410	6,425	6,437	6,449	
NET INTERNAL DEMAND	117,450	117,350	117,575	117,816	118,073	( 0.1%)
% GROWTH NET	-0.1%	-0.1%	0.2%	0.2%	0.2%	
<b>PJM - SERC</b>						
TOTAL INTERNAL DEMAND	38,225	39,379	40,541	41,723	43,045	4.2%
% GROWTH TOTAL	3.4%	3.0%	3.0%	2.9%	3.2%	
CONTRACTUALLY INTERRUPTIBLE	1,366	1,403	1,441	1,480	1,520	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	1,366	1,403	1,441	1,480	1,520	
NET INTERNAL DEMAND	36,859	37,976	39,100	40,243	41,525	4.2%
% GROWTH NET	3.5%	3.0%	3.0%	2.9%	3.2%	
<b>PJM RTO</b>						
TOTAL INTERNAL DEMAND	162,095	163,139	164,541	165,976	167,567	0.8%
% GROWTH TOTAL	0.7%	0.6%	0.9%	0.9%	1.0%	
CONTRACTUALLY INTERRUPTIBLE	7,786	7,813	7,866	7,917	7,969	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	7,786	7,813	7,866	7,917	7,969	
NET INTERNAL DEMAND	154,309	155,326	156,675	158,059	159,598	0.8%
% GROWTH NET	0.7%	0.7%	0.9%	0.9%	1.0%	

Notes:

SERC includes EKPC and DOM zones and Reliability First includes all other zones.

Total Internal Demand = projected PJM seasonal peak load at normal peak weather conditions in the absence of any load reductions due to load management, voltage reductions or voluntary curtailments.

Contractually Interruptible = Firm Service Level + Guaranteed Load Drop

The above forecasts incorporate all load in the PJM Control Area, including members and non-members

All average growth rates are calculated from the first year of the forecast (2023).

Table B-12

**PJM CONTROL AREA - JANUARY 2023  
WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION  
2022/23 - 2032/33**

	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	Annual Growth Rate (10 yr)
<b>PJM - RELIABILITY FIRST</b>												
TOTAL INTERNAL DEMAND	125,083	125,731	126,345	128,126	129,824	132,252	132,893	134,272	135,544	137,335	137,947	1.0%
% GROWTH TOTAL		0.5%	0.5%	1.4%	1.3%	1.9%	0.5%	1.0%	0.9%	1.3%	0.4%	
CONTRACTUALLY INTERRUPTIBLE	4,494	4,488	4,506	4,511	4,517	4,514	4,502	4,492	4,481	4,468	4,457	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	4,494	4,488	4,506	4,511	4,517	4,514	4,502	4,492	4,481	4,468	4,457	
NET INTERNAL DEMAND	120,589	121,243	121,839	123,615	125,307	127,738	128,391	129,780	131,063	132,867	133,490	1.0%
% GROWTH NET		0.5%	0.5%	1.5%	1.4%	1.9%	0.5%	1.1%	1.0%	1.4%	0.5%	
<b>PJM - SERC</b>												
TOTAL INTERNAL DEMAND	5,728	6,936	6,929	6,968	6,988	7,010	7,014	7,008	7,009	7,043	7,045	2.1%
% GROWTH TOTAL		21.1%	-0.1%	0.6%	0.3%	0.3%	0.1%	-0.1%	0.0%	0.5%	0.0%	
CONTRACTUALLY INTERRUPTIBLE	695	720	747	796	840	882	924	964	1,003	1,041	1,077	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	695	720	747	796	840	882	924	964	1,003	1,041	1,077	
NET INTERNAL DEMAND	5,033	6,216	6,182	6,172	6,148	6,128	6,090	6,044	6,006	6,002	5,968	1.7%
% GROWTH NET		23.5%	-0.5%	-0.2%	-0.4%	-0.3%	-0.6%	-0.8%	-0.6%	-0.1%	-0.6%	
<b>PJM RTO</b>												
TOTAL INTERNAL DEMAND	130,811	132,667	133,274	135,094	136,812	139,262	139,907	141,280	142,553	144,378	144,992	1.0%
% GROWTH TOTAL		1.4%	0.5%	1.4%	1.3%	1.8%	0.5%	1.0%	0.9%	1.3%	0.4%	
CONTRACTUALLY INTERRUPTIBLE	5,189	5,208	5,253	5,307	5,357	5,396	5,426	5,456	5,484	5,509	5,534	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	5,189	5,208	5,253	5,307	5,357	5,396	5,426	5,456	5,484	5,509	5,534	
NET INTERNAL DEMAND	125,622	127,459	128,021	129,787	131,455	133,866	134,481	135,824	137,069	138,869	139,458	1.1%
% GROWTH NET		1.5%	0.4%	1.4%	1.3%	1.8%	0.5%	1.0%	0.9%	1.3%	0.4%	

Notes:

SERC includes EKPC and DOM zones and Reliability First includes all other zones.

Total Internal Demand = projected PJM seasonal peak load at normal peak weather conditions in the absence of any load reductions due to load management, voltage reductions or voluntary curtailments.

Contractually Interruptible = Firm Service Level + Guaranteed Load Drop

The above forecasts incorporate all load in the PJM Control Area, including members and non-members

All average growth rates are calculated from the first year of the forecast (2023).

Table B-12 (Continued)

**PJM CONTROL AREA - JANUARY 2023**  
**WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION**  
**2022/23 - 2032/33**

	33/34	34/35	35/36	36/37	37/38	Annual Growth Rate (15 yr)
<b>PJM - RELIABILITY FIRST</b>						
TOTAL INTERNAL DEMAND	138,920	140,068	141,716	142,273	143,423	0.9%
% GROWTH TOTAL	0.7%	0.8%	1.2%	0.4%	0.8%	
CONTRACTUALLY INTERRUPTIBLE	4,451	4,445	4,454	4,461	4,468	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	4,451	4,445	4,454	4,461	4,468	
NET INTERNAL DEMAND	134,469	135,623	137,262	137,812	138,955	0.9%
% GROWTH NET	0.7%	0.9%	1.2%	0.4%	0.8%	
<b>PJM - SERC</b>						
TOTAL INTERNAL DEMAND	7,058	7,068	7,080	7,106	7,132	1.5%
% GROWTH TOTAL	0.2%	0.1%	0.2%	0.4%	0.4%	
CONTRACTUALLY INTERRUPTIBLE	1,110	1,142	1,173	1,207	1,242	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	1,110	1,142	1,173	1,207	1,242	
NET INTERNAL DEMAND	5,948	5,926	5,907	5,899	5,890	1.1%
% GROWTH NET	-0.3%	-0.4%	-0.3%	-0.1%	-0.2%	
<b>PJM RTO</b>						
TOTAL INTERNAL DEMAND	145,978	147,136	148,796	149,379	150,555	0.9%
% GROWTH TOTAL	0.7%	0.8%	1.1%	0.4%	0.8%	
CONTRACTUALLY INTERRUPTIBLE	5,561	5,587	5,627	5,668	5,710	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	5,561	5,587	5,627	5,668	5,710	
NET INTERNAL DEMAND	140,417	141,549	143,169	143,711	144,845	1.0%
% GROWTH NET	0.7%	0.8%	1.1%	0.4%	0.8%	

Notes:

SERC includes EKPC and DOM zones and Reliability First includes all other zones.

Total Internal Demand = projected PJM seasonal peak load at normal peak weather conditions in the absence of any load reductions due to load management, voltage reductions or voluntary curtailments.

Contractually Interruptible = Firm Service Level + Guaranteed Load Drop

The above forecasts incorporate all load in the PJM Control Area, including members and non-members

All average growth rates are calculated from the first year of the forecast (2023).

**Table C-1**

**PJM LOCATIONAL DELIVERABILITY AREAS  
CENTRAL MID-ATLANTIC: BGE, METED, PEPCO, PL and UGI  
SEASONAL PEAKS - MW**

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	18,699	22,824	19,096	21,205
2024	18,678	22,756	19,177	21,269
2025	18,704	22,793	19,277	21,252
2026	18,739	22,811	19,345	21,322
2027	18,755	22,795	19,301	21,406
2028	18,764	22,749	19,162	21,506
2029	18,779	22,682	19,135	21,441
2030	18,745	22,616	19,205	21,393
2031	18,689	22,557	19,232	21,390
2032	18,702	22,482	19,164	21,445
2033	18,753	22,484	19,096	21,391
2034	18,740	22,438	18,988	21,311
2035	18,752	22,392	19,039	21,304
2036	18,701	22,494	19,150	21,414
2037	18,767	22,544	19,213	21,376
2038	18,819	22,615	19,265	21,492

**EXTREME WEATHER (90/10) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	20,504	24,306	21,134	22,732
2024	20,375	24,268	21,067	22,830
2025	20,373	24,388	21,145	22,742
2026	20,471	24,387	21,192	22,819
2027	20,508	24,209	21,176	22,869
2028	20,467	24,128	21,173	23,014
2029	20,446	24,276	20,972	22,877
2030	20,317	24,073	21,043	22,875
2031	20,258	24,223	21,114	22,877
2032	20,368	23,978	21,067	23,010
2033	20,351	23,991	21,056	22,921
2034	20,320	23,991	20,987	22,910
2035	20,293	24,035	20,855	22,901
2036	20,235	24,177	21,061	23,018
2037	20,319	24,230	21,119	22,971
2038	20,364	24,183	21,164	23,008

**Notes:**

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.  
 Spring season indicates peak from March, April, May.  
 Summer season indicates peak from June, July, August.  
 Fall season indicates peak from September, October, November.  
 Winter season indicates peak from December, January, February.



**Table C-2**

**PJM LOCATIONAL DELIVERABILITY AREAS  
WESTERN MID-ATLANTIC: METED, PENLC, PL and UGI  
SEASONAL PEAKS - MW**

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	11,532	13,162	11,301	12,990
2024	11,499	13,159	11,326	12,995
2025	11,458	13,209	11,373	13,024
2026	11,516	13,259	11,433	13,037
2027	11,569	13,239	11,445	13,033
2028	11,566	13,214	11,373	13,097
2029	11,551	13,218	11,331	13,043
2030	11,521	13,175	11,362	13,032
2031	11,463	13,210	11,401	13,052
2032	11,540	13,235	11,449	13,086
2033	11,548	13,232	11,450	13,049
2034	11,533	13,187	11,393	13,014
2035	11,500	13,202	11,346	13,015
2036	11,440	13,249	11,414	13,026
2037	11,488	13,324	11,523	13,036
2038	11,551	13,323	11,558	13,044

**EXTREME WEATHER (90/10) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	12,526	13,796	12,436	13,727
2024	12,497	13,785	12,437	13,720
2025	12,517	13,813	12,485	13,712
2026	12,527	13,839	12,488	13,726
2027	12,545	13,826	12,494	13,737
2028	12,525	13,843	12,481	13,763
2029	12,522	13,850	12,479	13,772
2030	12,503	13,846	12,494	13,759
2031	12,487	13,890	12,508	13,737
2032	12,491	13,859	12,528	13,743
2033	12,499	13,879	12,540	13,744
2034	12,467	13,894	12,535	13,741
2035	12,454	13,881	12,531	13,746
2036	12,445	13,968	12,619	13,749
2037	12,466	14,020	12,650	13,728
2038	12,493	13,999	12,677	13,748

**Notes:**

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.  
 Spring season indicates peak from March, April, May.  
 Summer season indicates peak from June, July, August.  
 Fall season indicates peak from September, October, November.  
 Winter season indicates peak from December, January, February.

**Table C-3**

**PJM LOCATIONAL DELIVERABILITY AREAS  
EASTERN MID-ATLANTIC: AE, DPL, JCPL, PECO, PS and RECO  
SEASONAL PEAKS - MW**

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	22,004	30,783	24,735	21,821
2024	21,865	30,611	24,793	21,907
2025	21,694	30,563	24,844	21,890
2026	21,474	30,531	24,814	21,932
2027	21,340	30,398	24,697	21,965
2028	21,669	30,271	24,526	22,117
2029	21,599	30,160	24,422	22,000
2030	21,497	30,031	24,450	21,950
2031	21,194	29,970	24,421	21,931
2032	21,065	29,867	24,256	22,030
2033	21,225	29,749	24,132	21,937
2034	21,314	29,659	24,067	21,861
2035	21,291	29,646	24,046	21,804
2036	21,154	29,647	24,210	21,904
2037	21,141	29,809	24,248	21,849
2038	21,211	29,846	24,302	21,914

**EXTREME WEATHER (90/10) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	25,170	33,099	27,846	22,992
2024	25,015	32,983	27,776	23,093
2025	24,716	32,952	27,832	23,070
2026	24,447	32,853	27,784	23,114
2027	24,085	32,701	27,691	23,151
2028	24,576	32,516	27,660	23,218
2029	24,631	32,323	27,479	23,162
2030	24,472	32,349	27,451	23,139
2031	24,164	32,307	27,436	23,101
2032	23,764	32,008	27,386	23,105
2033	24,180	31,854	27,323	23,025
2034	24,239	31,808	27,250	22,956
2035	24,317	31,805	27,207	22,929
2036	23,932	31,970	27,334	23,027
2037	23,972	32,030	27,444	22,982
2038	23,826	32,109	27,507	23,040

**Notes:**

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.  
 Spring season indicates peak from March, April, May.  
 Summer season indicates peak from June, July, August.  
 Fall season indicates peak from September, October, November.  
 Winter season indicates peak from December, January, February.

**Table C-4**

**PJM LOCATIONAL DELIVERABILITY AREAS  
SOUTHERN MID-ATLANTIC: BGE and PEPCO  
SEASONAL PEAKS - MW**

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	9,934	12,595	10,524	11,136
2024	9,881	12,549	10,546	11,132
2025	9,867	12,577	10,598	11,164
2026	9,883	12,551	10,609	11,193
2027	9,885	12,534	10,584	11,228
2028	9,891	12,492	10,517	11,261
2029	9,880	12,444	10,475	11,226
2030	9,860	12,382	10,482	11,215
2031	9,839	12,309	10,448	11,209
2032	9,825	12,281	10,404	11,228
2033	9,822	12,247	10,351	11,209
2034	9,829	12,189	10,343	11,205
2035	9,853	12,160	10,354	11,211
2036	9,857	12,191	10,424	11,248
2037	9,888	12,231	10,460	11,239
2038	9,895	12,270	10,485	11,260

**EXTREME WEATHER (90/10) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2023	10,900	13,624	11,609	12,121
2024	10,859	13,555	11,580	12,041
2025	10,841	13,583	11,624	12,048
2026	10,846	13,553	11,636	12,079
2027	10,875	13,522	11,619	12,174
2028	10,909	13,431	11,593	12,215
2029	10,870	13,425	11,540	12,170
2030	10,794	13,347	11,496	12,139
2031	10,745	13,305	11,519	12,123
2032	10,764	13,226	11,484	12,111
2033	10,773	13,200	11,465	12,208
2034	10,781	13,165	11,365	12,200
2035	10,778	13,155	11,367	12,166
2036	10,753	13,208	11,503	12,158
2037	10,760	13,214	11,453	12,147
2038	10,815	13,237	11,499	12,221

**Notes:**

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management.

Spring season indicates peak from March, April, May.

Summer season indicates peak from June, July, August.

Fall season indicates peak from September, October, November.

Winter season indicates peak from December, January, February.

Table D-1

SUMMER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2023 - 2038

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	2,706	2,678	2,665	2,655	2,647	2,635	2,623	2,604	2,590	2,585	2,568	2,556	2,548	2,544	2,545	2,548
BGE	7,109	7,042	7,022	6,988	6,938	6,882	6,813	6,751	6,725	6,669	6,625	6,601	6,575	6,563	6,552	6,546
DPL	4,072	4,046	4,025	4,006	3,990	3,969	3,963	3,945	3,934	3,924	3,913	3,895	3,894	3,900	3,910	3,916
JCPL	6,642	6,608	6,606	6,572	6,543	6,488	6,431	6,408	6,381	6,348	6,331	6,298	6,281	6,294	6,318	6,335
METED	3,201	3,207	3,217	3,225	3,230	3,238	3,245	3,251	3,255	3,259	3,265	3,270	3,277	3,291	3,304	3,320
PECO	9,124	9,123	9,157	9,172	9,150	9,151	9,156	9,157	9,189	9,149	9,144	9,154	9,163	9,212	9,224	9,225
PENLC	2,998	2,988	2,985	2,981	2,969	2,952	2,945	2,939	2,934	2,925	2,915	2,905	2,896	2,913	2,915	2,911
PEPCO	6,588	6,581	6,613	6,621	6,625	6,615	6,632	6,614	6,617	6,600	6,598	6,588	6,619	6,699	6,704	6,731
PL	7,545	7,539	7,570	7,581	7,576	7,579	7,583	7,578	7,590	7,577	7,577	7,579	7,598	7,627	7,647	7,673
PS	10,736	10,671	10,654	10,611	10,570	10,501	10,402	10,376	10,389	10,343	10,323	10,291	10,285	10,326	10,361	10,391
RECO	466	466	468	469	470	470	471	471	471	472	472	472	473	475	477	479
UGI	210	209	209	209	208	207	206	205	205	204	203	202	202	202	201	201
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	1,466 59,931	1,331 59,827	1,335 59,856	1,311 59,779	1,320 59,596	1,248 59,439	1,198 59,272	1,237 59,062	1,407 58,873	1,389 58,666	1,321 58,613	1,261 58,550	1,280 58,531	1,105 58,941	1,118 59,040	1,262 59,014
FE-EAST PLGRP	12,508 7,751	12,455 7,744	12,471 7,776	12,451 7,786	12,409 7,783	12,359 7,781	12,330 7,784	12,307 7,780	12,322 7,792	12,299 7,778	12,252 7,775	12,215 7,776	12,200 7,798	12,314 7,826	12,344 7,846	12,341 7,872

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management. Summer season indicates peak from June, July, August.

Table D-1

SUMMER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2023 - 2038

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AEP	23,571	23,720	23,755	23,803	23,791	23,833	23,837	23,810	23,787	23,781	23,781	23,819	23,892	23,908	23,963	23,999
APS	9,288	9,352	9,690	9,881	10,067	10,132	10,119	10,111	10,095	10,083	10,078	10,064	10,061	10,091	10,102	10,115
ATSI	12,929	12,885	12,844	12,799	12,770	12,755	12,730	12,673	12,627	12,561	12,525	12,431	12,397	12,432	12,406	12,381
COMED	23,062	22,898	22,993	22,893	22,851	22,733	22,647	22,515	22,485	22,248	22,107	21,962	21,916	21,914	21,902	21,895
DAYTON	3,555	3,552	3,554	3,552	3,548	3,548	3,551	3,544	3,538	3,529	3,524	3,528	3,541	3,544	3,547	3,552
DEOK	5,620	5,612	5,610	5,603	5,594	5,587	5,571	5,550	5,526	5,509	5,501	5,490	5,483	5,479	5,479	5,479
DLCO	2,923	2,912	2,911	2,908	2,909	2,907	2,898	2,893	2,889	2,887	2,886	2,884	2,884	2,890	2,892	2,900
EKPC	2,152	2,159	2,166	2,171	2,180	2,188	2,194	2,196	2,195	2,197	2,204	2,211	2,219	2,225	2,233	2,236
OVEC	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
DIVERSITY - WESTERN(-)	615	597	837	910	938	916	873	880	1,046	1,017	1,032	892	970	969	944	924
PJM WESTERN	82,580	82,588	82,781	82,795	82,867	82,862	82,769	82,507	82,191	81,873	81,669	81,592	81,518	81,609	81,675	81,728
DOM	23,164	24,122	25,067	26,720	28,310	29,836	31,338	32,738	34,245	35,611	36,939	38,147	39,290	40,466	41,658	42,954
DIVERSITY - TOTAL(-)	5,090	5,275	4,713	4,505	5,763	5,708	5,667	5,797	5,641	6,270	6,390	6,422	5,955	5,908	5,326	6,687
PJM RTO	162,666	163,190	165,163	167,010	167,268	168,593	169,783	170,627	172,121	172,286	173,184	174,020	175,634	177,182	179,109	179,195

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, reductions for distributed battery storage, additions for plug-in electric vehicles, and prior to reductions for load management. Summer season indicates peak from June, July, August.

Table D-2

WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2022/23 - 2037/38

	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38
AE	1,667	1,657	1,656	1,658	1,654	1,654	1,649	1,644	1,638	1,633	1,628	1,618	1,612	1,611	1,611	1,609
BGE	6,341	6,328	6,326	6,335	6,342	6,355	6,320	6,300	6,269	6,297	6,265	6,247	6,229	6,239	6,201	6,192
DPL	3,986	4,014	3,994	4,004	4,015	4,055	4,031	4,034	4,039	4,074	4,050	4,056	4,063	4,100	4,078	4,085
JCPL	3,904	3,945	3,949	3,978	3,994	4,033	4,022	4,027	4,019	4,036	4,039	4,028	4,014	4,031	4,039	4,055
METED	2,850	2,875	2,864	2,876	2,883	2,910	2,896	2,901	2,906	2,925	2,915	2,918	2,920	2,953	2,938	2,946
PECO	6,797	6,875	6,812	6,821	6,831	6,919	6,854	6,848	6,849	6,916	6,852	6,849	6,857	6,929	6,861	6,870
PENLC	2,976	2,978	2,956	2,955	2,947	2,950	2,931	2,922	2,910	2,909	2,894	2,882	2,874	2,871	2,860	2,854
PEPCO	5,842	5,826	5,841	5,889	5,916	5,932	5,940	5,931	5,942	5,976	5,994	6,011	6,023	6,042	6,065	6,087
PL	7,763	7,763	7,775	7,783	7,797	7,803	7,808	7,807	7,802	7,797	7,802	7,802	7,802	7,809	7,809	7,823
PS	6,807	6,812	6,799	6,781	6,773	6,772	6,755	6,719	6,686	6,671	6,638	6,606	6,591	6,602	6,580	6,590
RECO	223	228	233	239	244	249	252	255	256	257	258	258	258	260	263	266
UGI	209	208	208	208	207	207	206	205	204	203	203	202	200	200	199	199
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	1,500 47,865	1,354 48,155	1,439 47,974	1,454 48,073	1,379 48,224	1,337 48,502	1,359 48,305	1,345 48,248	1,298 48,222	1,483 48,211	1,404 48,134	1,456 48,021	1,418 48,025	1,513 48,134	1,484 48,020	1,442 48,134
FE-EAST PLGRP	9,612 7,966	9,684 7,964	9,633 7,976	9,669 7,985	9,697 7,997	9,794 8,002	9,736 8,004	9,715 8,000	9,708 7,999	9,763 7,993	9,751 7,994	9,699 7,992	9,694 7,991	9,756 7,999	9,697 8,001	9,739 8,013

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.  
Winter season indicates peak from December, January, February.

Table D-2

WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2023 - 2038

	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38
AEP	24,140	24,564	24,401	24,429	24,452	24,779	24,504	24,473	24,433	24,668	24,423	24,489	24,449	24,676	24,454	24,482
APS	9,766	9,836	10,075	10,387	10,621	10,846	10,802	10,798	10,810	10,891	10,848	10,852	10,863	10,929	10,889	10,934
ATSI	10,317	10,352	10,305	10,267	10,247	10,286	10,250	10,212	10,153	10,119	10,034	9,987	9,947	9,919	9,848	9,801
COMED	15,195	15,225	15,233	15,295	15,364	15,443	15,532	15,505	15,514	15,465	15,432	15,384	15,352	15,297	15,243	15,240
DAYTON	3,077	3,089	3,088	3,075	3,082	3,085	3,069	3,060	3,047	3,045	3,025	3,012	3,017	3,018	3,003	3,006
DEOK	4,802	4,813	4,776	4,775	4,768	4,796	4,775	4,735	4,718	4,724	4,702	4,695	4,682	4,675	4,642	4,627
DLCO	2,083	2,094	2,076	2,070	2,070	2,084	2,068	2,058	2,053	2,060	2,043	2,038	2,035	2,046	2,026	2,028
EKPC	3,070	3,047	3,033	3,059	3,071	3,071	3,072	3,055	3,050	3,072	3,076	3,082	3,080	3,068	3,091	3,105
OVEC	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
DIVERSITY - WESTERN(-)	2,303	1,989	2,261	2,399	2,454	2,175	2,394	2,404	2,452	2,267	2,354	2,369	2,289	2,108	2,356	2,387
PJM WESTERN	70,257	71,141	70,836	71,068	71,331	72,325	71,788	71,602	71,436	71,887	71,339	71,280	71,246	71,630	70,950	70,946
DOM	24,123	24,861	25,609	27,149	28,573	30,049	31,355	32,694	33,977	35,429	36,660	37,819	38,882	39,941	41,064	42,277
DIVERSITY - TOTAL(-)	5,352	6,057	5,401	5,650	5,540	5,912	5,736	5,472	5,412	6,066	5,383	5,347	5,406	5,800	5,276	5,414
PJM RTO	140,696	141,443	142,718	144,493	146,421	148,476	149,465	150,821	151,973	153,211	154,508	155,598	156,454	157,526	158,598	159,772

Notes:

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, additions for plug-in electric vehicles, and prior to reductions for load management.

Winter season indicates peak from December, January, February.

Table E-1

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2023 - 2033

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Annual Growth Rate (10 yr)
AE	9,644	9,621	9,545	9,494	9,433	9,403	9,311	9,239	9,165	9,125	9,020	( 0.7%)
BGE	30,387	30,441	30,343	30,293	30,209	30,175	29,932	29,735	29,539	29,446	29,158	( 0.4%)
DPL	17,908	17,892	17,760	17,684	17,594	17,553	17,379	17,249	17,094	16,981	16,731	( 0.7%)
JCPL	22,306	22,438	22,419	22,442	22,442	22,506	22,431	22,388	22,338	22,381	22,244	( 0.0%)
METED	15,938	16,075	16,063	16,118	16,163	16,273	16,254	16,285	16,321	16,441	16,390	0.3%
PECO	38,739	38,970	38,889	38,944	38,970	39,150	39,043	39,057	39,077	39,283	39,119	0.1%
PENLC	17,318	17,372	17,276	17,247	17,205	17,242	17,133	17,091	17,047	17,097	16,965	( 0.2%)
PEPCO	28,934	29,128	29,190	29,306	29,399	29,553	29,521	29,525	29,543	29,671	29,632	0.2%
PL	40,706	40,953	40,893	40,934	40,942	41,100	40,966	40,947	40,940	41,134	40,933	0.1%
PS	41,632	41,621	41,330	41,074	40,787	40,594	40,178	39,807	39,444	39,248	38,750	( 0.7%)
RECO	1,417	1,441	1,461	1,482	1,501	1,522	1,531	1,544	1,557	1,571	1,575	1.1%
UGI	1,038	1,041	1,035	1,031	1,028	1,028	1,022	1,019	1,014	1,015	1,006	( 0.3%)
PJM MID-ATLANTIC	265,967	266,993	266,204	266,049	265,673	266,099	264,701	263,886	263,079	263,393	261,523	( 0.2%)
FE-EAST	55,562	55,885	55,758	55,807	55,810	56,021	55,818	55,764	55,706	55,919	55,599	0.0%
PLGRP	41,744	41,994	41,928	41,965	41,970	42,128	41,988	41,966	41,954	42,149	41,939	0.0%

Notes:

All forecast values represent metered energy, after reductions for distributed solar generation, reductions for distributed battery storage, and additions for plug-in electric vehicles.

All average growth rates are calculated from the first year of the forecast (2023).



Table E-1 (continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2034 - 2038

	2034	2035	2036	2037	2038	Annual Growth Rate (15 yr)
AE	8,957 -0.7%	8,929 -0.3%	8,941 0.1%	8,882 -0.7%	8,868 -0.2%	( 0.6%)
BGE	29,006 -0.5%	28,891 -0.4%	28,913 0.1%	28,708 -0.7%	28,644 -0.2%	( 0.4%)
DPL	16,582 -0.9%	16,519 -0.4%	16,548 0.2%	16,433 -0.7%	16,397 -0.2%	( 0.6%)
JCPL	22,216 -0.1%	22,254 0.2%	22,402 0.7%	22,374 -0.1%	22,450 0.3%	0.0%
METED	16,418 0.2%	16,471 0.3%	16,614 0.9%	16,599 -0.1%	16,673 0.4%	0.3%
PECO	39,133 0.0%	39,201 0.2%	39,464 0.7%	39,376 -0.2%	39,483 0.3%	0.1%
PENLC	16,916 -0.3%	16,891 -0.1%	16,962 0.4%	16,866 -0.6%	16,857 -0.1%	( 0.2%)
PEPCO	29,720 0.3%	29,881 0.5%	30,118 0.8%	30,112 -0.0%	30,246 0.4%	0.3%
PL	40,922 -0.0%	40,946 0.1%	41,221 0.7%	41,139 -0.2%	41,250 0.3%	0.1%
PS	38,454 -0.8%	38,269 -0.5%	38,294 0.1%	38,048 -0.6%	37,999 -0.1%	( 0.6%)
RECO	1,586 0.7%	1,599 0.8%	1,621 1.4%	1,627 0.4%	1,646 1.2%	1.0%
UGI	1,002 -0.4%	998 -0.4%	1,002 0.4%	996 -0.6%	997 0.1%	( 0.3%)
PJM MID-ATLANTIC	260,912 -0.2%	260,849 -0.0%	262,100 0.5%	261,160 -0.4%	261,510 0.1%	( 0.1%)
FE-EAST	55,550 -0.1%	55,616 0.1%	55,978 0.7%	55,839 -0.2%	55,980 0.3%	0.0%
PLGRP	41,924 -0.0%	41,944 0.0%	42,223 0.7%	42,135 -0.2%	42,247 0.3%	0.1%

Notes:

All forecast values represent metered energy, after reductions for distributed solar generation, reductions for distributed battery storage, and additions for plug-in electric vehicles.  
All average growth rates are calculated from the first year of the forecast (2023).

**Table E-1**  
**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR**  
**EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO**  
**2023 - 2033**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Annual Growth Rate (10 yr)
AEP	130,238	132,670	132,525	132,776	133,006	133,725	133,367	133,303	133,315	134,008	133,489	0.2%
		1.9%	-0.1%	0.2%	0.2%	0.5%	-0.3%	-0.0%	0.0%	0.5%	-0.4%	
APS	49,918	50,988	53,639	55,508	57,285	58,265	58,087	58,074	58,078	58,354	58,095	1.5%
		2.1%	5.2%	3.5%	3.2%	1.7%	-0.3%	-0.0%	0.0%	0.5%	-0.4%	
ATSI	62,545	62,782	62,349	62,167	62,164	62,476	62,241	61,964	61,641	61,616	61,073	( 0.2%)
		0.4%	-0.7%	-0.3%	-0.0%	0.5%	-0.4%	-0.4%	-0.5%	-0.0%	-0.9%	
COMED	90,558	90,989	90,708	90,720	90,896	91,373	91,230	91,157	90,844	90,771	90,106	( 0.1%)
		0.5%	-0.3%	0.0%	0.2%	0.5%	-0.2%	-0.1%	-0.3%	-0.1%	-0.7%	
DAYTON	16,944	17,016	16,964	16,960	16,947	16,994	16,911	16,858	16,823	16,876	16,775	( 0.1%)
		0.4%	-0.3%	-0.0%	-0.1%	0.3%	-0.5%	-0.3%	-0.2%	0.3%	-0.6%	
DEOK	26,599	26,669	26,561	26,514	26,465	26,493	26,333	26,196	26,073	26,070	25,870	( 0.3%)
		0.3%	-0.4%	-0.2%	-0.2%	0.1%	-0.6%	-0.5%	-0.5%	-0.0%	-0.8%	
DLCO	13,210	13,250	13,197	13,179	13,158	13,188	13,123	13,091	13,059	13,094	13,009	( 0.2%)
		0.3%	-0.4%	-0.1%	-0.2%	0.2%	-0.5%	-0.2%	-0.2%	0.3%	-0.6%	
EKPC	11,246	11,395	11,446	11,512	11,593	11,721	11,739	11,783	11,831	11,940	11,944	0.6%
		1.3%	0.4%	0.6%	0.7%	1.1%	0.2%	0.4%	0.4%	0.9%	0.0%	
OVEC	330	330	330	330	330	330	330	330	330	330	330	0.0%
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
PJM WESTERN	401,588	406,089	407,719	409,666	411,844	414,565	413,361	412,756	411,994	413,059	410,691	0.2%
		1.1%	0.4%	0.5%	0.5%	0.7%	-0.3%	-0.1%	-0.2%	0.3%	-0.6%	
DOM	120,495	128,855	136,328	150,796	163,997	177,605	189,774	201,819	214,320	226,951	237,408	7.0%
		6.9%	5.8%	10.6%	8.8%	8.3%	6.9%	6.3%	6.2%	5.9%	4.6%	
PJM RTO	788,050	801,937	810,251	826,511	841,514	858,269	867,836	878,461	889,393	903,403	909,622	1.4%
		1.8%	1.0%	2.0%	1.8%	2.0%	1.1%	1.2%	1.2%	1.6%	0.7%	

Notes:

All forecast values represent metered energy, after reductions for distributed solar generation, reductions for distributed battery storage, and additions for plug-in electric vehicles.

All average growth rates are calculated from the first year of the forecast (2023).

Table E-1 (Continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2023 - 2033

	2034	2035	2036	2037	2038	Annual Growth Rate (15 yr)
AEP	133,648 0.1%	133,896 0.2%	134,806 0.7%	134,515 -0.2%	134,856 0.3%	0.2%
APS	58,110 0.0%	58,176 0.1%	58,533 0.6%	58,365 -0.3%	58,473 0.2%	1.1%
ATSI	60,833 -0.4%	60,623 -0.3%	60,706 0.1%	60,230 -0.8%	60,061 -0.3%	( 0.3%)
COMED	89,960 -0.2%	90,006 0.1%	90,484 0.5%	90,163 -0.4%	90,253 0.1%	( 0.0%)
DAYTON	16,761 -0.1%	16,770 0.1%	16,859 0.5%	16,796 -0.4%	16,815 0.1%	( 0.1%)
DEOK	25,793 -0.3%	25,751 -0.2%	25,810 0.2%	25,664 -0.6%	25,632 -0.1%	( 0.2%)
DLCO	12,985 -0.2%	12,981 -0.0%	13,045 0.5%	13,001 -0.3%	13,017 0.1%	( 0.1%)
EKPC	12,006 0.5%	12,069 0.5%	12,201 1.1%	12,217 0.1%	12,293 0.6%	0.6%
OVEC	330 0.0%	330 0.0%	330 0.0%	330 0.0%	330 0.0%	0.0%
PJM WESTERN	410,426 -0.1%	410,602 0.0%	412,774 0.5%	411,281 -0.4%	411,730 0.1%	0.2%
DOM	247,810 4.4%	257,503 3.9%	267,876 4.0%	276,725 3.3%	287,188 3.8%	6.0%
PJM RTO	919,148 1.0%	928,954 1.1%	942,750 1.5%	949,166 0.7%	960,428 1.2%	1.3%

Notes:

All forecast values represent metered energy, after reductions for distributed solar generation, reductions for distributed battery storage, and additions for plug-in electric vehicles.

All average growth rates are calculated from the first year of the forecast (2023).

Table E-2

**MONTHLY NET ENERGY FORECAST (GWh) FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION**

	<b>AE</b>	<b>BGE</b>	<b>DPL</b>	<b>JCPL</b>	<b>METED</b>	<b>PECO</b>	<b>PENLC</b>	<b>PEPCO</b>	<b>PL</b>	<b>PS</b>	<b>RECO</b>	<b>UGI</b>	<b>PJM MID-ATLANTIC</b>
Jan 2023	835	2,952	1,784	1,971	1,505	3,547	1,650	2,749	4,050	3,637	117	108	24,905
Feb 2023	723	2,550	1,548	1,694	1,322	3,103	1,462	2,379	3,524	3,170	101	94	21,670
Mar 2023	714	2,482	1,489	1,718	1,348	3,133	1,519	2,317	3,539	3,277	105	93	21,734
Apr 2023	623	2,067	1,198	1,499	1,149	2,703	1,312	1,966	2,959	2,859	95	74	18,504
May 2023	703	2,218	1,263	1,647	1,195	2,893	1,328	2,158	3,010	3,123	112	73	19,723
Jun 2023	865	2,606	1,494	2,007	1,325	3,370	1,388	2,521	3,243	3,724	134	80	22,757
Jul 2023	1,125	3,053	1,816	2,449	1,493	3,967	1,523	2,960	3,685	4,421	159	93	26,744
Aug 2023	1,066	2,925	1,730	2,341	1,488	3,844	1,497	2,835	3,590	4,298	152	88	25,854
Sep 2023	808	2,376	1,378	1,808	1,234	3,126	1,318	2,310	3,059	3,433	119	74	21,043
Oct 2023	682	2,153	1,236	1,605	1,198	2,798	1,360	2,073	3,037	3,077	104	76	19,399
Nov 2023	693	2,278	1,334	1,646	1,242	2,887	1,401	2,151	3,259	3,093	103	84	20,171
Dec 2023	807	2,727	1,638	1,921	1,439	3,368	1,560	2,515	3,751	3,520	116	101	23,463
	<b>AE</b>	<b>BGE</b>	<b>DPL</b>	<b>JCPL</b>	<b>METED</b>	<b>PECO</b>	<b>PENLC</b>	<b>PEPCO</b>	<b>PL</b>	<b>PS</b>	<b>RECO</b>	<b>UGI</b>	<b>MID-ATLANTIC</b>
Jan 2024	832	2,953	1,785	1,982	1,518	3,563	1,653	2,762	4,068	3,642	119	108	24,985
Feb 2024	755	2,662	1,616	1,786	1,407	3,282	1,543	2,488	3,710	3,312	108	98	22,767
Mar 2024	707	2,464	1,479	1,709	1,335	3,115	1,499	2,308	3,508	3,233	106	92	21,555
Apr 2024	622	2,073	1,197	1,515	1,169	2,728	1,326	1,985	2,994	2,871	97	75	18,652
May 2024	699	2,209	1,253	1,649	1,199	2,893	1,324	2,159	3,012	3,103	113	73	19,686
Jun 2024	854	2,584	1,474	1,994	1,318	3,354	1,373	2,510	3,223	3,677	134	79	22,574
Jul 2024	1,116	3,048	1,807	2,453	1,509	3,986	1,533	2,976	3,715	4,418	161	93	26,815
Aug 2024	1,057	2,910	1,715	2,336	1,486	3,839	1,487	2,836	3,583	4,269	153	88	25,759
Sep 2024	803	2,372	1,368	1,810	1,239	3,132	1,317	2,320	3,065	3,417	120	74	21,037
Oct 2024	681	2,158	1,233	1,620	1,211	2,814	1,366	2,091	3,061	3,082	106	76	19,499
Nov 2024	689	2,274	1,326	1,650	1,240	2,883	1,392	2,157	3,252	3,076	105	84	20,128
Dec 2024	806	2,734	1,639	1,934	1,444	3,381	1,559	2,536	3,762	3,521	119	101	23,536
	<b>AE</b>	<b>BGE</b>	<b>DPL</b>	<b>JCPL</b>	<b>METED</b>	<b>PECO</b>	<b>PENLC</b>	<b>PEPCO</b>	<b>PL</b>	<b>PS</b>	<b>RECO</b>	<b>UGI</b>	<b>MID-ATLANTIC</b>
Jan 2025	831	2,960	1,786	1,996	1,524	3,571	1,650	2,779	4,079	3,641	122	108	25,047
Feb 2025	718	2,551	1,544	1,707	1,331	3,113	1,455	2,398	3,535	3,155	105	94	21,706
Mar 2025	705	2,468	1,474	1,717	1,344	3,126	1,501	2,323	3,525	3,226	108	92	21,609
Apr 2025	618	2,071	1,190	1,519	1,171	2,731	1,322	1,994	2,997	2,854	99	75	18,641
May 2025	693	2,203	1,242	1,647	1,198	2,891	1,317	2,163	3,009	3,071	114	73	19,621
Jun 2025	848	2,584	1,466	1,996	1,328	3,369	1,377	2,525	3,242	3,666	136	79	22,616
Jul 2025	1,109	3,046	1,798	2,454	1,520	4,001	1,536	2,993	3,736	4,405	163	93	26,854
Aug 2025	1,050	2,902	1,703	2,329	1,484	3,836	1,478	2,843	3,576	4,235	154	87	25,677
Sep 2025	800	2,377	1,364	1,819	1,251	3,150	1,324	2,340	3,089	3,416	123	74	21,127
Oct 2025	679	2,160	1,228	1,627	1,215	2,819	1,364	2,103	3,067	3,070	108	76	19,516
Nov 2025	687	2,273	1,321	1,654	1,239	2,881	1,386	2,166	3,249	3,057	107	83	20,103
Dec 2025	807	2,748	1,644	1,954	1,458	3,401	1,566	2,563	3,789	3,534	122	101	23,687

## Notes:

All forecast values represent metered energy, after reductions for distributed solar generation, reductions for distributed battery storage, and additions for plug-in electric vehicles.

Table E-2

MONTHLY NET ENERGY FORECAST (GWh) FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	OVEC	PJM		PJM RTO
										WESTERN	DOM	
Jan 2023	12,539	4,978	5,794	8,147	1,606	2,459	1,168	1,229	35	37,955	11,115	73,975
Feb 2023	10,814	4,318	5,116	7,152	1,391	2,112	1,030	1,013	30	32,976	9,555	64,201
Mar 2023	11,019	4,324	5,323	7,296	1,410	2,141	1,059	957	25	33,554	9,470	64,758
Apr 2023	9,520	3,627	4,611	6,463	1,210	1,877	948	764	25	29,045	8,383	55,932
May 2023	9,971	3,736	4,790	6,880	1,286	2,065	1,029	798	25	30,580	9,125	59,428
Jun 2023	10,793	4,011	5,299	8,076	1,439	2,346	1,177	891	25	34,057	10,208	67,022
Jul 2023	11,748	4,415	5,825	9,062	1,567	2,590	1,321	986	35	37,549	11,650	75,943
Aug 2023	11,710	4,404	5,754	8,877	1,583	2,584	1,297	973	30	37,212	11,400	74,466
Sep 2023	10,114	3,740	4,839	7,293	1,324	2,141	1,066	809	25	31,351	9,783	62,177
Oct 2023	9,926	3,724	4,767	6,760	1,287	1,970	992	792	20	30,238	9,184	58,821
Nov 2023	10,345	3,983	4,891	6,844	1,338	2,000	1,001	911	25	31,338	9,529	61,038
Dec 2023	11,739	4,658	5,536	7,708	1,503	2,314	1,122	1,123	30	35,733	11,093	70,289
Jan 2024	12,760	5,009	5,826	8,190	1,614	2,462	1,171	1,234	35	38,301	11,770	75,056
Feb 2024	11,554	4,577	5,402	7,534	1,468	2,217	1,083	1,071	30	34,936	10,611	68,314
Mar 2024	11,085	4,304	5,258	7,219	1,391	2,119	1,049	960	25	33,410	10,081	65,046
Apr 2024	9,756	3,680	4,660	6,533	1,226	1,890	954	778	25	29,502	9,063	57,217
May 2024	10,116	3,766	4,781	6,875	1,283	2,059	1,027	806	25	30,738	9,796	60,220
Jun 2024	10,871	4,030	5,250	7,995	1,424	2,327	1,169	896	25	33,987	10,834	67,395
Jul 2024	11,961	4,501	5,855	9,100	1,578	2,597	1,325	997	35	37,949	12,329	77,093
Aug 2024	11,826	4,472	5,725	8,847	1,574	2,573	1,292	980	30	37,319	12,043	75,121
Sep 2024	10,265	3,840	4,835	7,290	1,324	2,139	1,065	819	25	31,602	10,439	63,078
Oct 2024	10,126	3,866	4,791	6,821	1,297	1,978	996	805	20	30,700	9,882	60,081
Nov 2024	10,460	4,112	4,869	6,844	1,332	1,993	997	918	25	31,550	10,180	61,858
Dec 2024	11,890	4,831	5,530	7,741	1,505	2,315	1,122	1,131	30	36,095	11,827	71,458
Jan 2025	12,803	5,220	5,816	8,218	1,615	2,464	1,171	1,242	35	38,584	12,332	75,963
Feb 2025	10,994	4,550	5,104	7,166	1,392	2,109	1,029	1,025	30	33,399	10,653	65,758
Mar 2025	11,144	4,580	5,264	7,244	1,396	2,124	1,051	970	25	33,798	10,671	66,078
Apr 2025	9,776	3,935	4,639	6,532	1,225	1,887	953	786	25	29,758	9,654	58,053
May 2025	10,120	4,026	4,751	6,851	1,278	2,052	1,023	814	25	30,940	10,428	60,989
Jun 2025	10,934	4,292	5,252	8,013	1,432	2,331	1,171	906	25	34,356	11,489	68,461
Jul 2025	12,019	4,763	5,852	9,112	1,585	2,601	1,327	1,007	35	38,301	13,033	78,188
Aug 2025	11,812	4,701	5,677	8,798	1,567	2,563	1,288	987	30	37,423	12,734	75,834
Sep 2025	10,345	4,088	4,846	7,329	1,334	2,146	1,069	830	25	32,012	11,172	64,311
Oct 2025	10,151	4,098	4,772	6,824	1,297	1,975	995	812	20	30,944	10,619	61,079
Nov 2025	10,456	4,319	4,833	6,822	1,327	1,985	994	925	25	31,686	10,894	62,683
Dec 2025	11,971	5,067	5,543	7,799	1,516	2,324	1,126	1,142	30	36,518	12,649	72,854

Notes:

All forecast values represent metered energy, after reductions for distributed solar generation, reductions for distributed battery storage, and additions for plug-in electric vehicles.

**Table E-3**

**MONTHLY NET ENERGY FORECAST (GWh) FOR  
FE-EAST AND PLGRP**

	<b>FE</b>	<b>EAST</b>	<b>PLGRP</b>
Jan 2023	5,126		4,158
Feb 2023	4,478		3,618
Mar 2023	4,585		3,632
Apr 2023	3,960		3,033
May 2023	4,170		3,083
Jun 2023	4,720		3,323
Jul 2023	5,465		3,778
Aug 2023	5,326		3,678
Sep 2023	4,360		3,133
Oct 2023	4,163		3,113
Nov 2023	4,289		3,343
Dec 2023	4,920		3,852

	<b>FE</b>	<b>EAST</b>	<b>PLGRP</b>
Jan 2024	5,153		4,176
Feb 2024	4,736		3,808
Mar 2024	4,543		3,600
Apr 2024	4,010		3,069
May 2024	4,172		3,085
Jun 2024	4,685		3,302
Jul 2024	5,495		3,808
Aug 2024	5,309		3,671
Sep 2024	4,366		3,139
Oct 2024	4,197		3,137
Nov 2024	4,282		3,336
Dec 2024	4,937		3,863

	<b>FE</b>	<b>EAST</b>	<b>PLGRP</b>
Jan 2025	5,170		4,187
Feb 2025	4,493		3,629
Mar 2025	4,562		3,617
Apr 2025	4,012		3,072
May 2025	4,162		3,082
Jun 2025	4,701		3,321
Jul 2025	5,510		3,829
Aug 2025	5,291		3,663
Sep 2025	4,394		3,163
Oct 2025	4,206		3,143
Nov 2025	4,279		3,332
Dec 2025	4,978		3,890

**Notes:**

All forecast values represent metered energy, after reductions for distributed solar generation, reductions for distributed battery storage, and additions for plug-in electric vehicles.

**Table E-4**  
**PLUG IN ELECTRIC VEHICLE ADJUSTMENT TO ANNUAL ENERGY (GWh) FOR**  
**EACH PJM ZONE AND RTO**  
**2023 - 2038**

	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
AE	22	49	82	116	148	177	204	229	252	274	293	311	328	345	358	372
BGE	48	111	190	274	351	425	491	554	613	670	719	767	811	856	893	930
DPL	10	22	36	50	64	77	90	103	116	129	141	154	166	179	191	203
JCPL	87	191	319	454	580	699	807	909	1,005	1,098	1,179	1,257	1,331	1,405	1,467	1,529
METED	5	11	17	22	28	34	39	45	50	56	62	67	73	79	84	90
PECO	19	40	61	82	103	123	143	164	184	206	227	248	269	291	311	332
PENLC	6	13	20	27	33	40	46	52	59	65	71	77	83	89	94	100
PEPCO	68	157	268	389	508	627	743	863	984	1,112	1,237	1,367	1,509	1,615	1,672	1,736
PL	7	14	22	30	37	45	52	59	66	74	81	89	96	104	111	119
PS	72	158	264	375	479	578	667	752	831	908	975	1,040	1,101	1,162	1,213	1,264
RECO	18	39	65	93	119	143	166	187	207	226	243	259	275	291	304	317
UGI	0	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6
AEP	33	72	115	159	202	243	281	320	357	396	431	467	502	538	570	604
APS	20	44	72	102	129	156	181	205	228	252	273	294	314	334	352	370
ATSI	23	49	73	98	122	146	169	191	214	238	260	283	305	328	349	370
COMED	118	275	472	715	1,007	1,360	1,757	2,263	2,583	2,706	2,839	2,967	3,092	3,223	3,330	3,442
DAYTON	4	9	14	19	24	28	33	37	41	46	50	55	59	64	68	72
DEOK	7	14	21	28	35	42	49	56	63	70	77	84	91	99	105	112
DLCO	5	11	16	22	27	33	38	43	48	54	59	64	69	74	79	84
EKPC	2	5	8	10	13	16	18	21	23	26	28	31	34	37	39	42
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	143	342	594	867	1,126	1,379	1,615	1,851	2,062	2,254	2,425	2,592	2,750	2,910	3,046	3,184
PJM RTO	718	1,629	2,731	3,932	5,137	6,375	7,592	8,906	9,992	10,863	11,673	12,477	13,263	14,027	14,642	15,278

Notes:  
Adjustment values presented here are reflected in all energy forecast values.

**Table F-1**  
**PJM RTO HISTORICAL PEAKS**  
**(MW)**

<b>SUMMER</b>				
<b>YEAR</b>	<b>NORMALIZED TOTAL</b>	<b>UNRESTRICTED PEAK</b>	<b>PEAK DATE</b>	<b>TIME</b>
1997		130,126	Thursday, July 17, 1997	17:00
1998		133,275	Tuesday, July 21, 1998	17:00
1999		141,491	Friday, July 30, 1999	17:00
2000		131,798	Wednesday, August 9, 2000	17:00
2001		150,924	Thursday, August 9, 2001	16:00
2002		150,826	Thursday, August 1, 2002	17:00
2003		145,227	Thursday, August 21, 2003	17:00
2004		139,279	Tuesday, August 3, 2004	17:00
2005		155,257	Tuesday, July 26, 2005	16:00
2006		166,929	Wednesday, August 2, 2006	17:00
2007		162,035	Wednesday, August 8, 2007	16:00
2008		150,622	Monday, June 9, 2008	17:00
2009		145,112	Monday, August 10, 2009	16:00
2010		157,247	Wednesday, July 7, 2010	17:00
2011		165,524	Thursday, July 21, 2011	17:00
2012		158,219	Tuesday, July 17, 2012	17:00
2013	151,660	159,149	Thursday, July 18, 2013	17:00
2014	151,834	141,509	Tuesday, June 17, 2014	18:00
2015	150,837	143,579	Tuesday, July 28, 2015	17:00
2016	150,408	152,069	Thursday, August 11, 2016	16:00
2017	150,656	145,434	Wednesday, July 19, 2017	18:00
2018	150,493	150,573	Tuesday, August 28, 2018	17:00
2019	150,155	151,302	Friday, July 19, 2019	18:00
2020	147,328	144,320	Monday, July 20, 2020	17:00
2021	149,960	148,433	Tuesday, August 24, 2021	18:00
2022	149,350	147,361	Wednesday, July 20, 2022	18:00

Notes:  
Normalized values for 2013 - 2022 are calculated by PJM staff using a methodology described in Manual 19.  
All times are shown in hour ending Eastern Prevailing Time and historic peak values reflect current membership of the PJM RTO.



**Table F-1**  
**PJM RTO HISTORICAL PEAKS**  
**(MW)**

<b>WINTER</b>				
<b>YEAR</b>	<b>NORMALIZED TOTAL</b>	<b>UNRESTRICTED PEAK</b>	<b>PEAK DATE</b>	<b>TIME</b>
96/97		114,015	Friday, January 17, 1997	19:00
97/98		103,231	Wednesday, January 14, 1998	19:00
98/99		116,086	Tuesday, January 5, 1999	19:00
99/00		118,435	Thursday, January 27, 2000	20:00
00/01		118,046	Wednesday, December 20, 2000	19:00
01/02		112,217	Wednesday, January 2, 2002	19:00
02/03		129,965	Thursday, January 23, 2003	19:00
03/04		122,424	Friday, January 23, 2004	9:00
04/05		131,234	Monday, December 20, 2004	19:00
05/06		126,777	Wednesday, December 14, 2005	19:00
06/07		136,804	Monday, February 5, 2007	20:00
07/08		128,368	Wednesday, January 2, 2008	19:00
08/09		134,077	Friday, January 16, 2009	19:00
09/10		125,350	Monday, January 4, 2010	19:00
10/11		132,315	Tuesday, December 14, 2010	19:00
11/12		124,506	Tuesday, January 3, 2012	19:00
12/13		128,810	Tuesday, January 22, 2013	19:00
13/14	129,932	141,866	Tuesday, January 7, 2014	19:00
14/15	130,728	142,856	Friday, February 20, 2015	8:00
15/16	130,951	129,540	Tuesday, January 19, 2016	8:00
16/17	130,237	130,825	Thursday, December 15, 2016	19:00
17/18	130,766	137,212	Friday, January 5, 2018	19:00
18/19	130,647	137,618	Thursday, January 31, 2019	8:00
19/20	131,455	120,272	Thursday, December 19, 2019	8:00
20/21	129,550	117,012	Friday, January 29, 2021	9:00
21/22	130,888	128,882	Thursday, January 27, 2022	8:00

Notes:  
Normalized values for 2013/14 - 2021/22 are calculated by PJM staff using a methodology described in Manual 19.  
All times are shown in hour ending Eastern Prevailing Time and historic peak values reflect current membership of the PJM RTO.

**Table F-2**

**PJM RTO HISTORICAL NET ENERGY  
(GWH)**

<b>YEAR</b>	<b>ENERGY</b>	<b>GROWTH RATE</b>
1998	718,248	2.4%
1999	740,056	3.0%
2000	756,211	2.2%
2001	754,516	-0.2%
2002	782,275	3.7%
2003	780,666	-0.2%
2004	796,702	2.1%
2005	823,342	3.3%
2006	802,984	-2.5%
2007	836,241	4.1%
2008	822,608	-1.6%
2009	781,270	-5.0%
2010	820,038	5.0%
2011	805,911	-1.7%
2012	791,768	-1.8%
2013	795,098	0.4%
2014	796,228	0.1%
2015	791,580	-0.6%
2016	791,176	-0.1%
2017	772,291	-2.4%
2018	804,917	4.2%
2019	785,209	-2.4%
2020	755,241	-3.8%
2021	780,454	3.3%

Note: All historic net energy values reflect the current membership of the PJM RTO.

Table F-3

WEATHER NORMALIZED LOAD (MW) FOR  
EACH PJM ZONE, LOCATIONAL DELIVERABILITY AREA AND RTO

	Summer 2022	Winter 2021/22
AE	2,632	1,658
BGE	6,591	5,804
DPL	4,017	3,743
JCPL	6,058	3,745
METED	3,045	2,697
PECO	8,629	6,550
PENLC	2,893	2,844
PEPCO	6,100	5,293
PL	7,241	7,390
PS	9,943	6,560
RECO	411	212
UGI	202	204
AEP	22,189	22,077
APS	8,753	8,990
ATSI	12,423	10,290
COMED	20,781	14,808
DAYTON	3,355	2,974
DEOK	5,239	4,457
DLCO	2,720	2,004
EKPC	2,040	2,687
OVEC	95	110
DOM	21,160	21,000
PJM MID-ATLANTIC	56,266	45,937
PJM WESTERN	75,980	66,664
PJM RTO	149,350	130,888

Notes:  
Zonal Normal 2022 are non-coincident as estimated by PJM staff.  
Locational Deliverability Area and PJM RTO Normal 2022 are coincident with their regional peak as estimated by PJM staff.