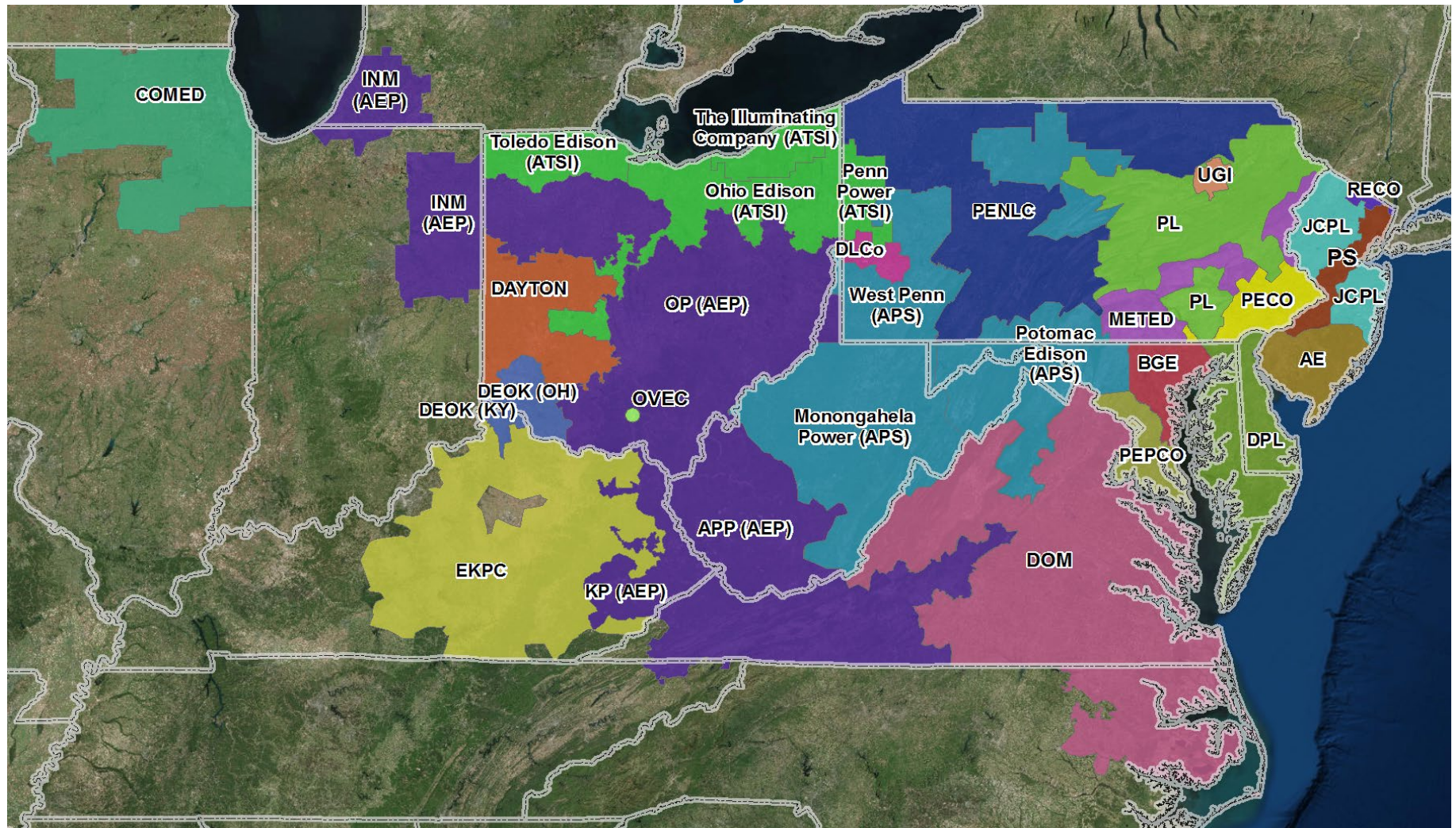


PJM Load Forecast Report

January 2022



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

2022 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.
- New to the report this year are tables for the peak load impact of battery storage (Table B-8b) and the net energy impact of plug-in electric vehicles (Table E-4).
- Since the 2021 Load Report, PJM made significant revisions to the load forecast model, to better capture granularity in the sector models and weather response in the summer and winter seasons. These enhancements are described in the supplemental report which is available with the other published materials.
- The Non-Weather Sensitive model was estimated with historical data from January 2011 through August 2021, while the Residential, Commercial, and Industrial sector models were estimated with data from 1998 through 2020. Weather scenarios were simulated with data from years 1994 through 2020, generating 351 scenarios.
- The economic forecast used was Moody's Analytics' September 2021 release.
- The 2021 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 2021 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 (see Table B-9 and the supplement for details):
 - The forecast of the APS zone has been adjusted to account for accelerating load related to natural gas processing plants;
 - The forecast of the ATSI zone has been adjusted to account for the growth in primary metals facilities;
 - The forecast of the COMED zone has been adjusted to account for the implementation of a voltage optimization program;
 - The forecast of the DOM zone has been adjusted to account for substantial on-going growth in data center construction.
- Summer peak load growth for the PJM RTO is projected to average 0.4% per year over the next 10 years, and 0.4% over the next 15 years. The PJM RTO summer peak is forecasted to be 154,381 MW in 2032, a 10-year increase of 5,443 MW, and

reaches 157,689 MW in 2037, a 15-year increase of 8,751 MW. Annualized 10-year growth rates for individual zones range from -0.3% to 2.2%.

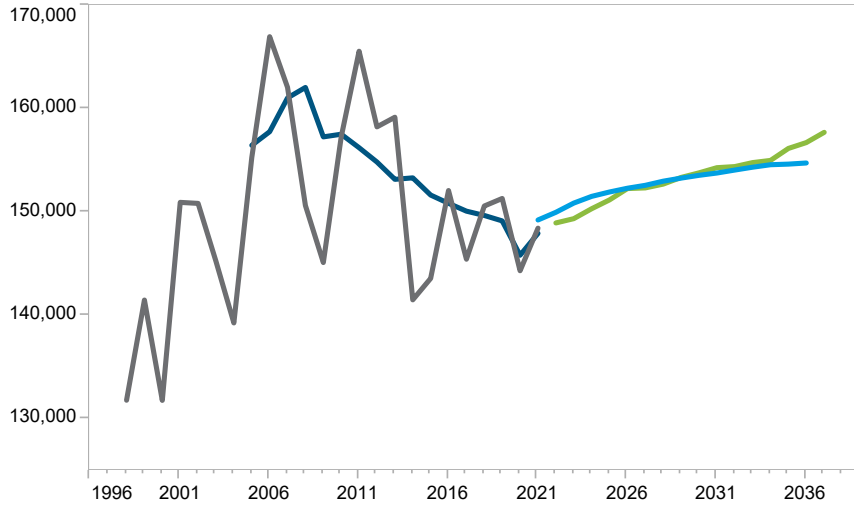
- Winter peak load growth for PJM RTO is projected to average 0.7% per year over the next 10-year period, and 0.6% over the next 15-years. The PJM RTO winter peak load in 2031/32 is forecasted to be 141,516 MW, a 10-year increase of 9,414 MW, and reaches 145,220 MW in 2036/37, a 15-year increase of 13,118 MW. Annualized 10-year growth rates for individual zones range from -0.3% to 2.6%.
- Net energy for load growth for PJM RTO is projected to average 0.8% per year over the next 10-year period, and 0.7% over the next 15-years. Total PJM RTO energy is forecasted to be 845,133 GWh in 2032, a 10-year increase of 63,815 GWh, and reaches 877,586 GWh in 2037, a 15-year increase of 96,268 GWh. Annualized 10-year growth rates for individual zones range from -0.2% to 3.4%.
- Compared to the 2021 Load Report, the 2022 PJM RTO summer peak forecast shows the following changes for three years of interest:
 - The next delivery year – 2022 -1,028 MW (-0.7%)
 - The next RPM auction year – 2025 -763 MW (-0.5%)
 - The next RTEP study year – 2027 -249 MW (-0.2%)

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

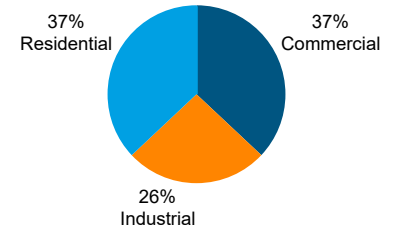
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,075
Heating Degree Days	3,851
Temperature-Humidity Index	82.7
Wind-Adjusted Temperature	11.7

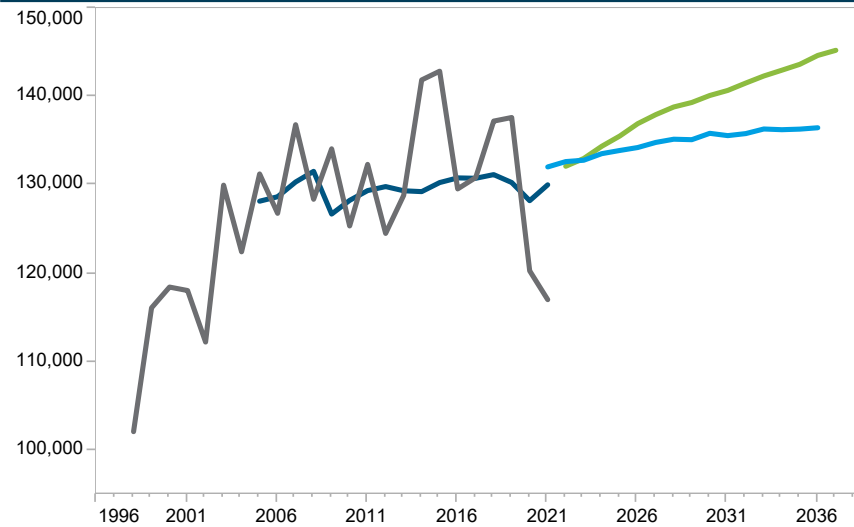
RCI Makeup



Zonal 10/15 Year Load Growth

SUMMER	0.4%	0.4%
WINTER	0.7%	0.6%

Winter Peak



LDAs

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

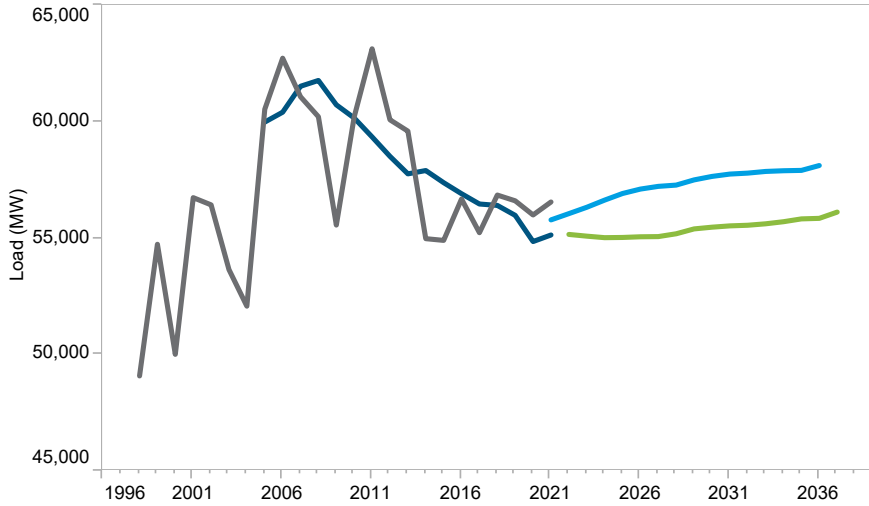
Zones

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 2021
 Forecast 2022

PJM Mid-Atlantic (MAAC)

Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,180
Heating Degree Days	3,608
Temperature-Humidity Index	84.3
Wind-Adjusted Temperature	13.2

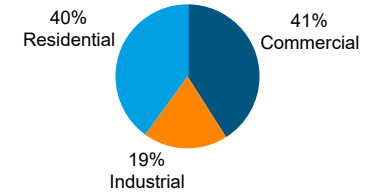
Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.4%	0.4%

Zones

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

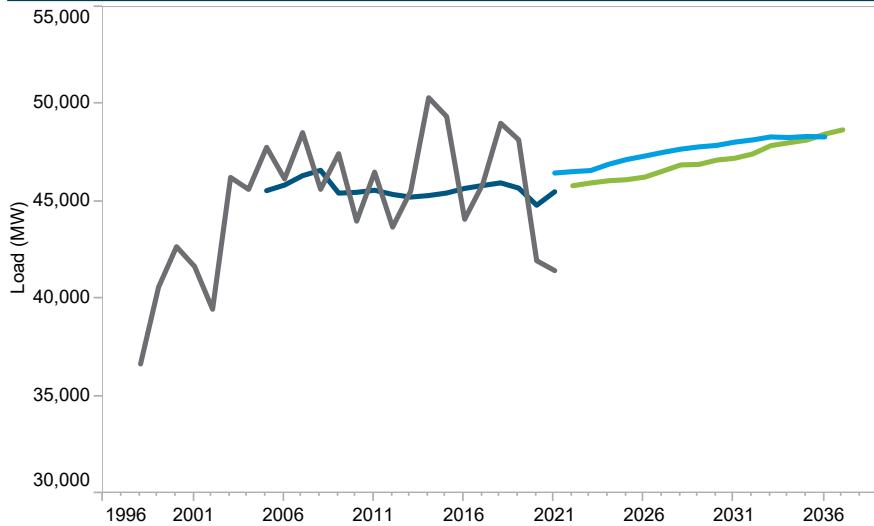
RCI Makeup



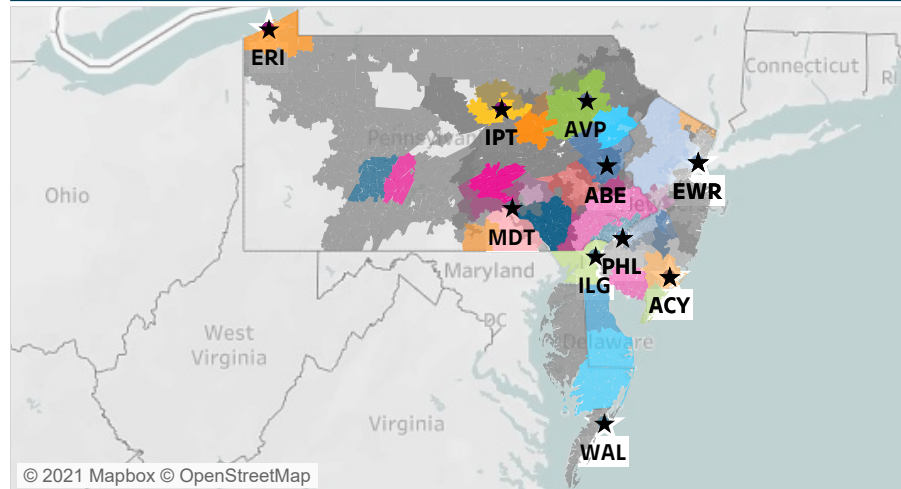
LDAs

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

Winter Peak



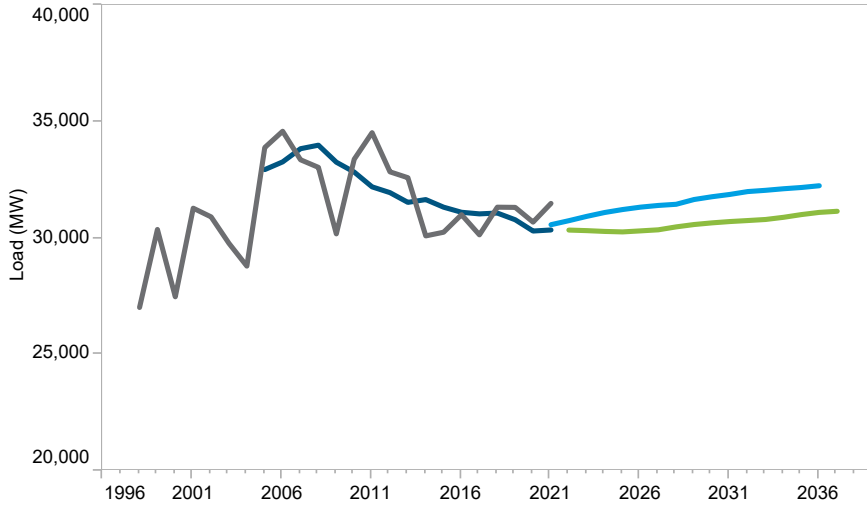
Metropolitan Statistical Areas and Weather Stations



Peak
 WN peak
 Forecast 2021
 Forecast 2022

PJM Eastern Mid-Atlantic (E-MAAC)

Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,233
Heating Degree Days	3,448
Temperature-Humidity Index	84.7
Wind-Adjusted Temperature	13.3

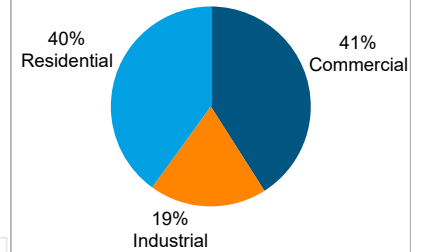
Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.2%
WINTER	0.5%	0.6%

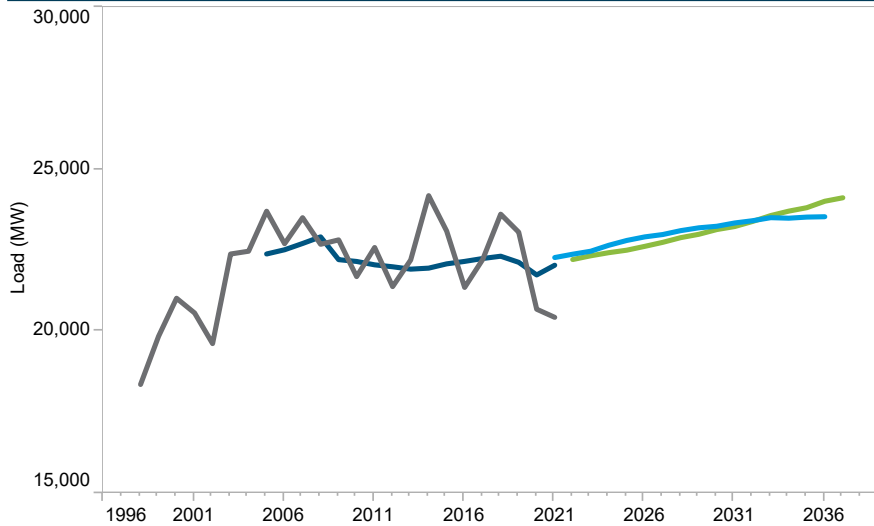
Zones

AE	PECO
DPL	PS
JCPL	RECO

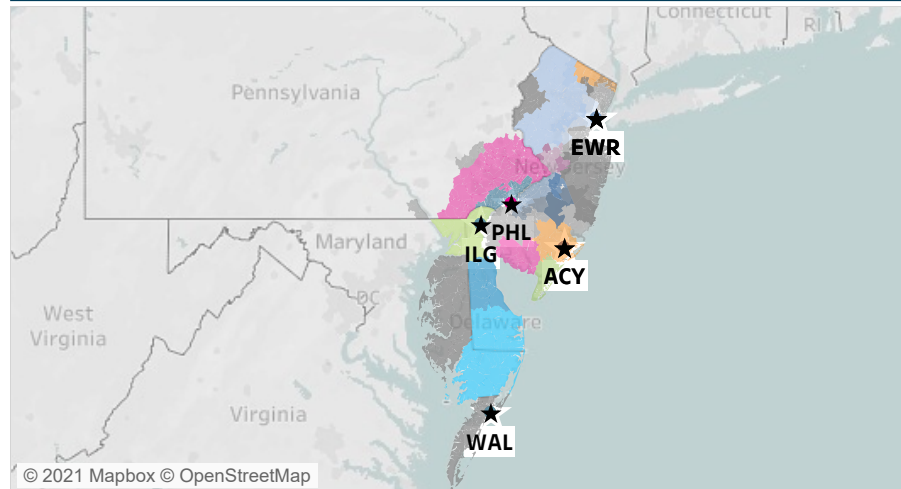
RCI Makeup



Winter Peak



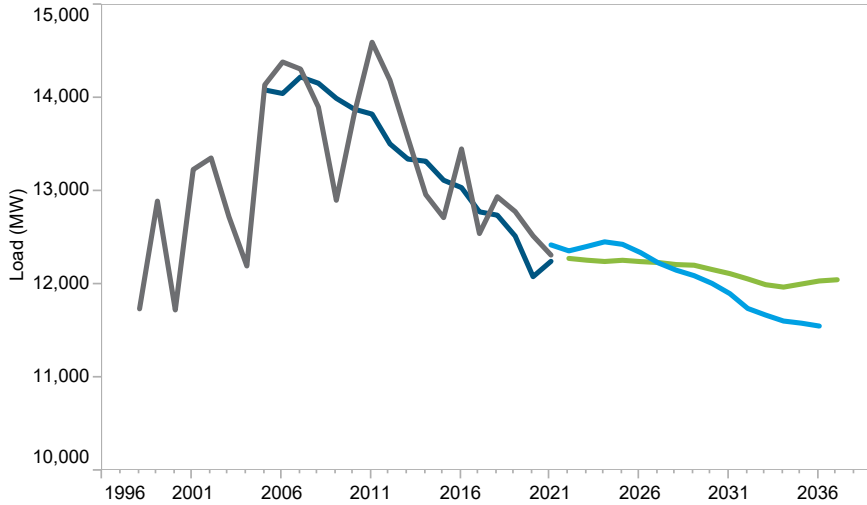
Metropolitan Statistical Areas and Weather Stations



Peak
 WN peak
 Forecast 2021
 Forecast 2022

PJM Southern Mid-Atlantic (S-MAAC)

Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,390
Heating Degree Days	3,142
Temperature-Humidity Index	85.1
Wind-Adjusted Temperature	16.8

Zonal 10/15 Year Load Growth

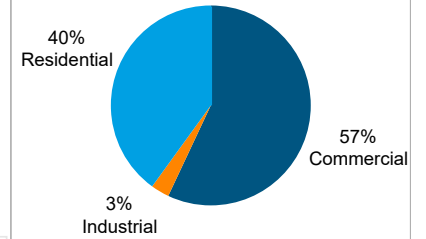
SUMMER	-0.2%	-0.1%
WINTER	0.5%	0.5%

Zones

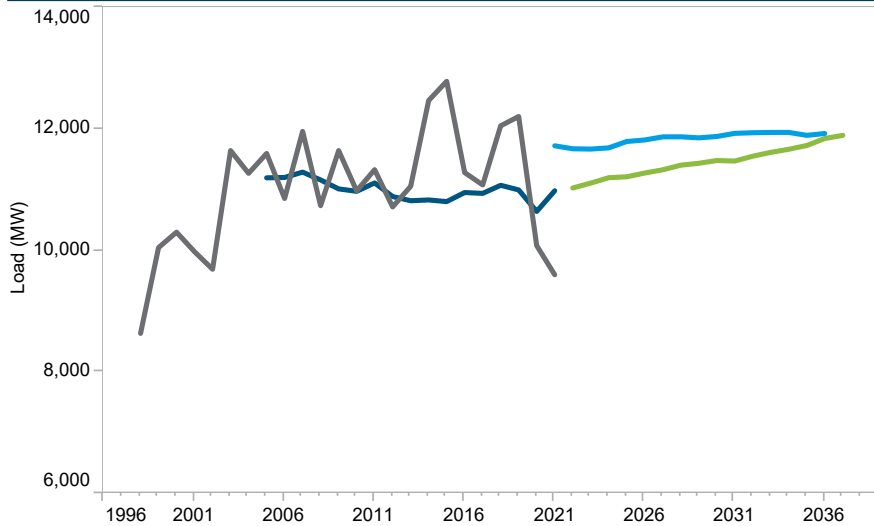
BGE

PEPCO

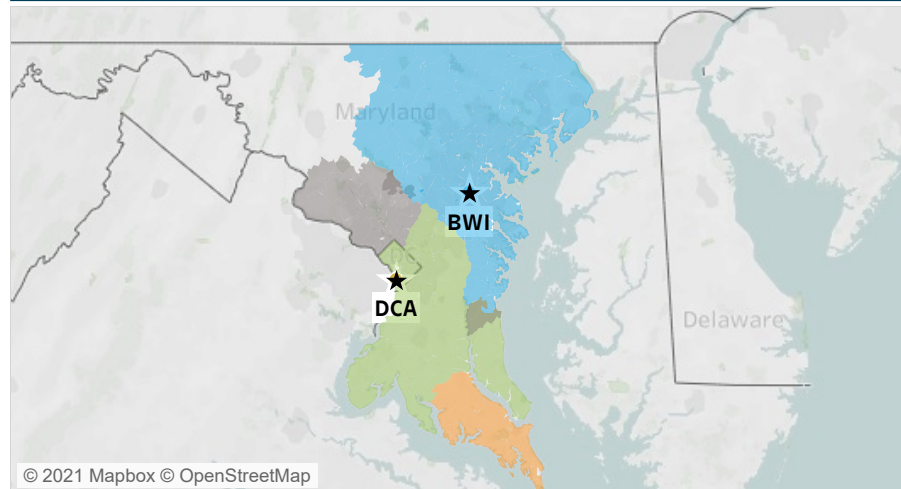
RCI Makeup



Winter Peak



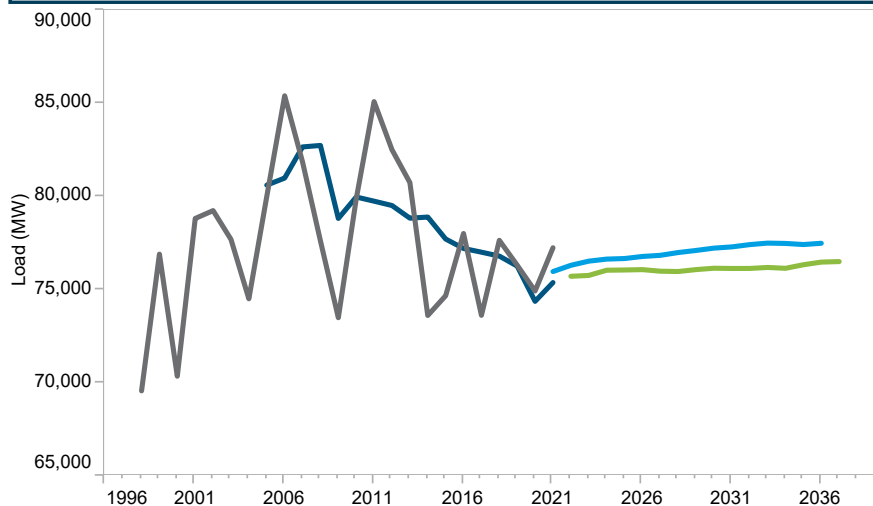
Metropolitan Statistical Areas and Weather Stations



Peak
 WN peak
 Forecast 2021
 Forecast 2022

PJM Western

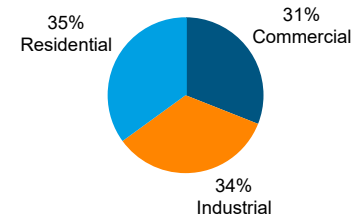
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	914
Heating Degree Days	4,269
Temperature-Humidity Index	82.8
Wind-Adjusted Temperature	5.8

RCI Makeup



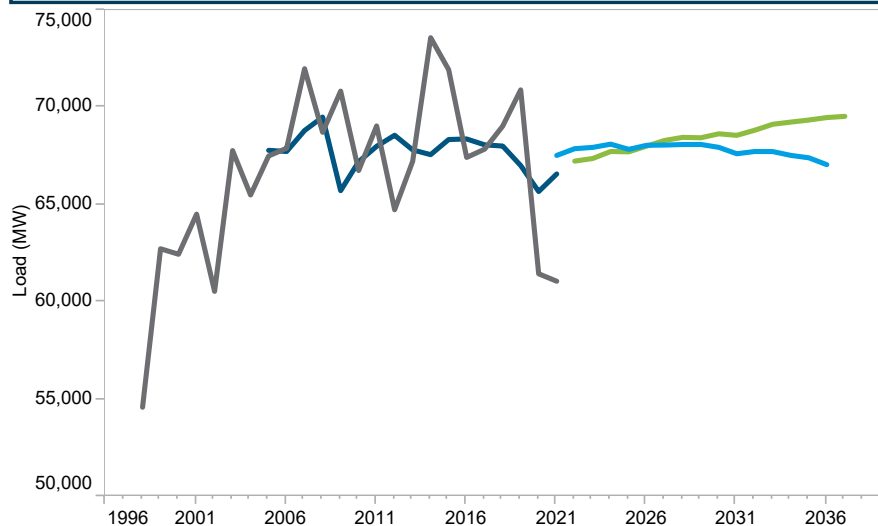
Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.2%	0.2%

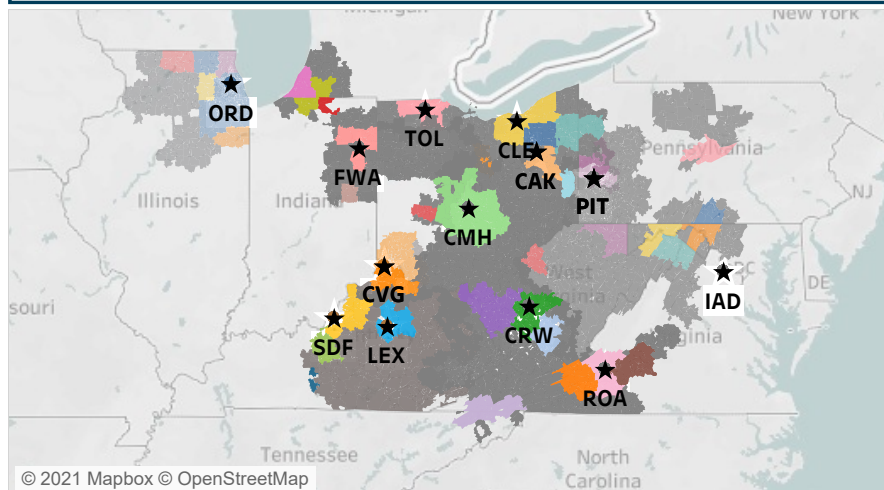
Zones

AEP	COMED	DLCO
APS	DAYTON	EKPC
ATSI	DEOK	OVEC

Winter Peak



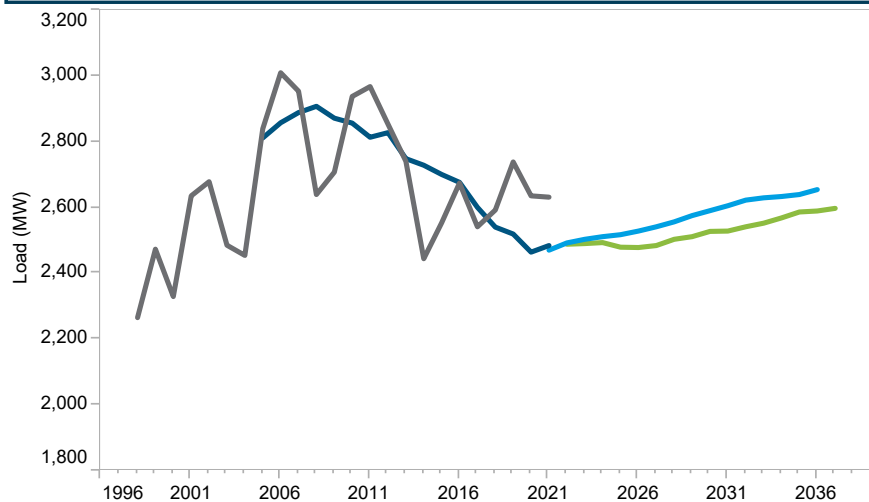
Metropolitan Statistical Areas and Weather Stations



Peak
 WN peak
 Forecast 2021
 Forecast 2022

Atlantic Electric (AE)

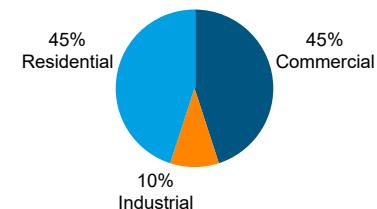
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,069
Heating Degree Days	3,516
Temperature-Humidity Index	84.8
Wind-Adjusted Temperature	14.7

RCI Makeup



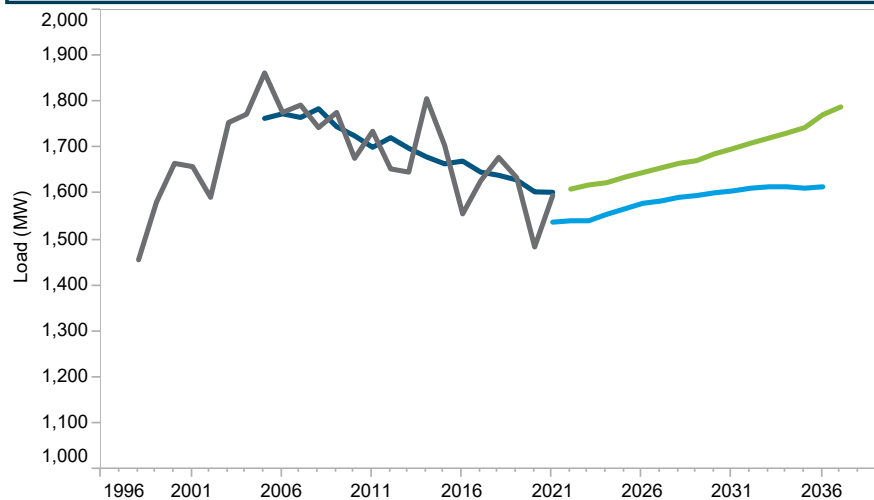
Zonal 10/15 Year Load Growth

SUMMER	0.2%	0.3%
WINTER	0.6%	0.7%

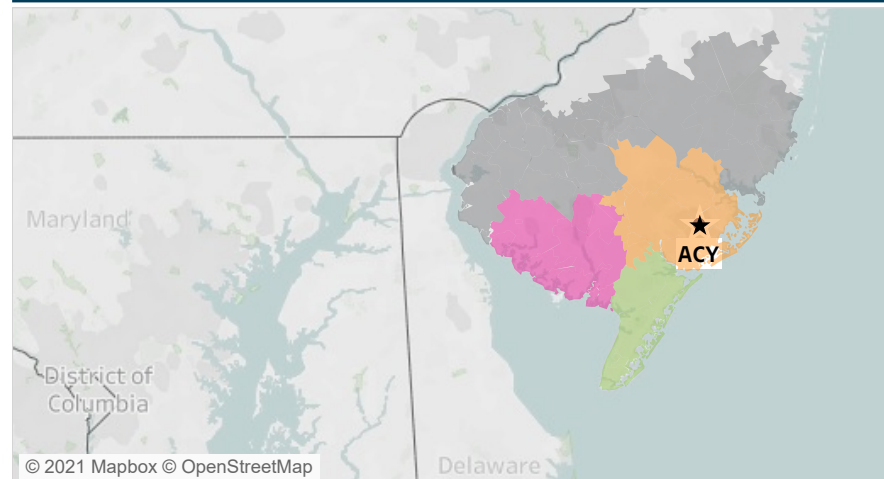
LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations

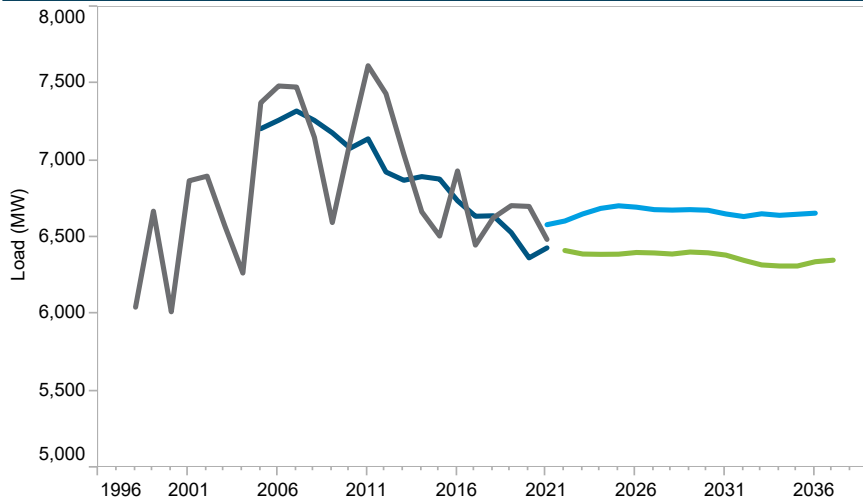


■ Peak
 ■ WN peak
 ■ Forecast 2021
 ■ Forecast 2022

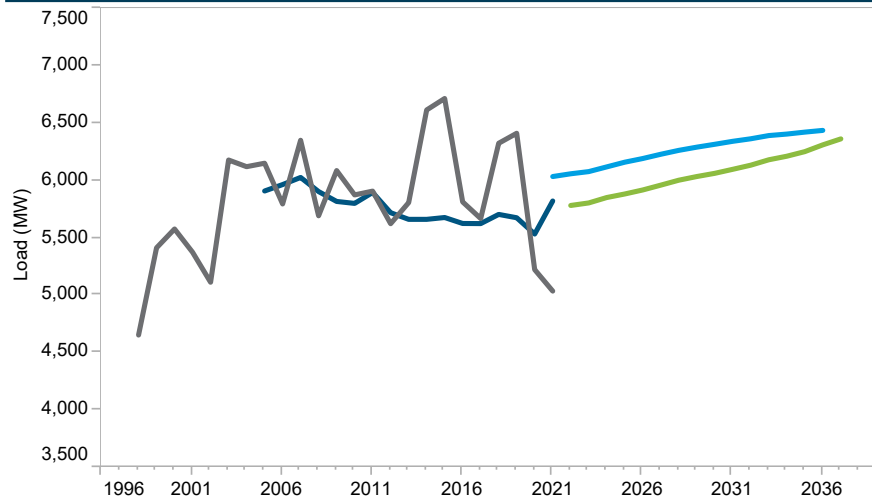
■ AE - Non-Metro
■ Atlantic City-Hammonton, NJ
■ Ocean City, NJ
■ Vineland-Bridgeton, NJ

Baltimore Gas and Electric (BGE)

Summer Peak



Winter Peak



■ Peak
 ■ WN peak
 ■ Forecast 2021
 ■ Forecast 2022

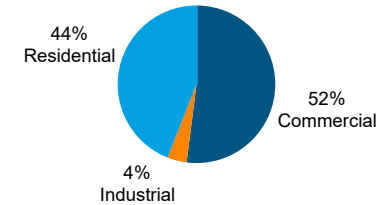
Weather - Annual Average 1994-2020

Cooling Degree Days	1,256
Heating Degree Days	3,369
Temperature-Humidity Index	84.8
Wind-Adjusted Temperature	15.9

Zonal 10/15 Year Load Growth

SUMMER	-0.1%	-0.1%
WINTER	0.6%	0.6%

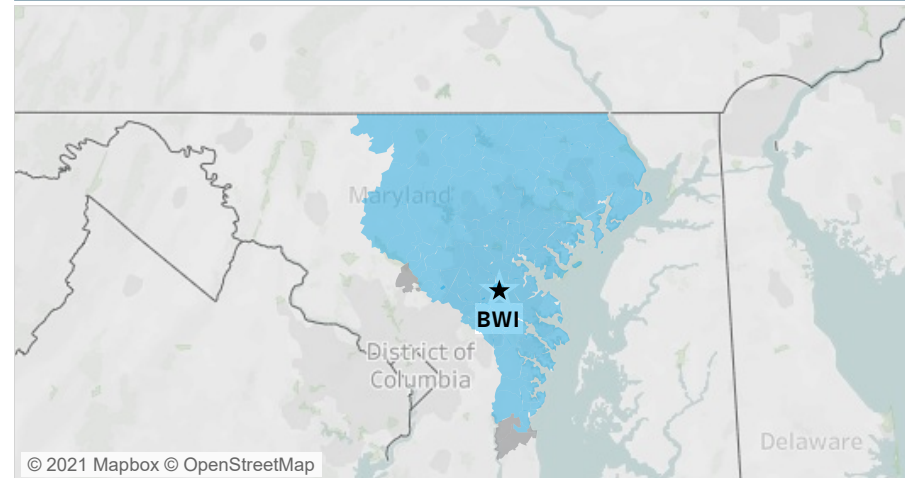
RCI Makeup



LDAs

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

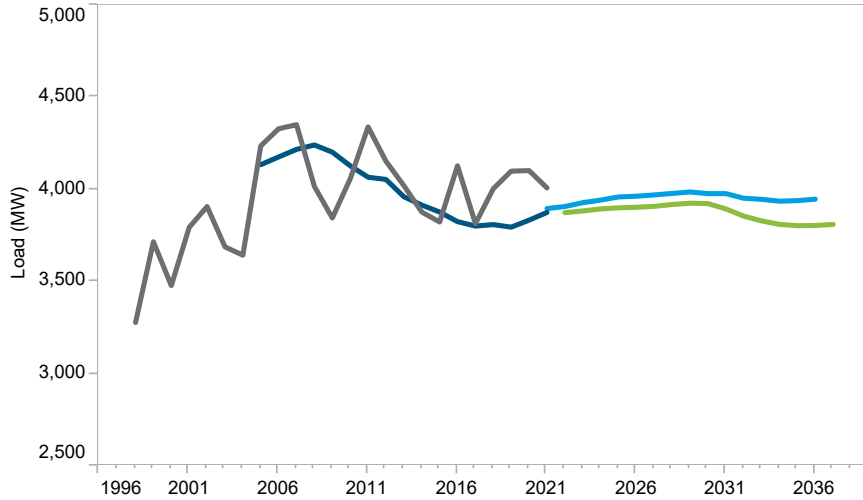
Metropolitan Statistical Areas and Weather Stations



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

Delmarva Power and Light (DPL)

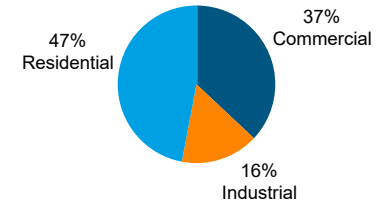
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,192
Heating Degree Days	3,329
Temperature-Humidity Index	84.3
Wind-Adjusted Temperature	16.0

RCI Makeup



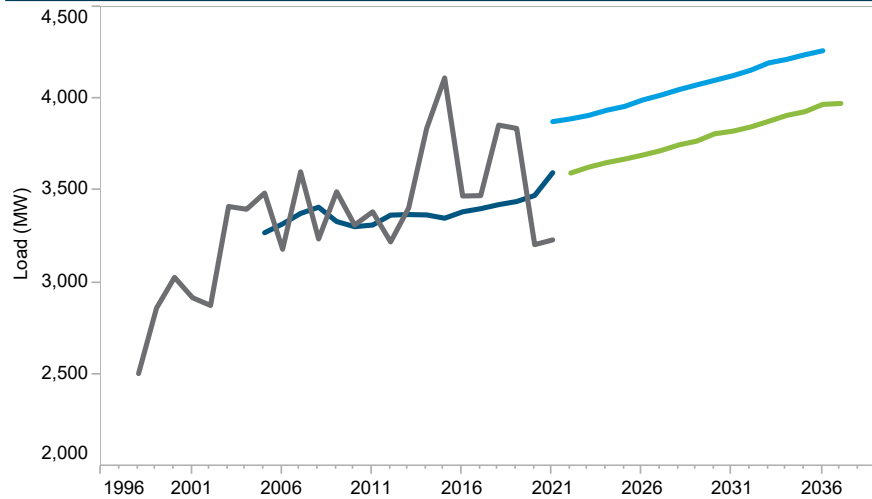
Zonal 10/15 Year Load Growth

SUMMER	0.0%	-0.1%
WINTER	0.7%	0.7%

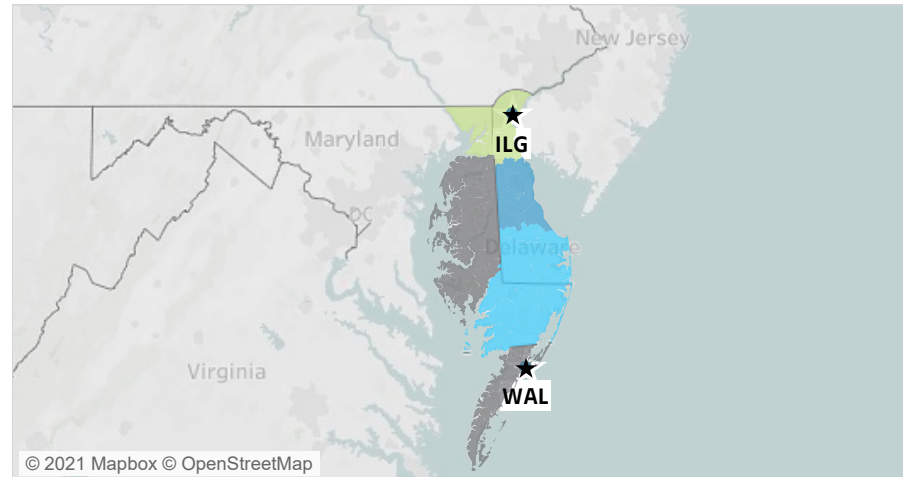
LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations

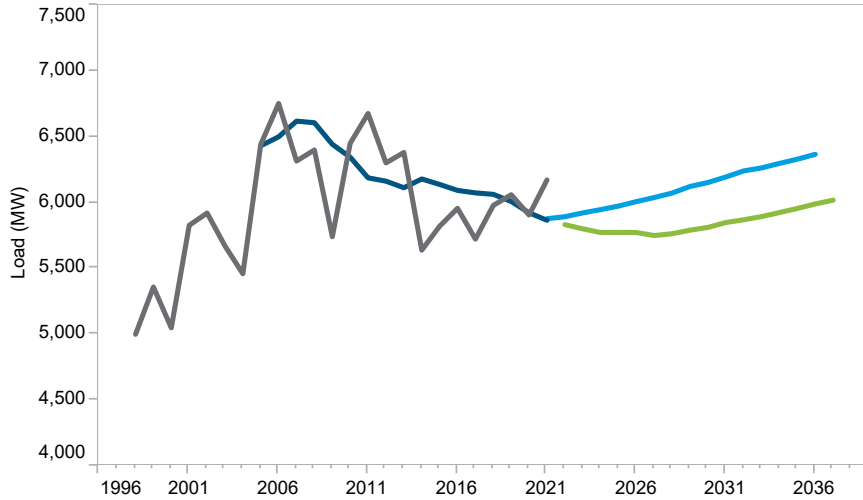


■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

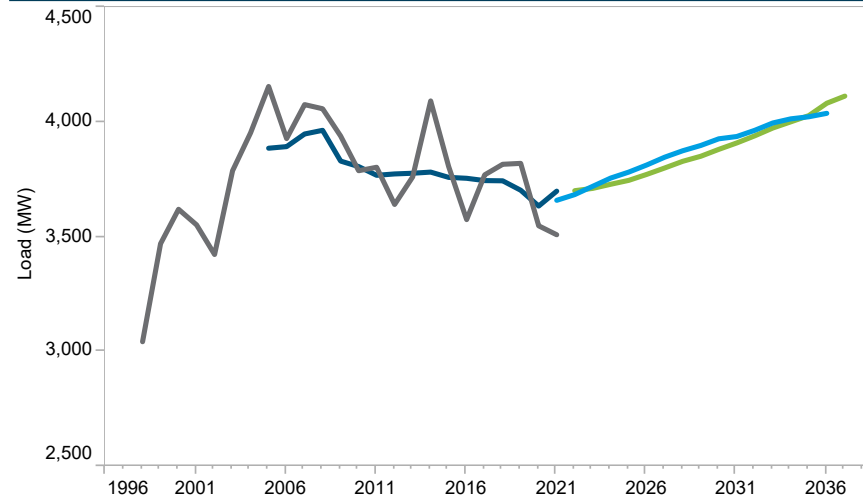
■ Dover, DE
 ■ DPL - Non-Metro
 ■ Salisbury, MD-DE
 ■ Wilmington, DE-MD-NJ

Jersey Central Power and Light (JCPL)

Summer Peak



Winter Peak



■ Peak
 ■ WN peak
 ■ Forecast 2021
 ■ Forecast 2022

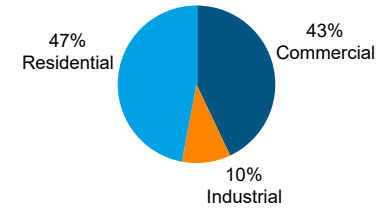
Weather - Annual Average 1994-2020

Cooling Degree Days	1,195
Heating Degree Days	3,535
Temperature-Humidity Index	84.5
Wind-Adjusted Temperature	12.4

Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.2%
WINTER	0.6%	0.7%

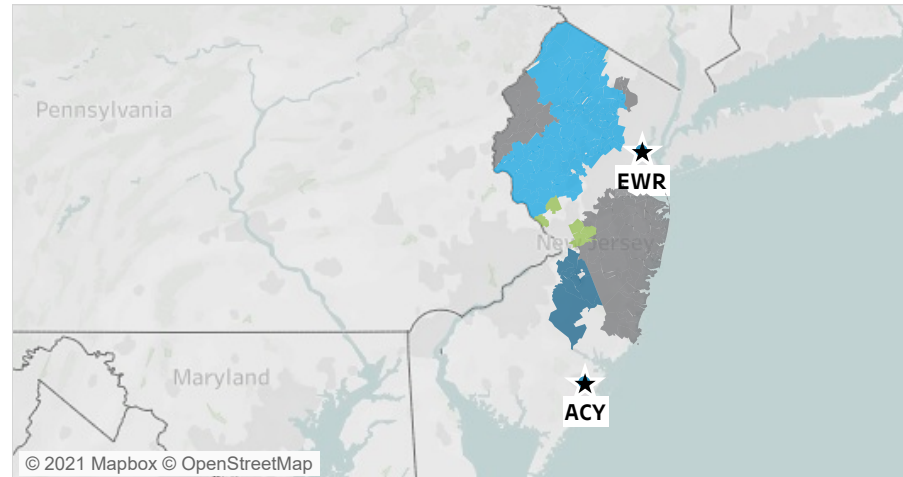
RCI Makeup



LDAs

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

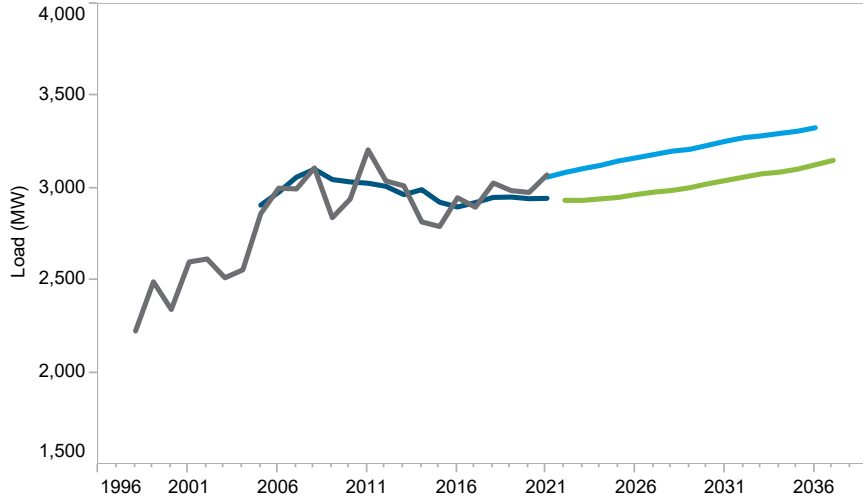
Metropolitan Statistical Areas and Weather Stations



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

Metropolitan Edison (METED)

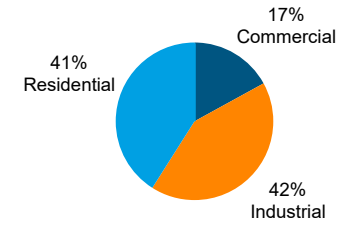
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,094
Heating Degree Days	3,770
Temperature-Humidity Index	84.0
Wind-Adjusted Temperature	12.5

RCI Makeup



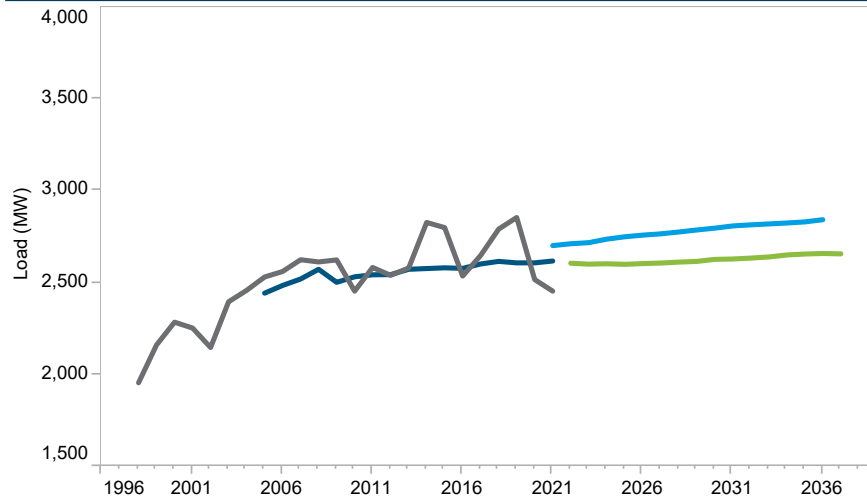
Zonal 10/15 Year Load Growth

SUMMER	0.4%	0.5%
WINTER	0.1%	0.1%

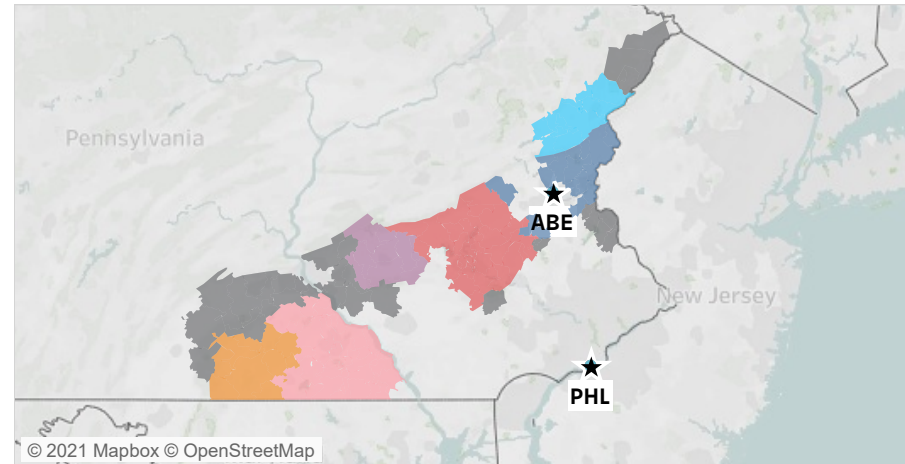
LDAs

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

Winter Peak



Metropolitan Statistical Areas and Weather Stations

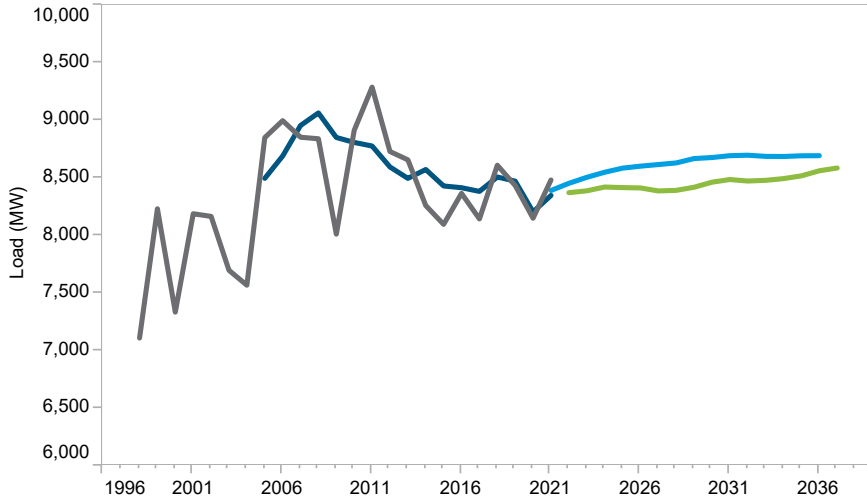


■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

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

PECO Energy (PECO)

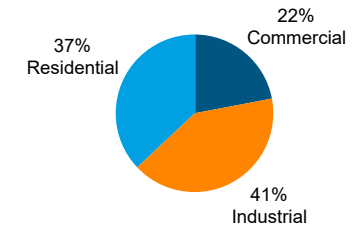
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,318
Heating Degree Days	3,352
Temperature-Humidity Index	84.9
Wind-Adjusted Temperature	14.2

RCI Makeup



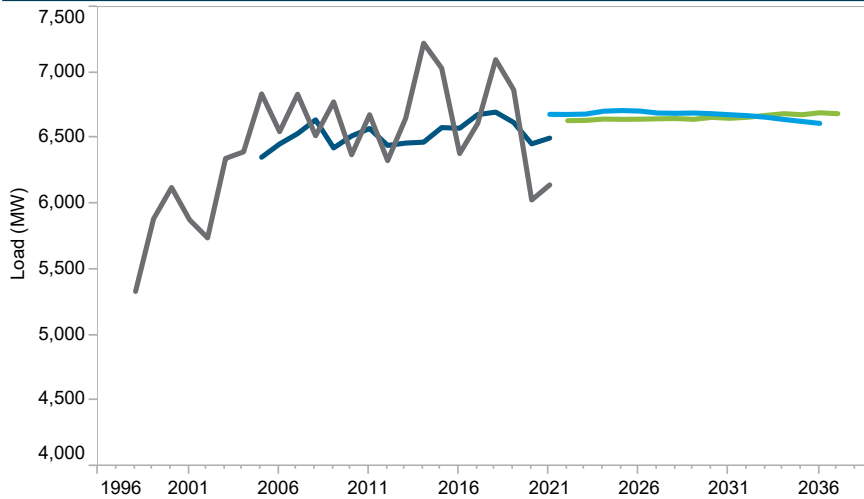
Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.2%
WINTER	0.0%	0.1%

LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations

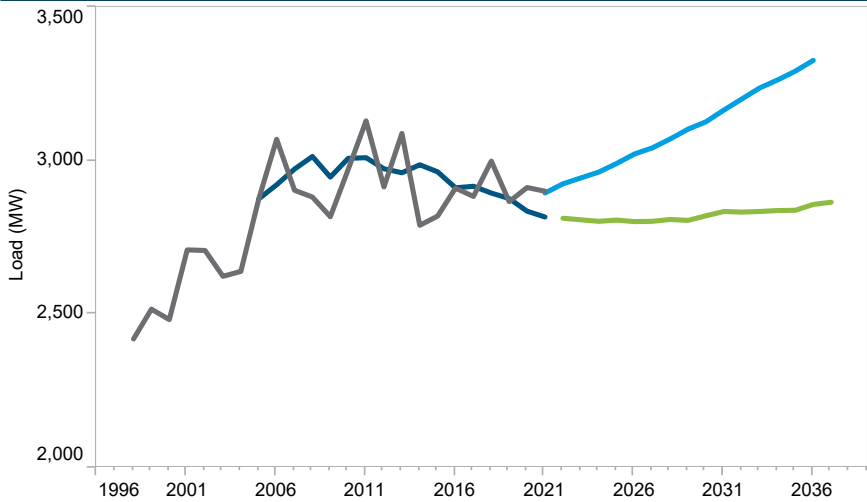


- Montgomery County-Bucks County-Chester County, PA
- PECO - Non-Metro
- Philadelphia, PA

- Peak
- WN peak
- Forecast 2021
- Forecast 2022

Pennsylvania Electric Company (PENLC)

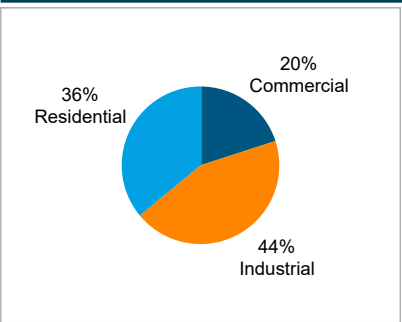
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	698
Heating Degree Days	4,636
Temperature-Humidity Index	81.7
Wind-Adjusted Temperature	8.1

RCI Makeup



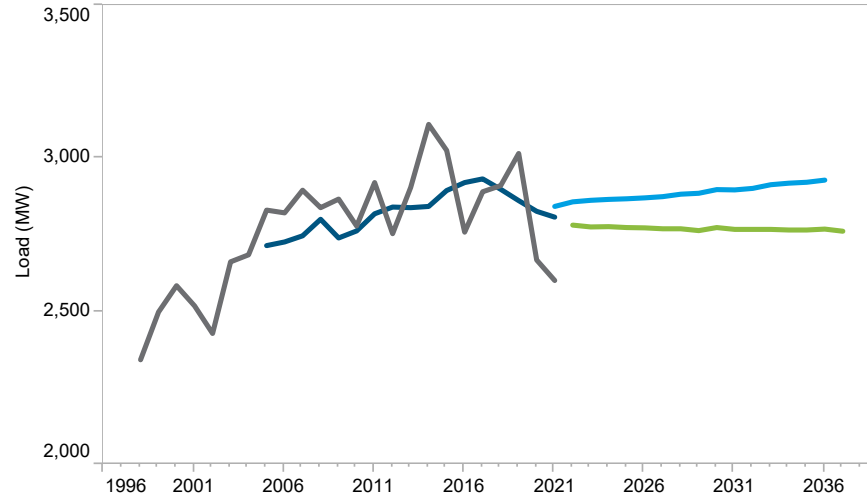
Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	-0.1%	0.0%

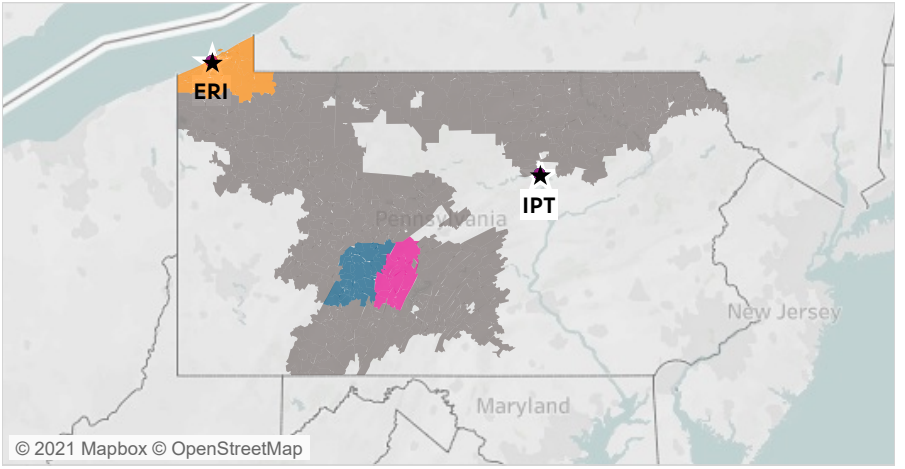
LDAs

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

Winter Peak



Metropolitan Statistical Areas and Weather Stations

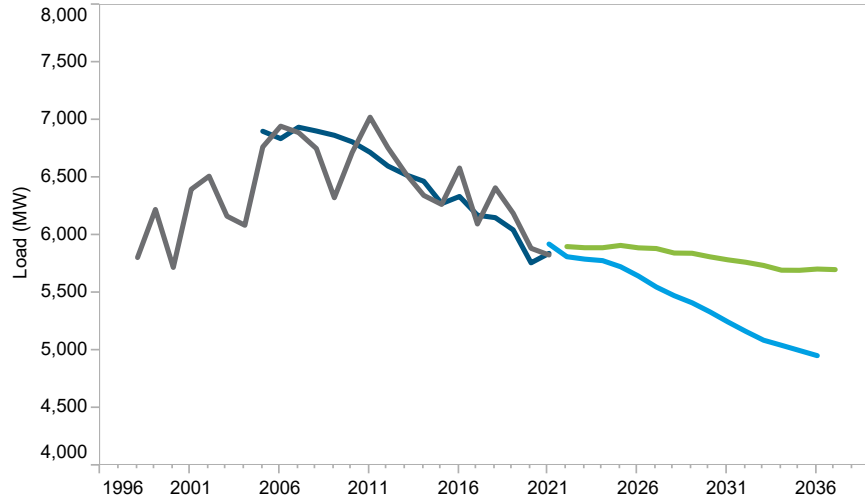


- Altoona, PA
- Erie, PA
- Johnstown, PA
- PENLC - Non-Metro

- Peak
- WN peak
- Forecast 2021
- Forecast 2022

Potomac Electric Power (PEPCO)

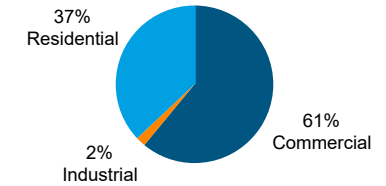
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,533
Heating Degree Days	2,900
Temperature-Humidity Index	85.3
Wind-Adjusted Temperature	17.7

RCI Makeup



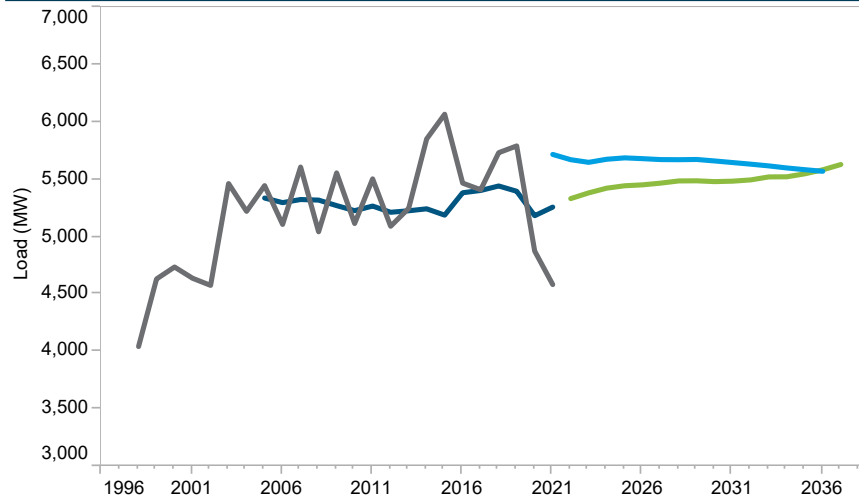
Zonal 10/15 Year Load Growth

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

LDAs

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

Winter Peak



Metropolitan Statistical Areas and Weather Stations

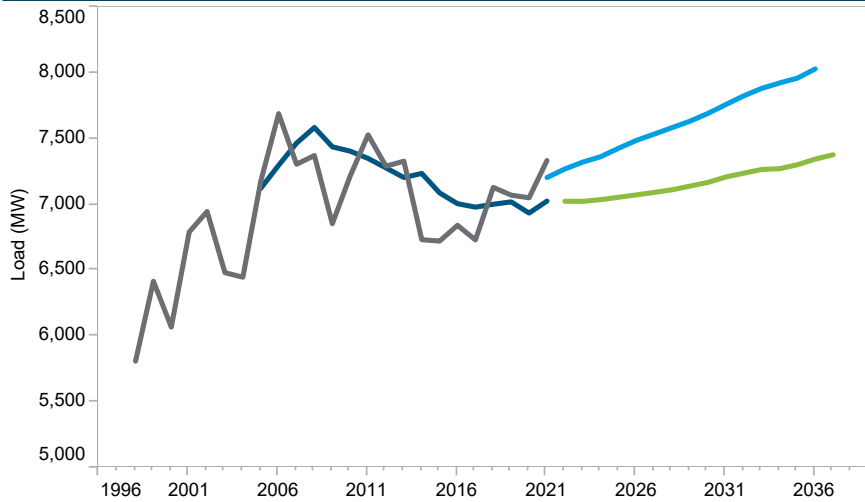


- California-Lexington Park, MD
- PEPCO - Non-Metro
- Washington-Arlington-Alexandria, DC-VA-MD-WV

■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

PPL Electric Utilities (PL)

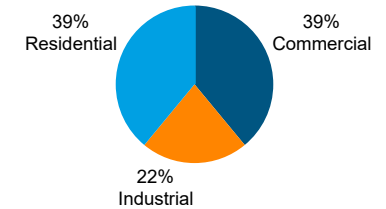
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	830
Heating Degree Days	4,333
Temperature-Humidity Index	82.9
Wind-Adjusted Temperature	9.8

RCI Makeup



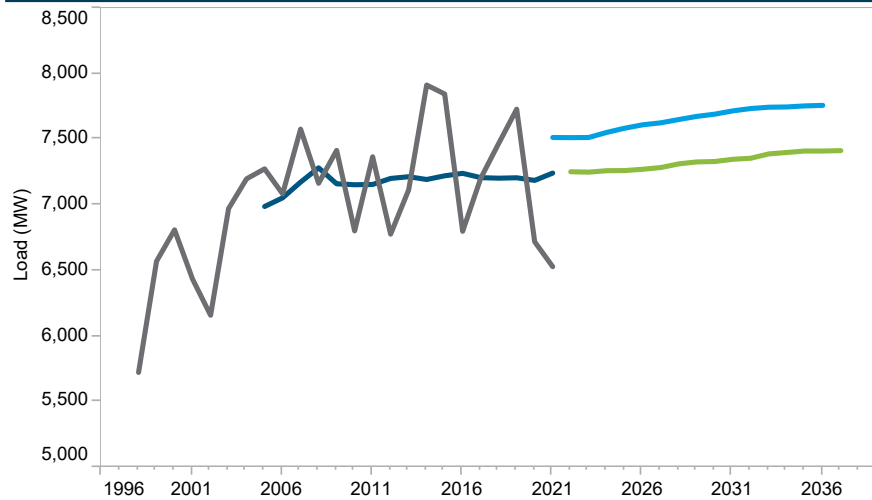
Zonal 10/15 Year Load Growth

SUMMER	0.3%	0.3%
WINTER	0.1%	0.1%

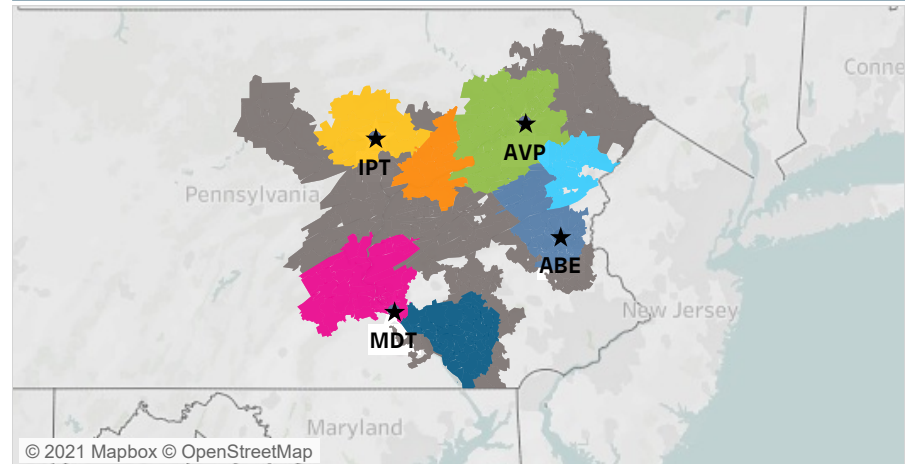
LDAs

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

Winter Peak



Metropolitan Statistical Areas and Weather Stations

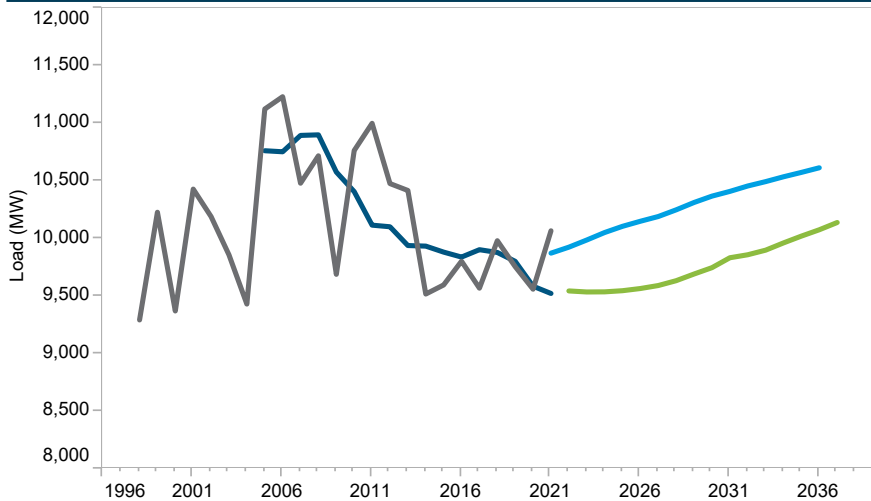


■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

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

Public Service Electric & Gas (PS)

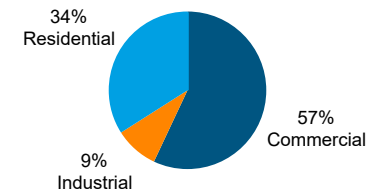
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,242
Heating Degree Days	3,549
Temperature-Humidity Index	84.7
Wind-Adjusted Temperature	11.1

RCI Makeup



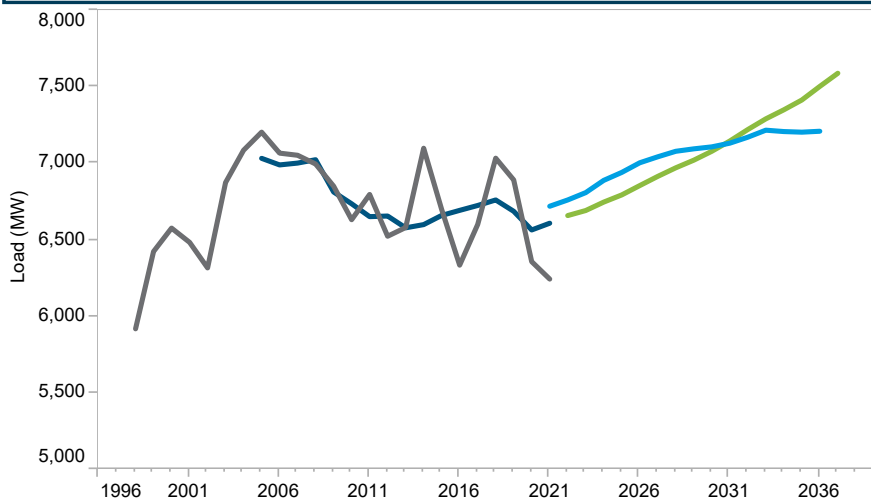
Zonal 10/15 Year Load Growth

SUMMER	0.3%	0.4%
WINTER	0.8%	0.9%

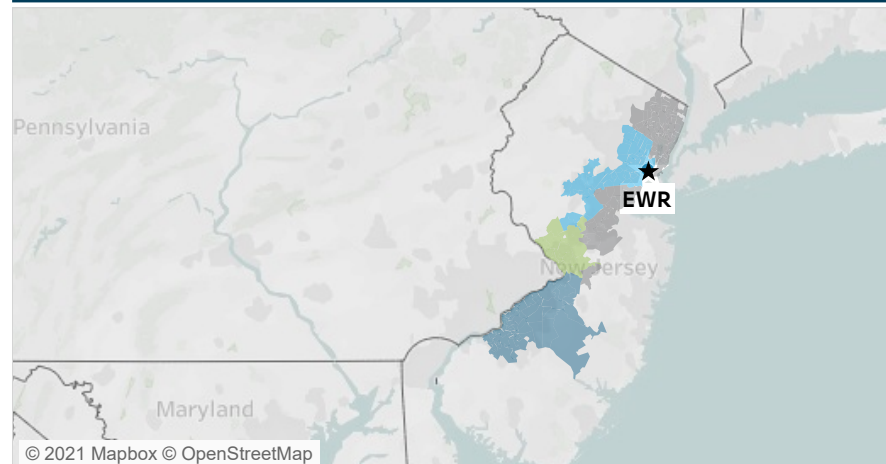
LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations

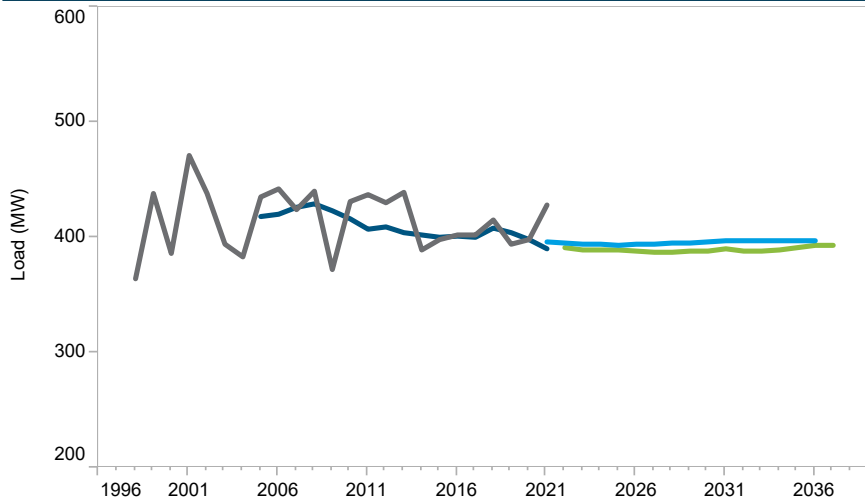


■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

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

Rockland Electric Company (RECO)

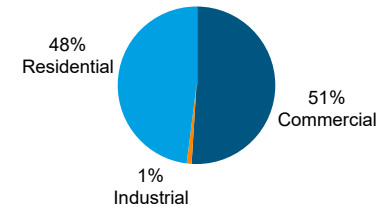
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,242
Heating Degree Days	3,549
Temperature-Humidity Index	84.7
Wind-Adjusted Temperature	11.1

RCI Makeup



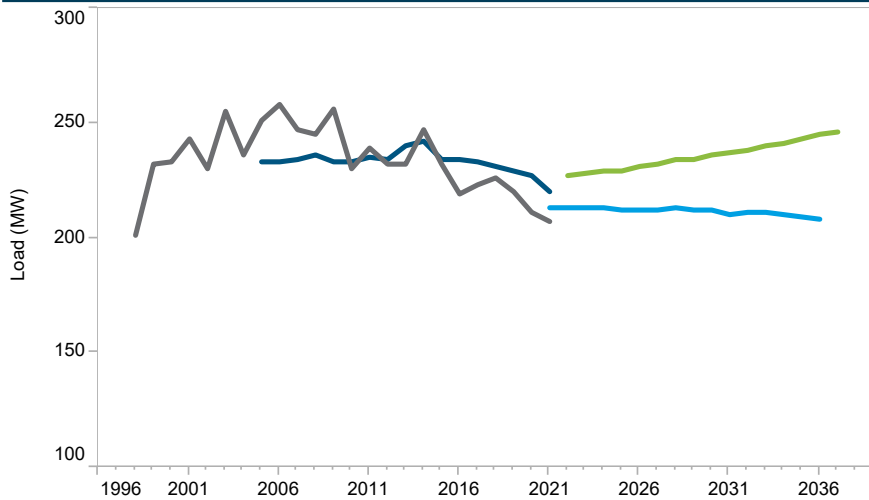
Zonal 10/15 Year Load Growth

SUMMER	-0.1%	0.0%
WINTER	0.5%	0.5%

LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

Winter Peak



Metropolitan Statistical Areas and Weather Stations

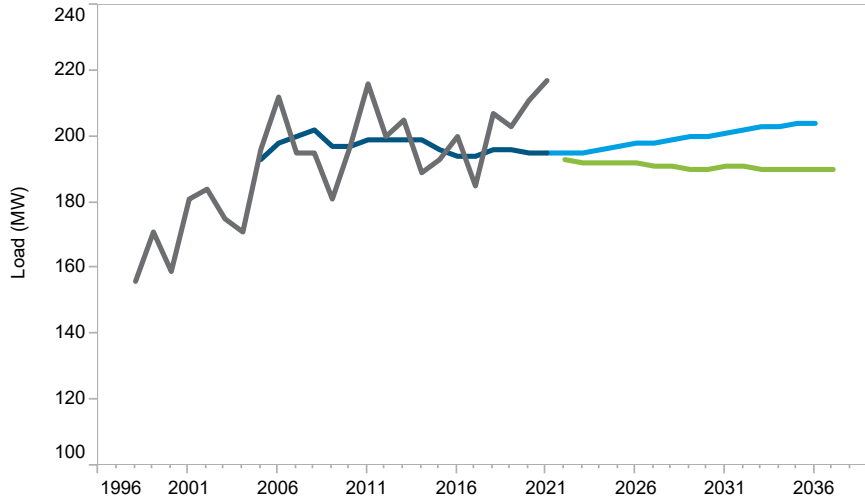


- New York-Jersey City-White Plains, NY-NJ
- Newark, NJ-PA

■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

UGI Energy Services (UGI)

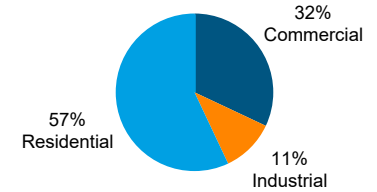
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	661
Heating Degree Days	4,689
Temperature-Humidity Index	82.2
Wind-Adjusted Temperature	6.4

RCI Makeup



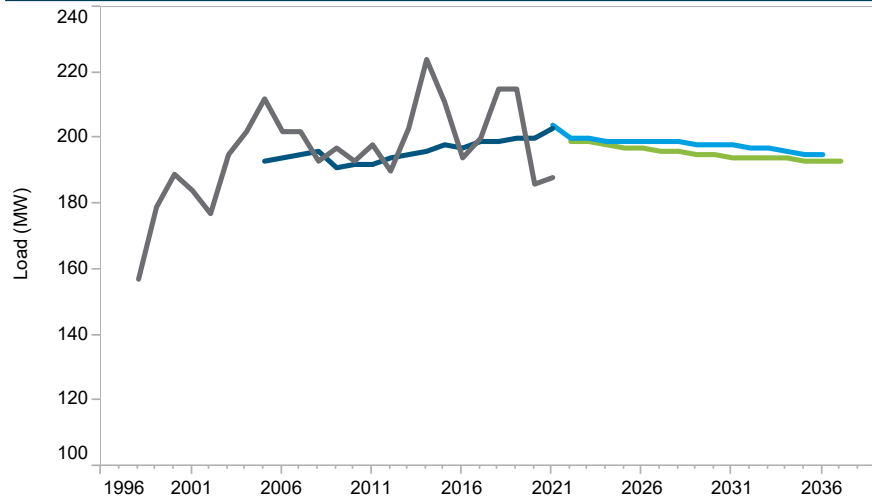
Zonal 10/15 Year Load Growth

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

LDAs

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

Winter Peak



Metropolitan Statistical Areas and Weather Stations

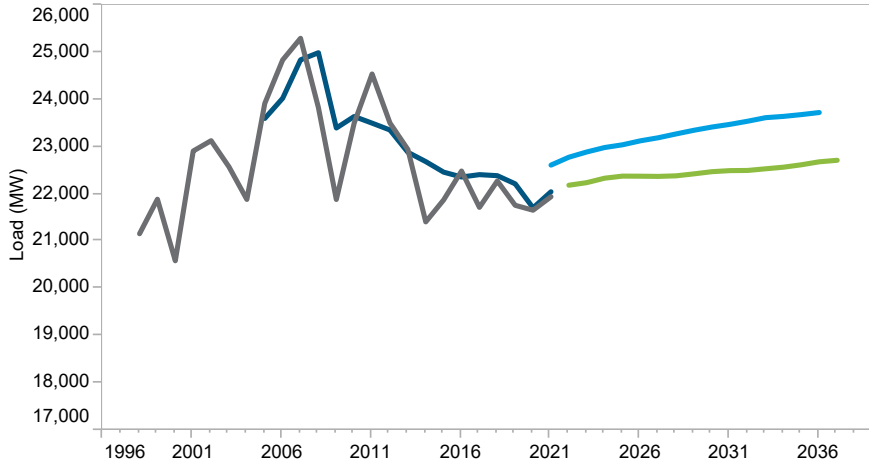


Scranton--Wilkes-Barre--Hazleton, PA

■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

American Electric Power (AEP)

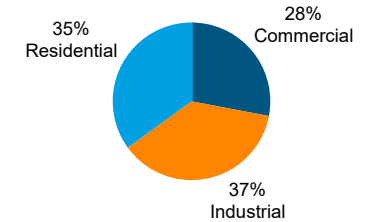
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	927
Heating Degree Days	3,939
Temperature-Humidity Index	82.2
Wind-Adjusted Temperature	9.2

RCI Makeup



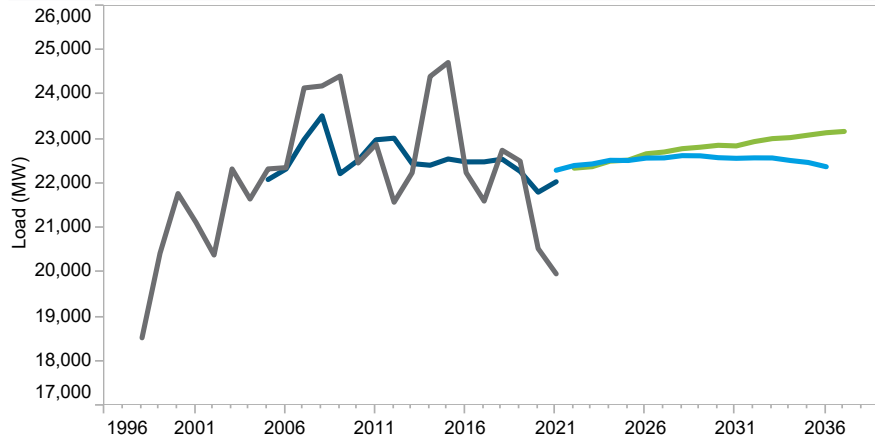
Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.2%
WINTER	0.3%	0.2%

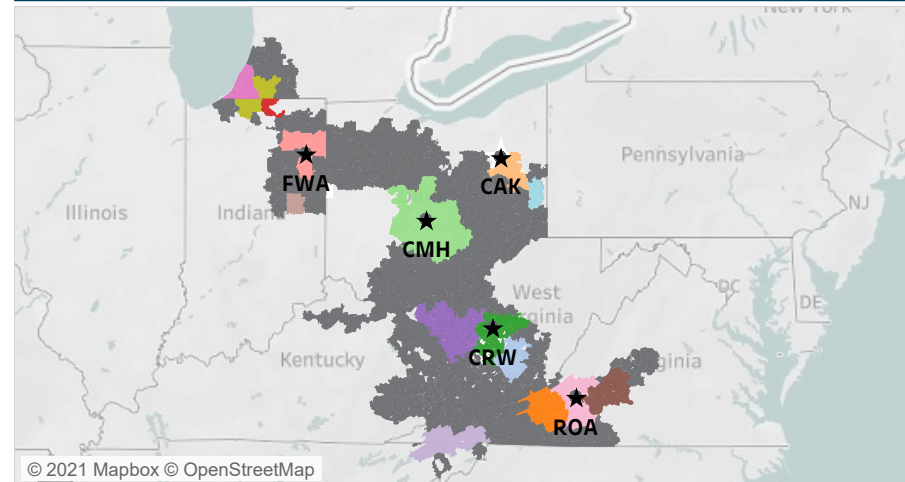
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations

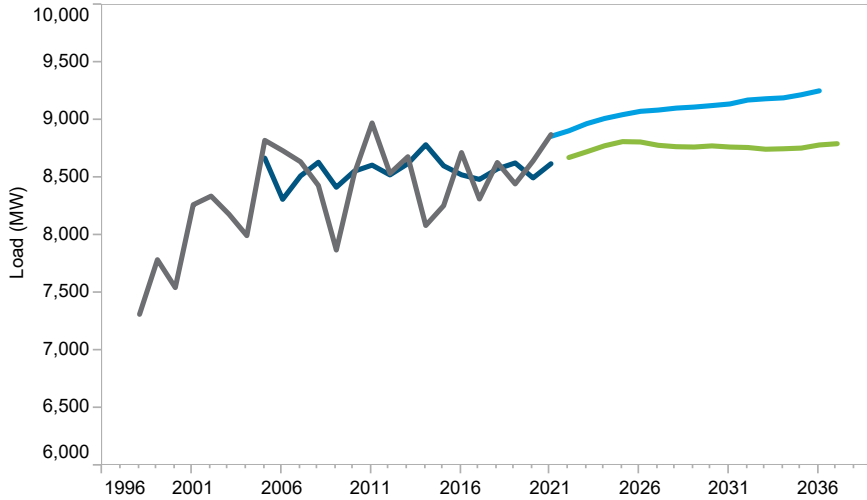


© 2021 Mapbox © OpenStreetMap

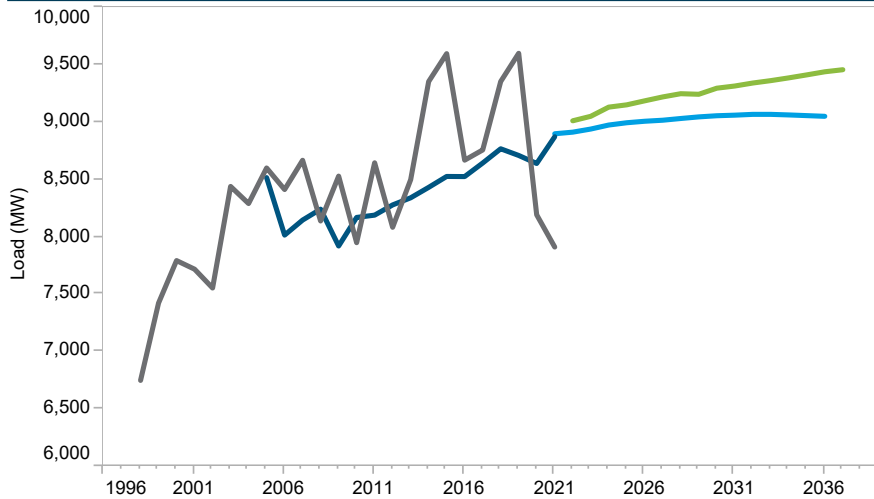
- Peak
- AEP - Non-Metro
- Columbus, OH
- Lynchburg, VA
- Weirton-Steubenville, WV-OH
- WN peak
- Beckley, WV
- Elkhart-Goshen, IN
- Muncie, IN
- Fort Wayne, IN
- Blacksburg-Christiansburg-Radford, VA
- Canton-Massillon, OH
- Huntington-Ashland, WV-KY-OH
- Kingsport-Bristol-Bristol, TN-VA
- Roanoke, VA
- South Bend-Mishawaka, IN-MI
- Forecast 2021
- Forecast 2022
- Charleston, WV

Allegheny Power Systems (APS)

Summer Peak



Winter Peak



■ Peak
 ■ WN peak
 ■ Forecast 2021
 ■ Forecast 2022

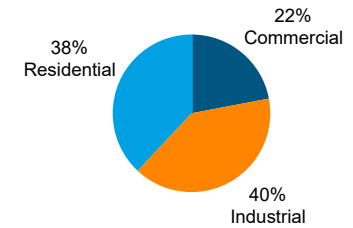
Weather - Annual Average 1994-2020

Cooling Degree Days	889
Heating Degree Days	4,054
Temperature-Humidity Index	82.2
Wind-Adjusted Temperature	8.8

Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.4%	0.3%

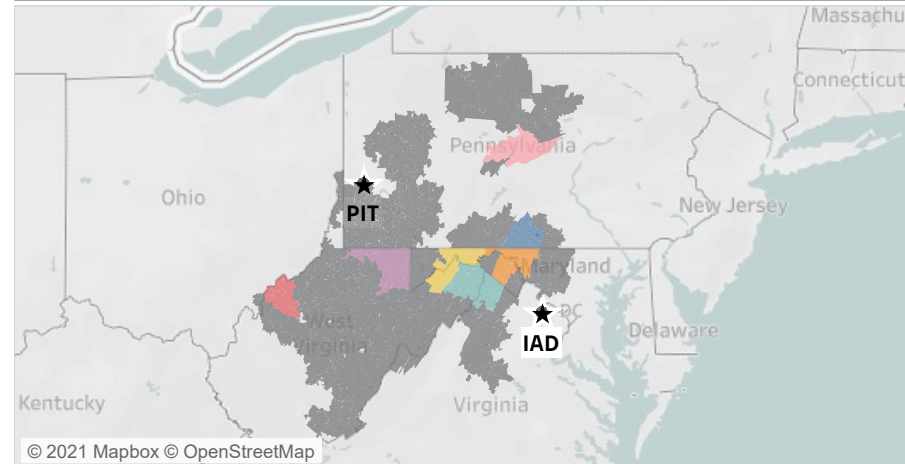
RCI Makeup



LDAs

PJM RTO PJM WESTERN

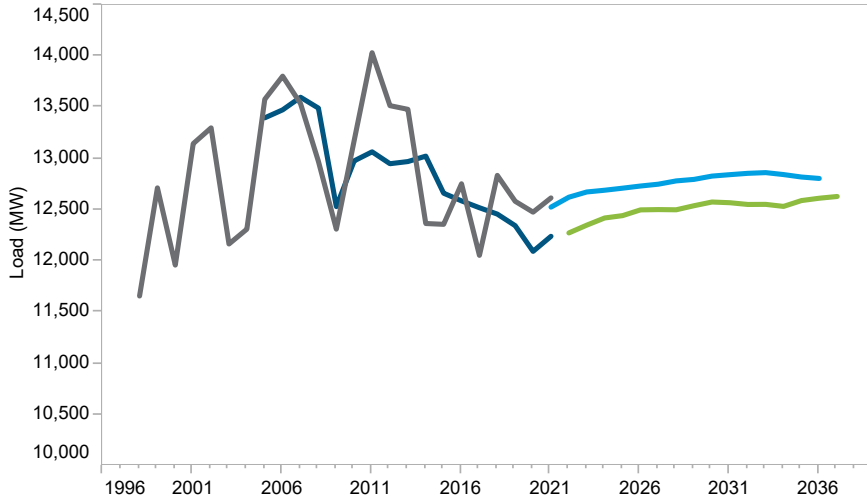
Metropolitan Statistical Areas and Weather Stations



- 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)

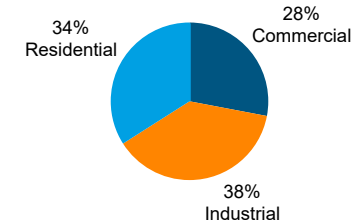
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	774
Heating Degree Days	4,636
Temperature-Humidity Index	81.9
Wind-Adjusted Temperature	4.3

RCI Makeup



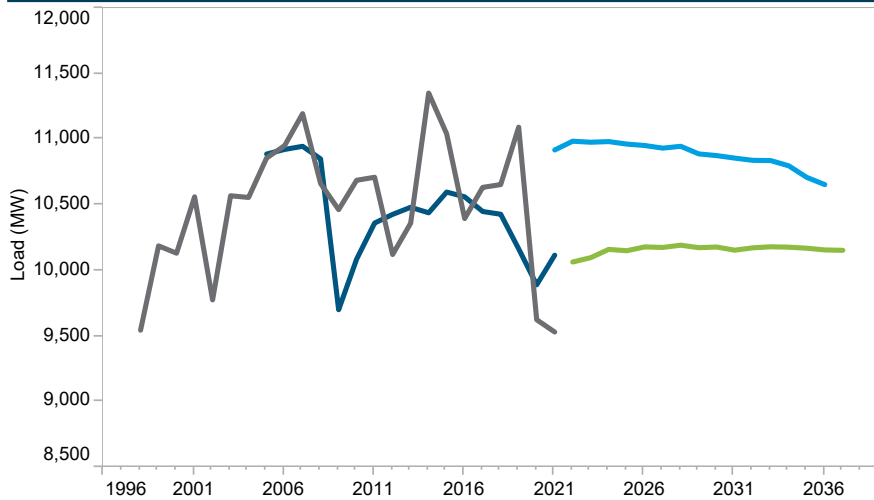
Zonal 10/15 Year Load Growth

SUMMER	0.2%	0.2%
WINTER	0.1%	0.1%

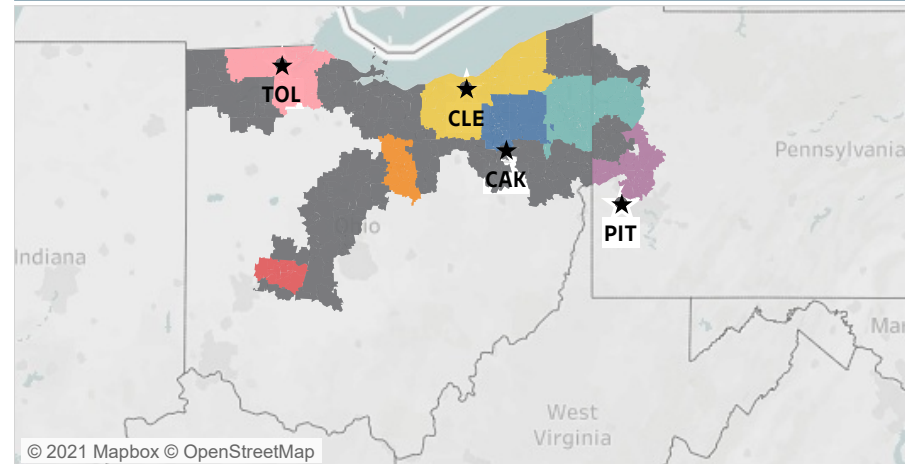
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations



Peak
 WN peak
 Forecast 2021
 Forecast 2022

Akron, OH
 Pittsburgh, PA

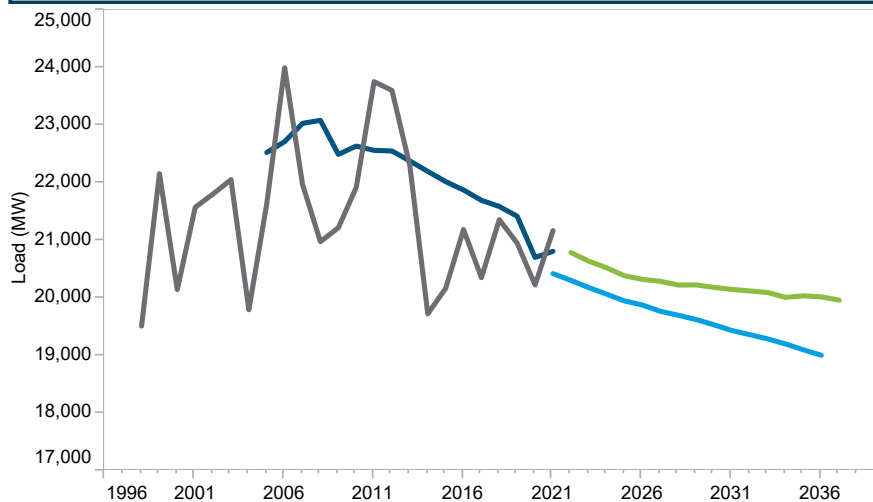
ATSI - Non-Metro
 Springfield, OH

Cleveland-Elyria, OH
 Toledo, OH

Mansfield, OH
 Youngstown-Warren-Boardman, OH-PA

Commonweath Edison (COMED)

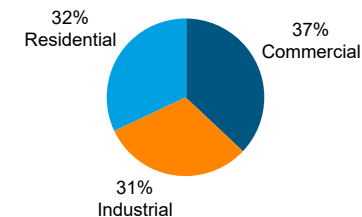
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	927
Heating Degree Days	4,920
Temperature-Humidity Index	84.0
Wind-Adjusted Temperature	-1.2

RCI Makeup



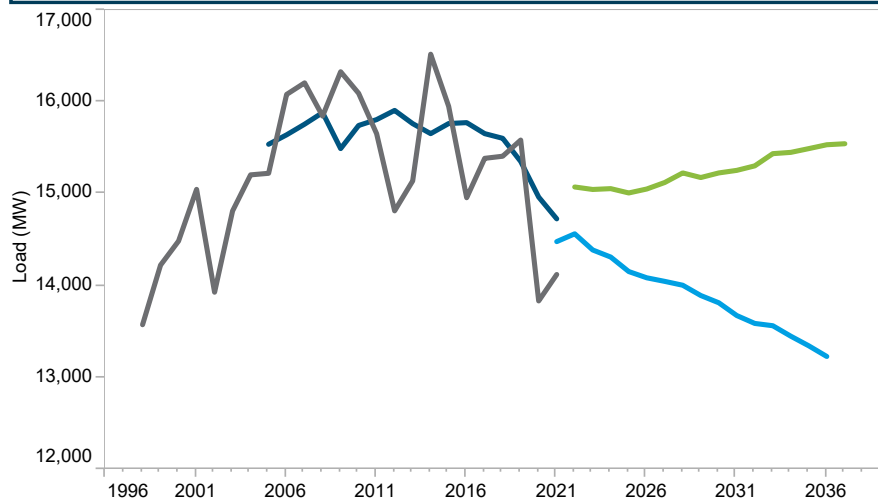
Zonal 10/15 Year Load Growth

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

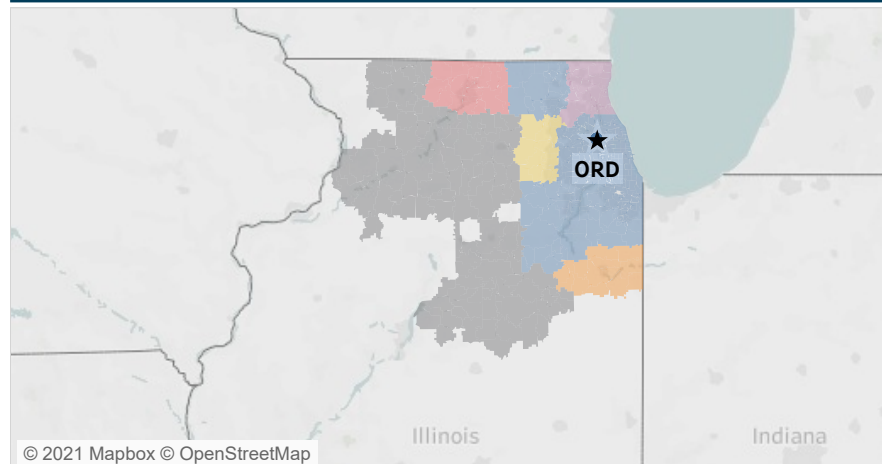
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations

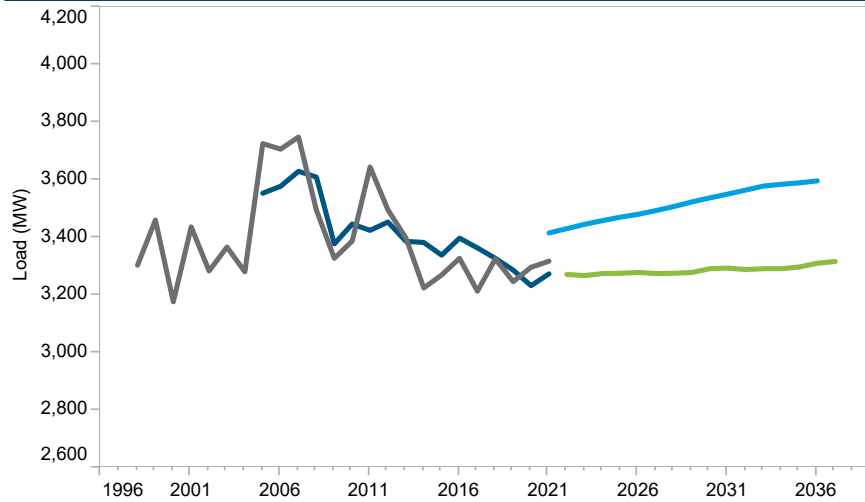


- Chicago-Naperville-Arlington Heights, IL
- Chicago-Naperville-Elgin, IL-IN-WI
- COMED - Non-Metro
- Kankakee, IL
- Lake County-Kenosha County, IL-WI
- Rockford, IL

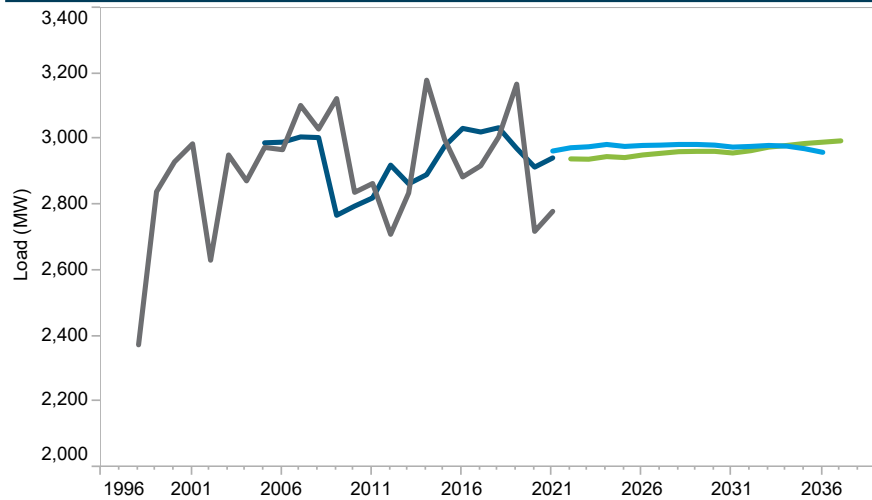
■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

Dayton Power and Light (DAYTON)

Summer Peak



Winter Peak



■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

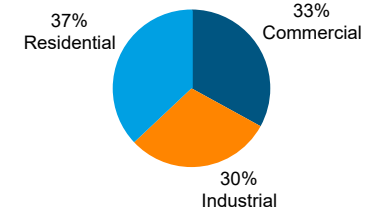
Weather - Annual Average 1994-2020

Cooling Degree Days	951
Heating Degree Days	4,308
Temperature-Humidity Index	83.1
Wind-Adjusted Temperature	3.4

Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.1%	0.1%

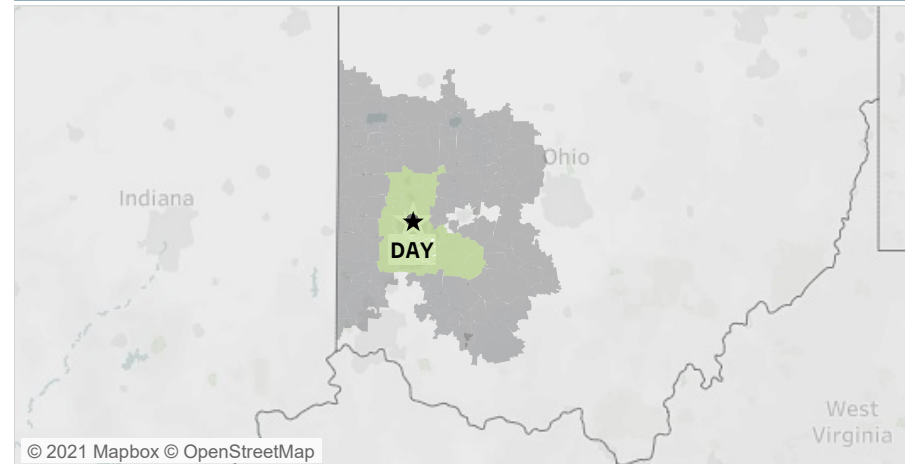
RCI Makeup



LDAs

PJM RTO PJM WESTERN

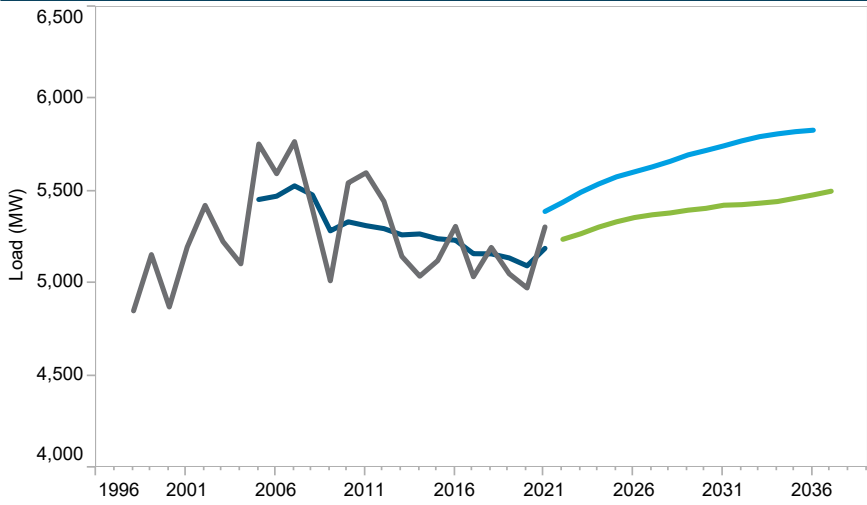
Metropolitan Statistical Areas and Weather Stations



■ DAY - Non-Metro
■ Dayton, OH

Duke Energy Ohio and Kentucky (DEOK)

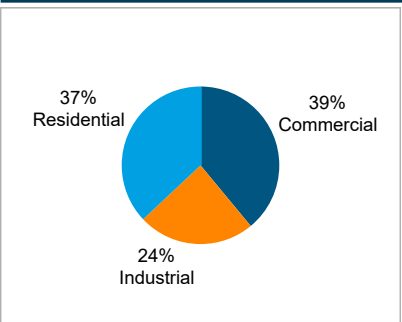
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	1,099
Heating Degree Days	3,792
Temperature-Humidity Index	83.8
Wind-Adjusted Temperature	8.2

RCI Makeup



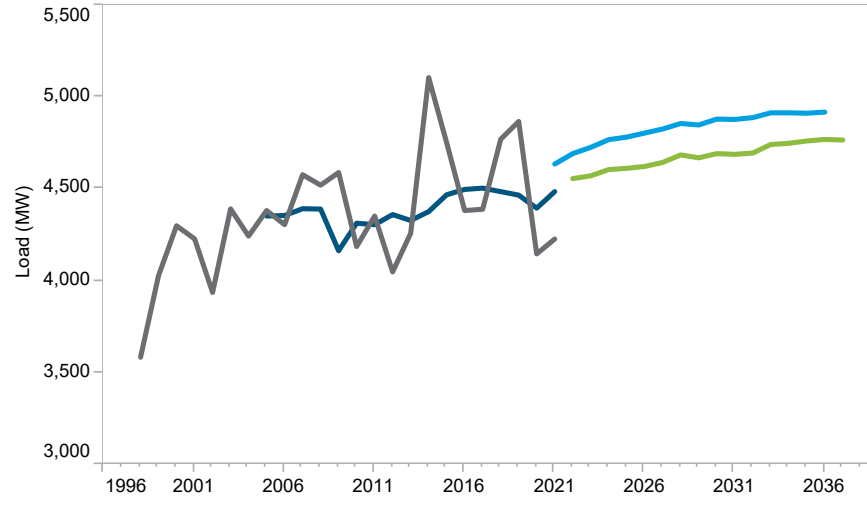
Zonal 10/15 Year Load Growth

SUMMER	0.4%	0.3%
WINTER	0.3%	0.3%

LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations

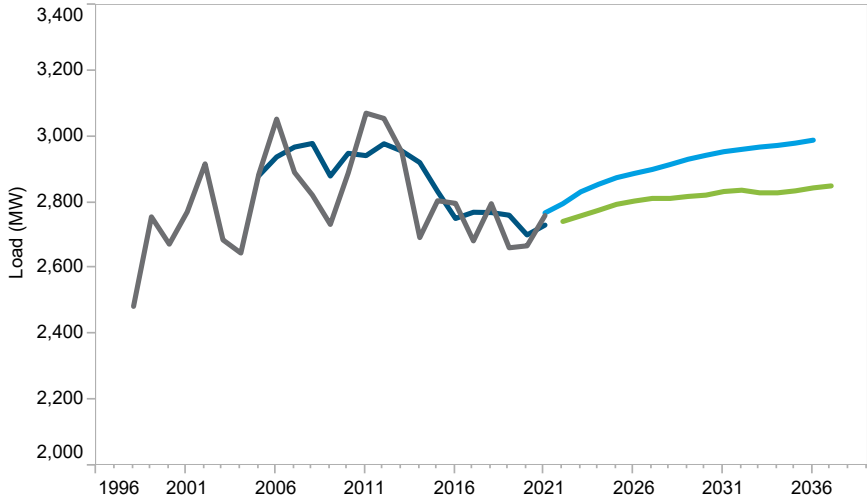


■ Cincinnati, OH-KY-IN
■ DEOK - Non-Metro

■ Peak
 ■ WN peak
 ■ Forecast 2021
 ■ Forecast 2022

Duquesne Light Company (DLCO)

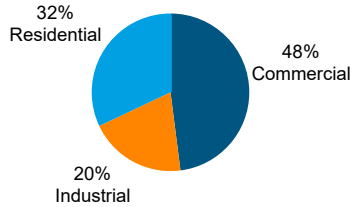
Summer Peak



Weather - Annual Average 1994-2020

Cooling Degree Days	787
Heating Degree Days	4,347
Temperature-Humidity Index	81.9
Wind-Adjusted Temperature	5.4

RCI Makeup



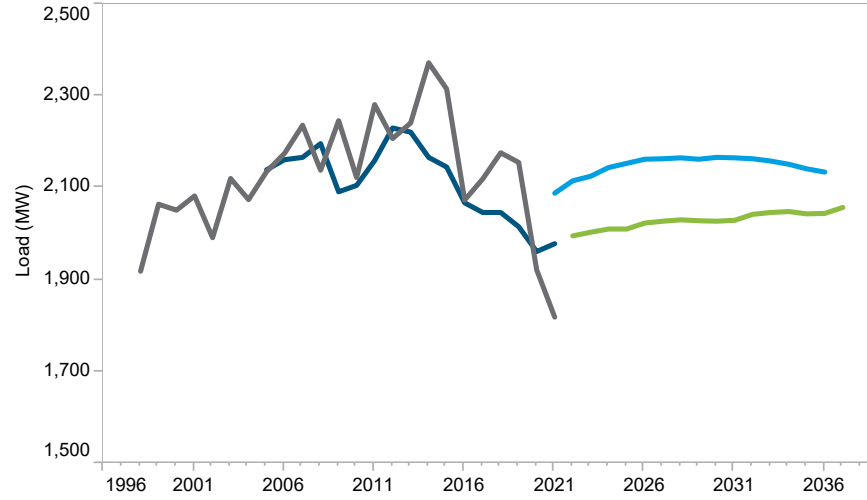
Zonal 10/15 Year Load Growth

SUMMER	0.3%	0.3%
WINTER	0.2%	0.2%

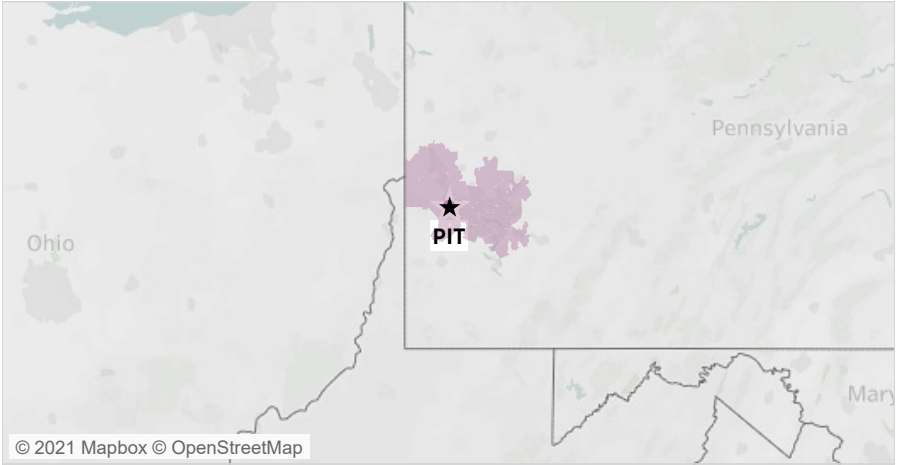
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations

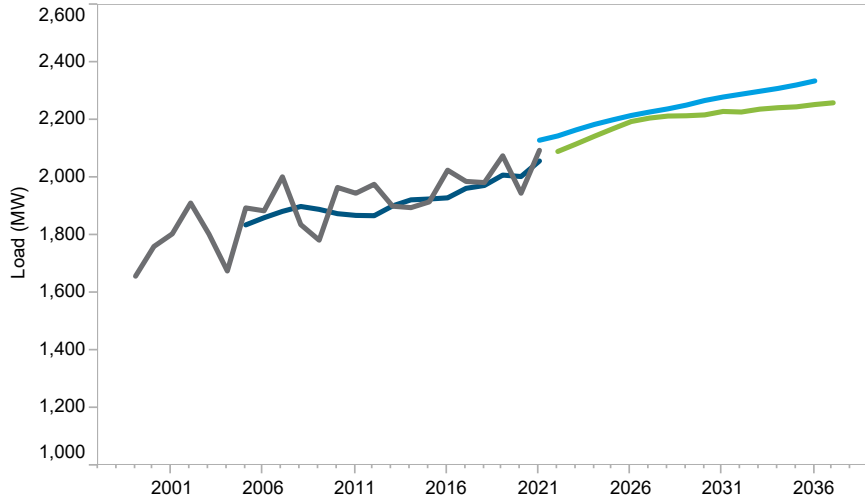


Pittsburgh, PA

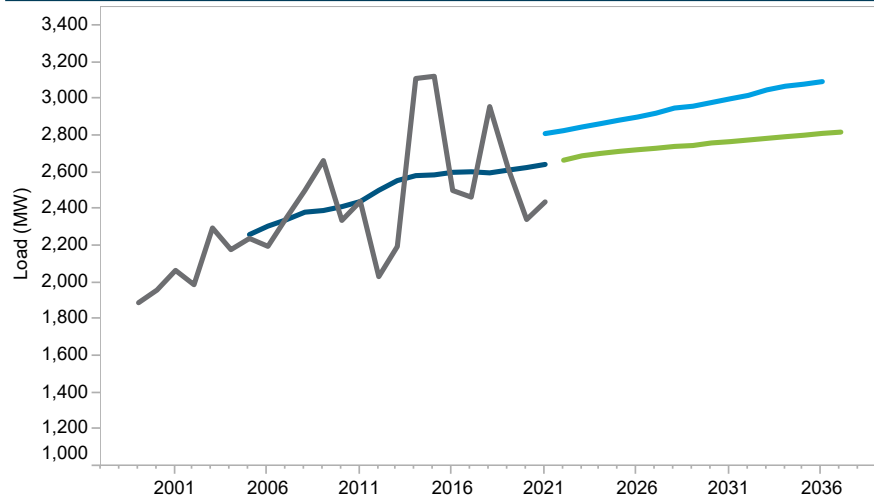
■ Peak ■ WN peak ■ Forecast 2021 ■ Forecast 2022

East Kentucky Power Cooperative (EKPC)

Summer Peak



Winter Peak



Peak
 WN peak
 Forecast 2021
 Forecast 2022

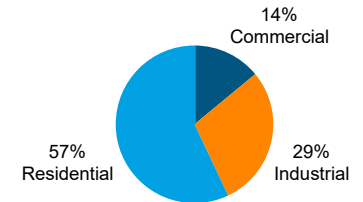
Weather - Annual Average 1994-2020

Cooling Degree Days	1,243
Heating Degree Days	3,433
Temperature-Humidity Index	83.9
Wind-Adjusted Temperature	11.0

Zonal 10/15 Year Load Growth

SUMMER	0.6%	0.5%
WINTER	0.4%	0.4%

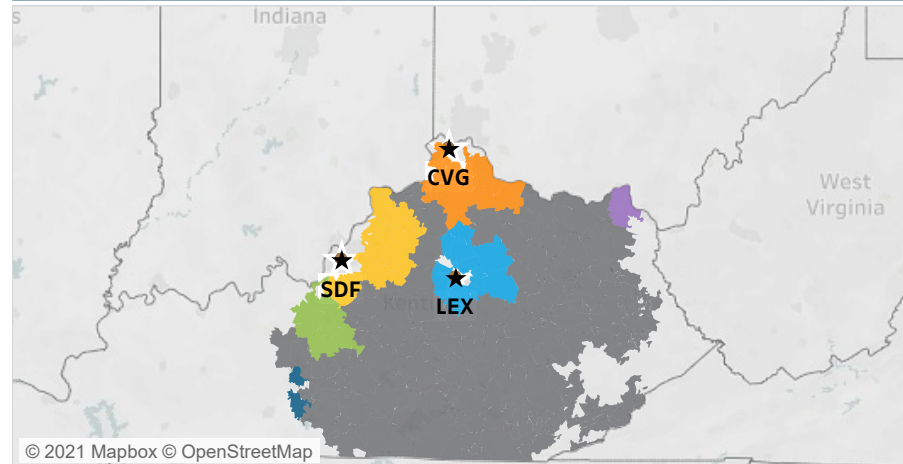
RCI Makeup



LDAs

PJM RTO PJM WESTERN

Metropolitan Statistical Areas and Weather Stations

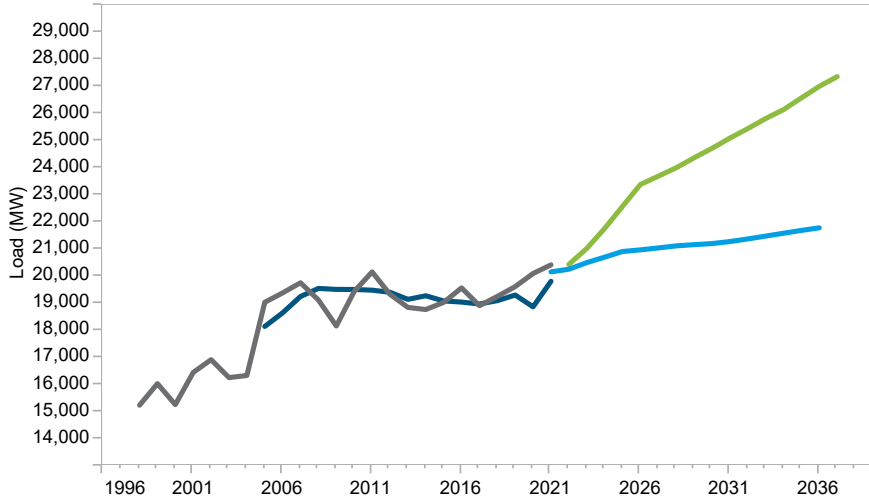


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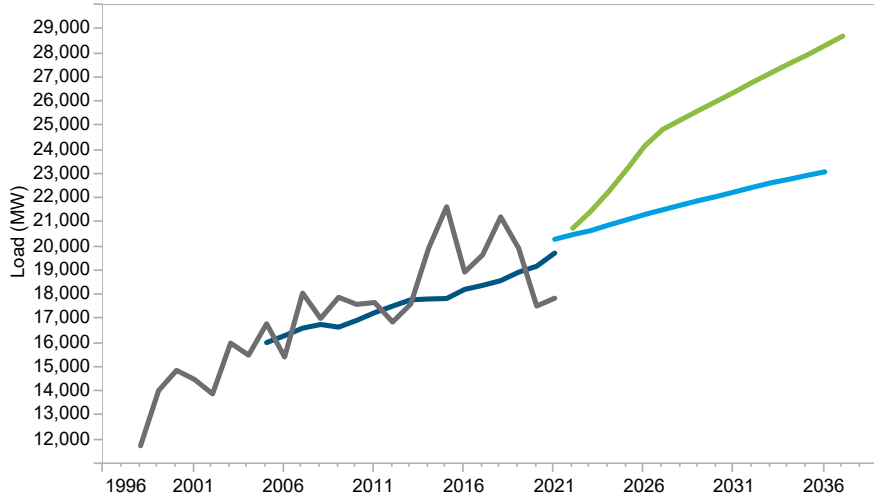
- Bowling Green, KY
- Cincinnati, OH-KY-IN
- EKPC - Non-Metro
- Elizabethtown-Fort Knox, KY
- Huntington-Ashland, WV-KY-OH
- Lexington-Fayette, KY
- Louisville/Jefferson County, KY-IN

Dominion (DOM)

Summer Peak



Winter Peak

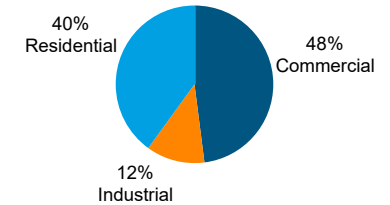


■ Peak
 ■ WN peak
 ■ Forecast 2021
 ■ Forecast 2022

Weather - Annual Average 1994-2020

Cooling Degree Days	1,403
Heating Degree Days	2,749
Temperature-Humidity Index	84.7
Wind-Adjusted Temperature	20.5

RCI Makeup



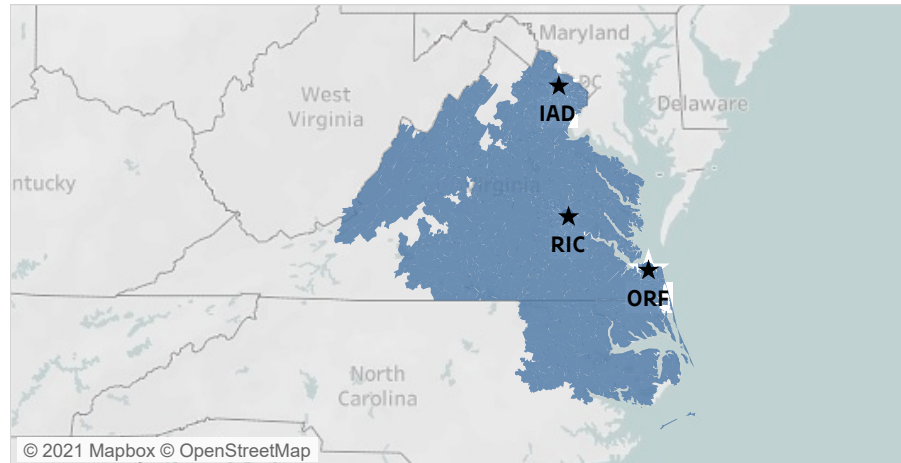
Zonal 10/15 Year Load Growth

SUMMER	2.2%	2.0%
WINTER	2.6%	2.2%

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 2021 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	2022		2027		2032	
	MW	%	MW	%	MW	%
AE	(4)	-0.2%	(57)	-2.2%	(81)	-3.1%
BGE	(192)	-2.9%	(282)	-4.2%	(285)	-4.3%
DPL	(33)	-0.8%	(62)	-1.6%	(97)	-2.5%
JCPL	(60)	-1.0%	(289)	-4.8%	(371)	-5.9%
METED	(151)	-4.9%	(204)	-6.4%	(214)	-6.5%
PECO	(81)	-1.0%	(229)	-2.7%	(224)	-2.6%
PENLC	(112)	-3.8%	(239)	-7.9%	(368)	-11.5%
PEPCO	88	1.5%	334	6.0%	600	11.6%
PL	(245)	-3.4%	(443)	-5.9%	(587)	-7.5%
PS	(380)	-3.8%	(599)	-5.9%	(597)	-5.7%
RECO	(4)	-1.0%	(7)	-1.8%	(9)	-2.3%
UGI	(2)	-1.0%	(7)	-3.5%	(11)	-5.4%
PJM MID-ATLANTIC	(893)	-1.6%	(2,156)	-3.8%	(2,238)	-3.9%
FE-EAST	(418)	-3.6%	(830)	-6.9%	(1,031)	-8.2%
PLGRP	(258)	-3.5%	(467)	-6.0%	(606)	-7.6%

Table A-1

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO
 SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
 TO THE JANUARY 2021 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	2022		2027		2032	
	MW	%	MW	%	MW	%
AEP	(593)	-2.6%	(818)	-3.5%	(1,042)	-4.4%
APS	(232)	-2.6%	(306)	-3.4%	(412)	-4.5%
ATSI	(349)	-2.8%	(248)	-1.9%	(304)	-2.4%
COMED	483	2.4%	520	2.6%	759	3.9%
DAYTON	(159)	-4.6%	(219)	-6.3%	(276)	-7.7%
DEOK	(201)	-3.7%	(260)	-4.6%	(346)	-6.0%
DLCO	(54)	-1.9%	(88)	-3.0%	(124)	-4.2%
EKPC	(54)	-2.5%	(21)	-0.9%	(62)	-2.7%
OVEC	0	0.0%	0	0.0%	0	0.0%
PJM WESTERN	(590)	-0.8%	(851)	-1.1%	(1,278)	-1.7%
DOM	176	0.9%	2,647	12.6%	4,069	19.0%
PJM RTO	(1,028)	-0.7%	(249)	-0.2%	336	0.2%

Table A-2

PJM MID-ATLANTIC REGION
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
TO THE JANUARY 2021 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	21/22		26/27		31/32	
	MW	%	MW	%	MW	%
AE	69	4.5%	72	4.5%	98	6.1%
BGE	(276)	-4.6%	(269)	-4.3%	(230)	-3.6%
DPL	(295)	-7.6%	(302)	-7.5%	(309)	-7.4%
JCPL	17	0.5%	(47)	-1.2%	(24)	-0.6%
METED	(106)	-3.9%	(159)	-5.8%	(181)	-6.4%
PECO	(47)	-0.7%	(44)	-0.7%	(12)	-0.2%
PENLC	(76)	-2.7%	(105)	-3.7%	(134)	-4.6%
PEPCO	(339)	-6.0%	(205)	-3.6%	(137)	-2.4%
PL	(260)	-3.5%	(341)	-4.5%	(379)	-4.9%
PS	(102)	-1.5%	(128)	-1.8%	50	0.7%
RECO	14	6.6%	20	9.4%	27	12.8%
UGI	(1)	-0.5%	(3)	-1.5%	(3)	-1.5%
PJM MID-ATLANTIC	(726)	-1.6%	(963)	-2.0%	(722)	-1.5%
FE-EAST	(108)	-1.2%	(240)	-2.6%	(297)	-3.1%
PLGRP	(257)	-3.3%	(339)	-4.3%	(380)	-4.8%

Table A-2

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
TO THE JANUARY 2021 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	21/22		26/27		31/32	
	MW	%	MW	%	MW	%
AEP	(60)	-0.3%	133	0.6%	366	1.6%
APS	99	1.1%	203	2.3%	273	3.0%
ATSI	(921)	-8.4%	(757)	-6.9%	(667)	-6.2%
COMED	510	3.5%	1,077	7.7%	1,716	12.6%
DAYTON	(34)	-1.1%	(25)	-0.8%	(13)	-0.4%
DEOK	(136)	-2.9%	(182)	-3.8%	(193)	-3.9%
DLCO	(120)	-5.7%	(136)	-6.3%	(121)	-5.6%
EKPC	(161)	-5.7%	(191)	-6.5%	(243)	-8.0%
OVEC	(5)	-4.2%	(5)	-4.2%	(5)	-4.2%
PJM WESTERN	(639)	-0.9%	238	0.3%	1,094	1.6%
DOM	263	1.3%	3,327	15.5%	4,351	19.4%
PJM RTO	(530)	-0.4%	3,144	2.3%	5,717	4.2%

Table B-1

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2022 - 2032

	METERED 2021	UNRESTRICTED 2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Annual Growth Rate (10 yr)
AE	2,631	2,631	2,488	2,490	2,493	2,479	2,478	2,484	2,503	2,511	2,527	2,528	2,541	0.2%
				0.1%	0.1%	-0.6%	-0.0%	0.2%	0.8%	0.3%	0.6%	0.0%	0.5%	
BGE	6,486	6,486	6,414	6,391	6,389	6,390	6,401	6,398	6,391	6,404	6,399	6,384	6,350	(0.1%)
				-0.4%	-0.0%	0.0%	0.2%	-0.0%	-0.1%	0.2%	-0.1%	-0.2%	-0.5%	
DPL	4,007	4,007	3,873	3,882	3,893	3,899	3,902	3,907	3,917	3,924	3,922	3,893	3,854	(0.0%)
				0.2%	0.3%	0.2%	0.1%	0.1%	0.3%	0.2%	-0.1%	-0.7%	-1.0%	
JCPL	6,170	6,170	5,831	5,799	5,771	5,772	5,771	5,748	5,762	5,789	5,810	5,847	5,868	0.1%
				-0.5%	-0.5%	0.0%	-0.0%	-0.4%	0.2%	0.5%	0.4%	0.6%	0.4%	
METED	3,072	3,072	2,934	2,934	2,942	2,950	2,966	2,979	2,988	3,003	3,024	3,042	3,060	0.4%
				0.0%	0.3%	0.3%	0.5%	0.4%	0.3%	0.5%	0.7%	0.6%	0.6%	
PECO	8,480	8,480	8,370	8,386	8,419	8,414	8,411	8,385	8,390	8,417	8,461	8,484	8,471	0.1%
				0.2%	0.4%	-0.1%	-0.0%	-0.3%	0.1%	0.3%	0.5%	0.3%	-0.2%	
PENLC	2,900	2,900	2,812	2,807	2,802	2,806	2,801	2,802	2,808	2,805	2,820	2,834	2,832	0.1%
				-0.2%	-0.2%	0.1%	-0.2%	0.0%	0.2%	-0.1%	0.5%	0.5%	-0.1%	
PEPCO	5,829	5,829	5,902	5,892	5,892	5,912	5,891	5,885	5,846	5,844	5,813	5,787	5,766	(0.2%)
				-0.2%	0.0%	0.3%	-0.4%	-0.1%	-0.7%	-0.0%	-0.5%	-0.4%	-0.4%	
PL	7,314	7,333	7,024	7,023	7,036	7,054	7,072	7,091	7,111	7,139	7,167	7,208	7,237	0.3%
				-0.0%	0.2%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.6%	0.4%	
PS	10,065	10,065	9,543	9,534	9,535	9,545	9,564	9,590	9,632	9,690	9,745	9,831	9,857	0.3%
				-0.1%	0.0%	0.1%	0.2%	0.3%	0.4%	0.6%	0.6%	0.9%	0.3%	
RECO	428	428	391	389	389	389	388	387	387	388	388	390	388	(0.1%)
				-0.5%	0.0%	0.0%	-0.3%	-0.3%	0.0%	0.3%	0.0%	0.5%	-0.5%	
UGI	217	217	193	192	192	192	192	191	191	190	190	191	191	(0.1%)
				-0.5%	0.0%	0.0%	0.0%	-0.5%	0.0%	-0.5%	0.0%	0.5%	0.0%	
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	56,514	56,539	55,146	55,072	55,007	55,016	55,045	55,053	55,174	55,383	55,457	55,513	55,540	0.1%
			629	647	746	786	792	794	752	721	809	906	875	
				-0.1%	-0.1%	0.0%	0.1%	0.0%	0.2%	0.4%	0.1%	0.1%	0.0%	
FE-EAST	11,925	11,925	11,334	11,296	11,255	11,239	11,251	11,270	11,305	11,341	11,369	11,440	11,504	0.1%
				-0.3%	-0.4%	-0.1%	0.1%	0.2%	0.3%	0.3%	0.2%	0.6%	0.6%	
PLGRP	7,523	7,541	7,204	7,202	7,217	7,228	7,243	7,264	7,280	7,311	7,340	7,376	7,418	0.3%
				-0.0%	0.2%	0.2%	0.2%	0.3%	0.2%	0.4%	0.4%	0.5%	0.6%	

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 (2022).

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
2033 - 2037

	2033	2034	2035	2036	2037	Annual Growth Rate (15 yr)
AE	2,552	2,568	2,586	2,589	2,597	0.3%
	0.4%	0.6%	0.7%	0.1%	0.3%	
BGE	6,320	6,313	6,313	6,341	6,351	(0.1%)
	-0.5%	-0.1%	0.0%	0.4%	0.2%	
DPL	3,828	3,809	3,802	3,803	3,809	(0.1%)
	-0.7%	-0.5%	-0.2%	0.0%	0.2%	
JCPL	5,892	5,923	5,954	5,988	6,017	0.2%
	0.4%	0.5%	0.5%	0.6%	0.5%	
METED	3,078	3,087	3,103	3,127	3,151	0.5%
	0.6%	0.3%	0.5%	0.8%	0.8%	
PECO	8,477	8,492	8,516	8,560	8,584	0.2%
	0.1%	0.2%	0.3%	0.5%	0.3%	
PENLC	2,834	2,837	2,838	2,857	2,864	0.1%
	0.1%	0.1%	0.0%	0.7%	0.2%	
PEPCO	5,738	5,697	5,696	5,707	5,702	(0.2%)
	-0.5%	-0.7%	-0.0%	0.2%	-0.1%	
PL	7,265	7,271	7,301	7,344	7,377	0.3%
	0.4%	0.1%	0.4%	0.6%	0.4%	
PS	9,897	9,960	10,019	10,074	10,137	0.4%
	0.4%	0.6%	0.6%	0.5%	0.6%	
RECO	388	389	391	393	393	0.0%
	0.0%	0.3%	0.5%	0.5%	0.0%	
UGI	190	190	190	190	190	(0.1%)
	-0.5%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - MID-ATLANTIC(-)	857	844	896	1,137	1,067	
PJM MID-ATLANTIC	55,602	55,692	55,813	55,836	56,105	0.1%
	0.1%	0.2%	0.2%	0.0%	0.5%	
FE-EAST	11,535	11,583	11,633	11,696	11,750	0.2%
	0.3%	0.4%	0.4%	0.5%	0.5%	
PLGRP	7,432	7,447	7,472	7,504	7,557	0.3%
	0.2%	0.2%	0.3%	0.4%	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 (2022).

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
2022 - 2032

	METERED 2021	UNRESTRICTED 2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Annual Growth Rate (10 yr)
AEP	21,939	21,939	22,183	22,238	22,332	22,376	22,374	22,370	22,382	22,424	22,470	22,492	22,496	0.1%
				0.2%	0.4%	0.2%	-0.0%	-0.0%	0.1%	0.2%	0.2%	0.1%	0.0%	
APS	8,866	8,874	8,675	8,725	8,777	8,813	8,810	8,781	8,769	8,766	8,776	8,766	8,762	0.1%
				0.6%	0.6%	0.4%	-0.0%	-0.3%	-0.1%	-0.0%	0.1%	-0.1%	-0.0%	
ATSI	12,605	12,615	12,273	12,349	12,419	12,442	12,498	12,501	12,499	12,539	12,575	12,568	12,551	0.2%
				0.6%	0.6%	0.2%	0.5%	0.0%	-0.0%	0.3%	0.3%	-0.1%	-0.1%	
COMED	21,168	21,168	20,787	20,638	20,522	20,384	20,321	20,287	20,223	20,225	20,183	20,147	20,121	(0.3%)
				-0.7%	-0.6%	-0.7%	-0.3%	-0.2%	-0.3%	0.0%	-0.2%	-0.2%	-0.1%	
DAYTON	3,317	3,317	3,271	3,267	3,274	3,275	3,278	3,274	3,275	3,278	3,291	3,293	3,288	0.1%
				-0.1%	0.2%	0.0%	0.1%	-0.1%	0.0%	0.1%	0.4%	0.1%	-0.2%	
DEOK	5,306	5,306	5,239	5,269	5,305	5,334	5,357	5,372	5,382	5,397	5,407	5,424	5,427	0.4%
				0.6%	0.7%	0.5%	0.4%	0.3%	0.2%	0.3%	0.2%	0.3%	0.1%	
DLCO	2,760	2,760	2,742	2,759	2,776	2,794	2,804	2,812	2,812	2,818	2,822	2,833	2,837	0.3%
				0.6%	0.6%	0.6%	0.4%	0.3%	0.0%	0.2%	0.1%	0.4%	0.1%	
EKPC	2,095	2,095	2,091	2,117	2,144	2,170	2,195	2,207	2,214	2,215	2,218	2,230	2,228	0.6%
				1.2%	1.3%	1.2%	1.2%	0.5%	0.3%	0.0%	0.1%	0.5%	-0.1%	
OVEC	81	81	90	90	90	90	90	90	90	90	90	90	90	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	77,226	77,236	1,647 75,704	1,702 75,750	1,609 76,030	1,636 76,042	1,665 76,062	1,716 75,978	1,686 75,960	1,688 76,064	1,695 76,137	1,719 76,124	1,674 76,126	0.1%
				0.1%	0.4%	0.0%	0.0%	-0.1%	-0.0%	0.1%	0.1%	-0.0%	0.0%	
DOM	20,409	20,409	20,424	21,013	21,751	22,568	23,375	23,681	23,990	24,358	24,708	25,085	25,434	2.2%
				2.9%	3.5%	3.8%	3.6%	1.3%	1.3%	1.5%	1.4%	1.5%	1.4%	
DIVERSITY - TOTAL(-) PJM RTO	148,421	148,433	4,612 148,938	4,833 149,351	4,834 150,309	4,883 151,165	4,680 152,259	4,900 152,322	4,873 152,689	4,880 153,334	5,031 153,775	5,072 154,275	5,268 154,381	0.4%
				0.3%	0.6%	0.6%	0.7%	0.0%	0.2%	0.4%	0.3%	0.3%	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 (2022).

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
2033 - 2037

	2033	2034	2035	2036	2037	Annual Growth Rate (15 yr)
AEP	22,531	22,565	22,616	22,679	22,711	0.2%
	0.2%	0.2%	0.2%	0.3%	0.1%	
APS	8,747	8,751	8,757	8,784	8,795	0.1%
	-0.2%	0.0%	0.1%	0.3%	0.1%	
ATSI	12,552	12,532	12,589	12,612	12,629	0.2%
	0.0%	-0.2%	0.5%	0.2%	0.1%	
COMED	20,093	20,009	20,036	20,017	19,960	(0.3%)
	-0.1%	-0.4%	0.1%	-0.1%	-0.3%	
DAYTON	3,291	3,291	3,297	3,310	3,316	0.1%
	0.1%	0.0%	0.2%	0.4%	0.2%	
DEOK	5,435	5,444	5,462	5,480	5,500	0.3%
	0.1%	0.2%	0.3%	0.3%	0.4%	
DLCO	2,829	2,829	2,835	2,844	2,850	0.3%
	-0.3%	0.0%	0.2%	0.3%	0.2%	
EKPC	2,238	2,243	2,246	2,254	2,260	0.5%
	0.4%	0.2%	0.1%	0.4%	0.3%	
OVEC	90	90	90	90	90	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	1,627 76,179	1,621 76,133	1,604 76,324	1,604 76,466	1,618 76,493	0.1%
	0.1%	-0.1%	0.3%	0.2%	0.0%	
DOM	25,807	26,136	26,568	26,994	27,354	2.0%
	1.5%	1.3%	1.7%	1.6%	1.3%	
DIVERSITY - TOTAL(-) PJM RTO	5,305 154,767	5,449 154,977	5,070 156,135	5,337 156,700	4,948 157,689	0.4%
	0.3%	0.1%	0.7%	0.4%	0.6%	

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 (2022).

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
2021/22 - 2031/32

	METERED 20/21	UNRESTRICTED 20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	Annual Growth Rate (10 yr)
AE	1,596	1,596	1,610	1,619	1,624	1,636	1,646	1,656	1,666	1,672	1,687	1,698	1,710	0.6%
				0.6%	0.3%	0.7%	0.6%	0.6%	0.6%	0.4%	0.9%	0.7%	0.7%	
BGE	5,034	5,034	5,780	5,802	5,849	5,880	5,915	5,957	6,000	6,032	6,060	6,095	6,131	0.6%
				0.4%	0.8%	0.5%	0.6%	0.7%	0.7%	0.5%	0.5%	0.6%	0.6%	
DPL	3,232	3,232	3,596	3,628	3,653	3,672	3,694	3,718	3,749	3,770	3,810	3,824	3,847	0.7%
				0.9%	0.7%	0.5%	0.6%	0.6%	0.8%	0.6%	1.1%	0.4%	0.6%	
JCPL	3,508	3,508	3,700	3,710	3,728	3,745	3,771	3,799	3,828	3,850	3,880	3,908	3,939	0.6%
				0.3%	0.5%	0.5%	0.7%	0.7%	0.8%	0.6%	0.8%	0.7%	0.8%	
METED	2,453	2,453	2,605	2,600	2,602	2,599	2,603	2,606	2,611	2,615	2,626	2,628	2,633	0.1%
				-0.2%	0.1%	-0.1%	0.2%	0.1%	0.2%	0.2%	0.4%	0.1%	0.2%	
PECO	6,139	6,144	6,634	6,636	6,646	6,644	6,645	6,648	6,650	6,644	6,659	6,652	6,660	0.0%
				0.0%	0.2%	-0.0%	0.0%	0.0%	0.0%	-0.1%	0.2%	-0.1%	0.1%	
PENLC	2,600	2,600	2,781	2,775	2,776	2,773	2,772	2,769	2,769	2,763	2,773	2,767	2,767	(0.1%)
				-0.2%	0.0%	-0.1%	-0.0%	-0.1%	0.0%	-0.2%	0.4%	-0.2%	0.0%	
PEPCO	4,582	4,582	5,331	5,381	5,422	5,443	5,451	5,466	5,485	5,486	5,479	5,483	5,494	0.3%
				0.9%	0.8%	0.4%	0.1%	0.3%	0.3%	0.0%	-0.1%	0.1%	0.2%	
PL	6,528	6,528	7,252	7,249	7,260	7,261	7,271	7,284	7,312	7,327	7,330	7,347	7,355	0.1%
				-0.0%	0.2%	0.0%	0.1%	0.2%	0.4%	0.2%	0.0%	0.2%	0.1%	
PS	6,242	6,242	6,657	6,690	6,745	6,792	6,853	6,913	6,969	7,019	7,077	7,144	7,219	0.8%
				0.5%	0.8%	0.7%	0.9%	0.9%	0.8%	0.7%	0.8%	0.9%	1.0%	
RECO	207	207	227	228	229	229	231	232	234	234	236	237	238	0.5%
				0.4%	0.4%	0.0%	0.9%	0.4%	0.9%	0.0%	0.9%	0.4%	0.4%	
UGI	188	188	199	199	198	197	197	196	196	195	195	194	194	(0.3%)
				0.0%	-0.5%	-0.5%	0.0%	-0.5%	0.0%	-0.5%	0.0%	-0.5%	0.0%	
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	41,441	41,447	560 45,812	563 45,954	663 46,069	747 46,124	794 46,255	681 46,563	588 46,881	700 46,907	681 47,131	751 47,226	740 47,447	0.4%
				0.3%	0.3%	0.1%	0.3%	0.7%	0.7%	0.1%	0.5%	0.2%	0.5%	
FE-EAST	8,517	8,517	9,000	8,999	9,014	9,005	9,034	9,092	9,128	9,139	9,188	9,188	9,225	0.2%
				-0.0%	0.2%	-0.1%	0.3%	0.6%	0.4%	0.1%	0.5%	0.0%	0.4%	
PLGRP	6,706	6,706	7,445	7,440	7,455	7,454	7,460	7,476	7,500	7,516	7,517	7,536	7,544	0.1%
				-0.1%	0.2%	-0.0%	0.1%	0.2%	0.3%	0.2%	0.0%	0.3%	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, 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 (2021/22).

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
2032/33 - 2036/37

	32/33	33/34	34/35	35/36	36/37	Annual Growth Rate (15 yr)
AE	1,721	1,732	1,744	1,772	1,789	0.7%
	0.6%	0.6%	0.7%	1.6%	1.0%	
BGE	6,178	6,209	6,249	6,308	6,360	0.6%
	0.8%	0.5%	0.6%	0.9%	0.8%	
DPL	3,878	3,910	3,930	3,970	3,975	0.7%
	0.8%	0.8%	0.5%	1.0%	0.1%	
JCPL	3,973	4,000	4,027	4,081	4,112	0.7%
	0.9%	0.7%	0.7%	1.3%	0.8%	
METED	2,639	2,650	2,655	2,658	2,656	0.1%
	0.2%	0.4%	0.2%	0.1%	-0.1%	
PECO	6,674	6,687	6,679	6,694	6,687	0.1%
	0.2%	0.2%	-0.1%	0.2%	-0.1%	
PENLC	2,767	2,765	2,765	2,768	2,761	(0.0%)
	0.0%	-0.1%	0.0%	0.1%	-0.3%	
PEPCO	5,520	5,521	5,547	5,582	5,628	0.4%
	0.5%	0.0%	0.5%	0.6%	0.8%	
PL	7,388	7,399	7,410	7,410	7,413	0.1%
	0.4%	0.1%	0.1%	0.0%	0.0%	
PS	7,289	7,348	7,412	7,501	7,587	0.9%
	1.0%	0.8%	0.9%	1.2%	1.1%	
RECO	240	241	243	245	246	0.5%
	0.8%	0.4%	0.8%	0.8%	0.4%	
UGI	194	194	193	193	193	(0.2%)
	0.0%	0.0%	-0.5%	0.0%	0.0%	
DIVERSITY - MID-ATLANTIC(-)	588	633	695	715	722	
PJM MID-ATLANTIC	47,873	48,023	48,159	48,467	48,685	0.4%
	0.9%	0.3%	0.3%	0.6%	0.4%	
FE-EAST	9,298	9,329	9,353	9,430	9,430	0.3%
	0.8%	0.3%	0.3%	0.8%	0.0%	
PLGRP	7,573	7,584	7,594	7,594	7,602	0.1%
	0.4%	0.1%	0.1%	0.0%	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, 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 (2021/22).

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
2021/22 - 2031/32

	METERED 20/21	UNRESTRICTED 20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	Annual Growth Rate (10 yr)
AEP	19,969	19,969	22,348	22,382	22,507	22,529	22,672	22,712	22,787	22,820	22,863	22,849	22,946	0.3%
				0.2%	0.6%	0.1%	0.6%	0.2%	0.3%	0.1%	0.2%	-0.1%	0.4%	
APS	7,909	7,909	9,009	9,048	9,128	9,148	9,183	9,217	9,245	9,240	9,293	9,312	9,338	0.4%
				0.4%	0.9%	0.2%	0.4%	0.4%	0.3%	-0.1%	0.6%	0.2%	0.3%	
ATSI	9,530	9,530	10,064	10,097	10,160	10,150	10,179	10,175	10,192	10,173	10,178	10,154	10,172	0.1%
				0.3%	0.6%	-0.1%	0.3%	-0.0%	0.2%	-0.2%	0.0%	-0.2%	0.2%	
COMED	14,120	14,120	15,073	15,046	15,055	15,008	15,051	15,122	15,226	15,176	15,226	15,254	15,303	0.2%
				-0.2%	0.1%	-0.3%	0.3%	0.5%	0.7%	-0.3%	0.3%	0.2%	0.3%	
DAYTON	2,780	2,780	2,940	2,939	2,947	2,944	2,952	2,957	2,962	2,963	2,963	2,958	2,965	0.1%
				-0.0%	0.3%	-0.1%	0.3%	0.2%	0.2%	0.0%	0.0%	-0.2%	0.2%	
DEOK	4,226	4,226	4,555	4,570	4,604	4,611	4,621	4,643	4,684	4,668	4,691	4,687	4,694	0.3%
				0.3%	0.7%	0.2%	0.2%	0.5%	0.9%	-0.3%	0.5%	-0.1%	0.1%	
DLCO	1,818	1,818	1,995	2,003	2,010	2,010	2,023	2,027	2,030	2,028	2,027	2,029	2,042	0.2%
				0.4%	0.3%	0.0%	0.6%	0.2%	0.1%	-0.1%	-0.0%	0.1%	0.6%	
EKPC	2,439	2,439	2,666	2,690	2,703	2,714	2,723	2,731	2,741	2,746	2,760	2,767	2,776	0.4%
				0.9%	0.5%	0.4%	0.3%	0.3%	0.4%	0.2%	0.5%	0.3%	0.3%	
OVEC	106	106	115	115	115	115	115	115	115	115	115	115	115	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	61,056	61,056	1,532 67,233	1,523 67,367	1,502 67,727	1,520 67,709	1,512 68,007	1,403 68,296	1,528 68,454	1,497 68,432	1,479 68,637	1,568 68,557	1,530 68,821	0.2%
				0.2%	0.5%	-0.0%	0.4%	0.4%	0.2%	-0.0%	0.3%	-0.1%	0.4%	
DOM	17,868	17,868	20,762	21,460	22,283	23,196	24,167	24,853	25,249	25,640	26,020	26,404	26,810	2.6%
				3.4%	3.8%	4.1%	4.2%	2.8%	1.6%	1.5%	1.5%	1.5%	1.5%	
DIVERSITY - TOTAL(-) PJM RTO	117,011	117,012	3,797 132,102	3,887 132,980	3,884 134,360	3,775 135,521	3,812 136,923	3,853 137,943	3,891 138,809	3,858 139,318	3,839 140,109	3,824 140,682	3,832 141,516	0.7%
				0.7%	1.0%	0.9%	1.0%	0.7%	0.6%	0.4%	0.6%	0.4%	0.6%	

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 (2021/22).

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
2032/33 - 2036/37

	32/33	33/34	34/35	35/36	36/37	Annual Growth Rate (15 yr)
AEP	23,013	23,036	23,092	23,146	23,175	0.2%
	0.3%	0.1%	0.2%	0.2%	0.1%	
APS	9,359	9,383	9,409	9,436	9,454	0.3%
	0.2%	0.3%	0.3%	0.3%	0.2%	
ATSI	10,180	10,177	10,169	10,156	10,153	0.1%
	0.1%	-0.0%	-0.1%	-0.1%	-0.0%	
COMED	15,436	15,450	15,491	15,533	15,544	0.2%
	0.9%	0.1%	0.3%	0.3%	0.1%	
DAYTON	2,976	2,981	2,987	2,991	2,995	0.1%
	0.4%	0.2%	0.2%	0.1%	0.1%	
DEOK	4,741	4,747	4,760	4,768	4,765	0.3%
	1.0%	0.1%	0.3%	0.2%	-0.1%	
DLCO	2,046	2,048	2,043	2,044	2,057	0.2%
	0.2%	0.1%	-0.2%	0.0%	0.6%	
EKPC	2,785	2,794	2,802	2,812	2,819	0.4%
	0.3%	0.3%	0.3%	0.4%	0.2%	
OVEC	115	115	115	115	115	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	1,524 69,127	1,492 69,239	1,523 69,345	1,529 69,472	1,544 69,533	0.2%
	0.4%	0.2%	0.2%	0.2%	0.1%	
DOM	27,189	27,567	27,923	28,322	28,716	2.2%
	1.4%	1.4%	1.3%	1.4%	1.4%	
DIVERSITY - TOTAL(-) PJM RTO	3,987 142,314	3,987 142,967	4,010 143,635	3,865 144,640	3,980 145,220	0.6%
	0.6%	0.5%	0.5%	0.7%	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 (2021/22).

Winter season indicates peak from December, January, February.

Table B-3

**SPRING PEAK LOAD (MW) FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2022 - 2037**

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	1,522	1,516	1,516	1,497	1,493	1,497	1,508	1,520	1,525	1,530	1,545	1,558	1,572	1,579	1,594	1,606
BGE	5,086	5,074	5,076	5,076	5,076	5,101	5,126	5,143	5,156	5,154	5,183	5,204	5,206	5,225	5,243	5,297
DPL	2,984	2,990	2,979	2,971	2,974	2,984	3,000	3,014	3,026	3,023	3,032	3,036	3,049	3,053	3,056	3,076
JCPL	3,894	3,867	3,861	3,828	3,814	3,814	3,861	3,890	3,915	3,929	3,920	3,954	3,998	4,028	4,054	4,071
METED	2,401	2,398	2,393	2,391	2,395	2,399	2,419	2,425	2,431	2,424	2,435	2,451	2,462	2,465	2,456	2,460
PECO	6,381	6,389	6,389	6,328	6,292	6,294	6,362	6,381	6,398	6,353	6,345	6,404	6,418	6,443	6,411	6,398
PENLC	2,458	2,443	2,432	2,414	2,410	2,404	2,403	2,407	2,410	2,404	2,418	2,426	2,424	2,424	2,418	2,428
PEPCO	4,665	4,660	4,676	4,638	4,632	4,628	4,643	4,637	4,611	4,573	4,590	4,605	4,602	4,611	4,615	4,635
PL	6,214	6,200	6,210	6,210	6,229	6,248	6,243	6,260	6,281	6,273	6,307	6,314	6,324	6,330	6,322	6,355
PS	6,955	6,942	6,993	6,930	6,899	6,898	6,997	7,085	7,152	7,145	7,133	7,193	7,286	7,386	7,433	7,436
RECO	271	269	268	262	258	257	261	262	263	259	258	260	263	263	262	260
UGI	169	167	166	165	165	165	164	164	163	163	163	163	163	162	161	161
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	2,355 40,645	2,379 40,536	2,386 40,573	2,256 40,454	2,283 40,354	2,297 40,392	2,286 40,701	2,305 40,883	2,362 40,969	2,235 40,995	2,284 41,045	2,309 41,259	2,370 41,397	2,454 41,515	2,380 41,645	2,421 41,762
FE-EAST PLGRP	8,205 6,354	8,151 6,332	8,111 6,356	8,049 6,356	8,008 6,376	8,026 6,389	8,096 6,368	8,129 6,384	8,159 6,414	8,162 6,411	8,187 6,449	8,259 6,456	8,310 6,459	8,337 6,457	8,362 6,463	8,389 6,495

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
2022 - 2037**

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AEP	19,381	19,393	19,483	19,506	19,549	19,613	19,623	19,656	19,642	19,654	19,752	19,803	19,817	19,850	19,828	19,877
APS	7,765	7,783	7,828	7,853	7,881	7,889	7,899	7,909	7,903	7,912	7,955	7,965	7,978	7,991	7,998	8,037
ATSI	9,639	9,670	9,706	9,685	9,655	9,678	9,761	9,794	9,783	9,743	9,714	9,785	9,795	9,803	9,744	9,712
COMED	14,823	14,710	14,597	14,389	14,297	14,264	14,387	14,420	14,413	14,249	14,207	14,264	14,271	14,301	14,235	14,164
DAYTON	2,627	2,616	2,614	2,607	2,605	2,604	2,627	2,631	2,628	2,617	2,615	2,639	2,643	2,647	2,636	2,642
DEOK	4,233	4,245	4,260	4,232	4,224	4,237	4,299	4,334	4,310	4,291	4,299	4,359	4,369	4,401	4,366	4,366
DLCO	2,150	2,159	2,173	2,162	2,158	2,167	2,191	2,199	2,209	2,193	2,196	2,213	2,217	2,223	2,221	2,213
EKPC	2,054	2,078	2,099	2,115	2,133	2,150	2,154	2,153	2,157	2,161	2,178	2,175	2,177	2,177	2,185	2,186
OVEC	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
DIVERSITY - WESTERN(-)	2,792	2,903	2,949	2,892	3,006	2,970	2,931	3,058	3,043	3,102	3,006	2,980	2,932	2,949	3,073	2,828
PJM WESTERN	59,995	59,866	59,926	59,772	59,611	59,747	60,125	60,153	60,117	59,833	60,025	60,338	60,450	60,559	60,255	60,484
DOM	17,634	18,262	19,000	19,829	20,697	21,193	21,521	21,859	22,211	22,576	22,931	23,284	23,636	23,996	24,354	24,757
DIVERSITY - TOTAL(-)	6,984	7,077	6,954	7,279	7,173	7,127	6,921	6,924	7,215	6,943	6,919	7,036	7,131	7,237	7,137	6,990
PJM RTO	116,437	116,869	117,880	117,924	118,778	119,472	120,643	121,334	121,487	121,798	122,372	123,134	123,654	124,236	124,570	125,262

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
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	1,884	1,878	1,869	1,863	1,859	1,864	1,877	1,883	1,893	1,905	1,919	1,932	1,943	1,954	1,975	1,990
BGE	5,423	5,417	5,422	5,436	5,446	5,459	5,471	5,486	5,512	5,523	5,532	5,533	5,551	5,575	5,610	5,652
DPL	3,169	3,182	3,187	3,192	3,194	3,204	3,225	3,244	3,242	3,255	3,239	3,248	3,246	3,243	3,264	3,276
JCPL	4,463	4,457	4,453	4,452	4,452	4,466	4,492	4,522	4,558	4,592	4,620	4,649	4,689	4,728	4,776	4,814
METED	2,452	2,449	2,449	2,452	2,454	2,463	2,469	2,479	2,502	2,519	2,533	2,546	2,556	2,569	2,594	2,611
PECO	6,892	6,900	6,895	6,895	6,891	6,896	6,892	6,903	6,928	6,960	6,964	6,981	6,984	6,997	7,048	7,071
PENLC	2,453	2,446	2,435	2,427	2,419	2,422	2,425	2,429	2,436	2,445	2,448	2,444	2,440	2,444	2,465	2,471
PEPCO	4,971	4,976	4,958	4,961	4,949	4,945	4,941	4,917	4,905	4,899	4,891	4,881	4,876	4,874	4,919	4,925
PL	6,063	6,066	6,047	6,043	6,058	6,088	6,102	6,118	6,133	6,160	6,204	6,227	6,250	6,269	6,274	6,317
PS	7,877	7,885	7,921	7,963	7,958	7,994	8,028	8,089	8,194	8,274	8,312	8,374	8,424	8,478	8,604	8,652
RECO	298	295	293	293	291	291	291	291	293	295	295	295	295	296	300	299
UGI	164	164	162	161	162	162	161	161	160	159	160	160	159	159	158	158
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	1,218 44,891	1,290 44,825	1,322 44,769	1,301 44,837	1,244 44,889	1,287 44,967	1,333 45,041	1,495 45,027	1,408 45,348	1,393 45,593	1,339 45,778	1,424 45,846	1,530 45,883	1,633 45,953	1,533 46,454	1,555 46,681
FE-EAST	9,094	9,026	9,010	9,036	9,036	9,048	9,035	9,073	9,150	9,236	9,280	9,290	9,322	9,366	9,497	9,548
PLGRP	6,215	6,215	6,196	6,191	6,206	6,233	6,249	6,266	6,277	6,304	6,350	6,376	6,398	6,411	6,416	6,463

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
2022 - 2037**

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AEP	19,977	20,077	20,138	20,226	20,256	20,264	20,283	20,278	20,313	20,407	20,440	20,473	20,461	20,488	20,613	20,725
APS	7,636	7,655	7,659	7,685	7,696	7,704	7,726	7,728	7,736	7,758	7,786	7,803	7,822	7,830	7,858	7,893
ATSI	10,513	10,548	10,617	10,709	10,741	10,712	10,669	10,685	10,729	10,831	10,776	10,761	10,728	10,738	10,879	10,884
COMED	17,178	17,049	16,886	16,882	16,834	16,820	16,694	16,588	16,665	16,830	16,761	16,729	16,668	16,574	16,871	16,903
DAYTON	2,858	2,856	2,858	2,874	2,878	2,867	2,858	2,855	2,872	2,894	2,887	2,884	2,876	2,881	2,919	2,928
DEOK	4,766	4,784	4,812	4,847	4,869	4,885	4,883	4,876	4,909	4,937	4,949	4,961	4,955	4,950	5,007	5,027
DLCO	2,382	2,402	2,417	2,437	2,451	2,458	2,464	2,462	2,473	2,487	2,490	2,493	2,495	2,489	2,509	2,517
EKPC	2,004	2,026	2,043	2,066	2,096	2,102	2,106	2,109	2,110	2,118	2,126	2,130	2,134	2,138	2,143	2,153
OVEC	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
DIVERSITY - WESTERN(-)	1,624	1,619	1,625	1,692	1,518	1,660	1,594	1,692	1,619	1,602	1,424	1,671	1,519	1,571	1,377	1,488
PJM WESTERN	65,760	65,848	65,875	66,104	66,373	66,222	66,159	65,959	66,258	66,730	66,861	66,633	66,690	66,587	67,492	67,612
DOM	18,134	18,776	19,515	20,348	21,082	21,421	21,789	22,101	22,436	22,825	23,218	23,584	23,954	24,323	24,711	25,081
DIVERSITY - TOTAL(-)	6,235	6,484	6,588	6,499	6,499	6,394	6,907	7,291	6,989	6,959	6,787	7,034	7,319	7,495	7,538	7,655
PJM RTO	125,392	125,874	126,518	127,783	128,607	129,163	129,009	128,983	130,080	131,184	131,833	132,124	132,257	132,572	134,029	134,762

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 (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 2022	1,610	5,780	3,596	3,700	2,605	6,634	2,781	5,331	7,252	6,657	227	199	560	45,812
Feb 2022	1,521	5,387	3,375	3,485	2,487	6,239	2,690	5,070	6,865	6,303	213	187	704	43,118
Mar 2022	1,302	4,986	2,984	3,001	2,377	5,546	2,458	4,588	6,214	5,679	178	169	843	38,639
Apr 2022	1,185	4,153	2,427	2,710	2,090	5,015	2,205	3,756	5,209	5,198	183	139	1,048	33,222
May 2022	1,522	5,086	2,881	3,894	2,401	6,381	2,247	4,665	5,503	6,955	271	144	1,305	40,645
Jun 2022	2,181	5,911	3,515	5,228	2,749	7,700	2,661	5,484	6,526	8,775	363	178	720	50,551
Jul 2022	2,488	6,414	3,873	5,831	2,934	8,370	2,812	5,902	7,024	9,543	391	193	629	55,146
Aug 2022	2,403	6,214	3,685	5,489	2,917	8,092	2,673	5,739	6,719	9,200	366	183	303	53,377
Sep 2022	1,884	5,423	3,169	4,463	2,452	6,892	2,453	4,971	6,063	7,877	298	160	1,214	44,891
Oct 2022	1,414	4,096	2,439	3,170	1,990	5,174	2,180	3,878	5,060	6,005	213	138	1,592	34,165
Nov 2022	1,311	4,454	2,675	3,043	2,174	5,216	2,354	4,073	5,866	5,619	193	164	1,046	36,096
Dec 2022	1,578	5,228	3,256	3,632	2,464	6,262	2,641	4,896	6,626	6,501	227	188	562	42,937
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2023	1,619	5,802	3,628	3,710	2,600	6,636	2,775	5,381	7,249	6,690	228	199	563	45,954
Feb 2023	1,529	5,425	3,395	3,487	2,480	6,244	2,682	5,119	6,844	6,340	214	186	732	43,213
Mar 2023	1,298	4,902	2,990	2,966	2,372	5,509	2,443	4,601	6,200	5,661	176	167	895	38,390
Apr 2023	1,180	4,113	2,419	2,665	2,075	4,971	2,184	3,722	5,112	5,169	181	137	1,022	32,906
May 2023	1,516	5,074	2,883	3,867	2,398	6,389	2,242	4,660	5,508	6,942	269	143	1,355	40,536
Jun 2023	2,183	5,878	3,513	5,164	2,736	7,751	2,656	5,466	6,519	8,715	360	177	702	50,416
Jul 2023	2,490	6,391	3,882	5,799	2,934	8,386	2,807	5,892	7,023	9,534	389	192	647	55,072
Aug 2023	2,404	6,191	3,691	5,433	2,921	8,150	2,669	5,742	6,709	9,199	363	182	245	53,409
Sep 2023	1,878	5,417	3,182	4,457	2,449	6,900	2,446	4,976	6,066	7,885	295	158	1,284	44,825
Oct 2023	1,416	4,138	2,456	3,182	2,012	5,243	2,192	3,905	5,114	6,045	211	137	1,610	34,441
Nov 2023	1,316	4,495	2,685	3,046	2,186	5,222	2,365	4,111	5,921	5,634	192	164	1,137	36,200
Dec 2023	1,576	5,266	3,276	3,649	2,463	6,269	2,641	4,931	6,632	6,528	227	187	659	42,986
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2024	1,624	5,849	3,653	3,728	2,602	6,646	2,776	5,422	7,260	6,745	229	198	663	46,069
Feb 2024	1,536	5,471	3,420	3,511	2,479	6,253	2,683	5,148	6,848	6,385	215	185	735	43,399
Mar 2024	1,292	4,873	2,979	2,941	2,361	5,464	2,432	4,613	6,210	5,658	173	166	832	38,330
Apr 2024	1,183	4,118	2,413	2,655	2,081	4,985	2,190	3,757	5,213	5,202	181	138	1,174	32,942
May 2024	1,516	5,076	2,900	3,861	2,393	6,389	2,234	4,676	5,498	6,993	268	144	1,375	40,573
Jun 2024	2,185	5,836	3,485	5,109	2,678	7,639	2,624	5,417	6,487	8,600	356	175	967	49,624
Jul 2024	2,493	6,389	3,893	5,771	2,942	8,419	2,802	5,892	7,036	9,535	389	192	746	55,007
Aug 2024	2,400	6,155	3,670	5,385	2,899	8,054	2,658	5,716	6,714	9,147	361	182	395	52,946
Sep 2024	1,869	5,422	3,187	4,453	2,449	6,895	2,435	4,958	6,047	7,921	293	159	1,319	44,769
Oct 2024	1,414	4,142	2,456	3,159	2,013	5,236	2,171	3,911	5,101	6,088	210	137	1,457	34,581
Nov 2024	1,301	4,484	2,652	3,010	2,168	5,153	2,315	4,054	5,834	5,626	189	162	1,086	35,862
Dec 2024	1,588	5,351	3,283	3,655	2,446	6,244	2,628	4,934	6,639	6,586	226	186	839	42,927

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 (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 2022	22,348	9,009	10,064	15,073	2,940	4,555	1,995	2,666	115	1,532	67,233	20,762	3,797	132,102
Feb 2022	21,144	8,518	9,692	14,343	2,780	4,276	1,908	2,408	115	1,677	63,507	19,432	3,273	125,165
Mar 2022	19,381	7,765	9,125	12,586	2,584	3,852	1,771	2,054	115	473	58,760	17,634	833	115,516
Apr 2022	16,438	6,536	8,127	11,506	2,222	3,489	1,679	1,607	70	627	51,047	15,297	796	100,445
May 2022	18,301	7,058	9,639	14,823	2,627	4,233	2,150	1,600	70	506	59,995	17,433	3,447	116,437
Jun 2022	20,710	8,081	11,506	18,917	3,020	4,925	2,563	1,968	70	2,069	69,691	19,270	5,228	137,073
Jul 2022	22,183	8,675	12,273	20,787	3,271	5,239	2,742	2,091	90	1,647	75,704	20,424	4,612	148,938
Aug 2022	21,858	8,443	11,822	19,971	3,192	5,113	2,638	2,054	90	2,029	73,152	20,351	5,204	144,008
Sep 2022	19,977	7,636	10,513	17,178	2,858	4,766	2,382	1,932	70	1,552	65,760	18,134	6,159	125,392
Oct 2022	15,992	6,325	8,073	12,375	2,213	3,516	1,770	1,594	70	2,055	49,873	15,440	6,394	96,731
Nov 2022	17,944	7,156	8,572	12,347	2,388	3,621	1,715	2,004	70	1,509	54,308	16,893	4,052	105,800
Dec 2022	20,601	8,306	9,709	14,623	2,742	4,259	1,925	2,383	100	1,191	63,457	19,155	4,062	123,240
Jan 2023	22,382	9,048	10,097	15,046	2,939	4,570	2,003	2,690	115	1,523	67,367	21,460	3,887	132,980
Feb 2023	21,197	8,557	9,727	14,312	2,780	4,294	1,920	2,430	115	1,722	63,610	20,161	3,620	125,818
Mar 2023	19,393	7,783	9,168	12,528	2,582	3,861	1,781	2,078	115	513	58,776	18,262	979	115,857
Apr 2023	16,273	6,493	8,090	11,400	2,201	3,463	1,685	1,625	70	636	50,664	15,888	1,026	100,090
May 2023	18,308	7,062	9,670	14,710	2,616	4,245	2,159	1,612	70	586	59,866	18,058	3,532	116,869
Jun 2023	20,724	8,117	11,557	18,857	3,009	4,939	2,577	1,984	70	1,996	69,838	19,814	5,440	137,326
Jul 2023	22,238	8,725	12,349	20,638	3,267	5,269	2,759	2,117	90	1,702	75,750	21,013	4,833	149,351
Aug 2023	21,929	8,487	11,900	20,025	3,188	5,135	2,658	2,074	90	2,270	73,216	20,941	5,758	144,323
Sep 2023	20,077	7,655	10,548	17,049	2,856	4,784	2,402	1,956	70	1,549	65,848	18,776	6,408	125,874
Oct 2023	16,120	6,390	8,167	12,343	2,223	3,559	1,799	1,608	70	2,016	50,263	16,277	6,434	98,173
Nov 2023	18,114	7,201	8,664	12,318	2,397	3,659	1,736	2,026	70	1,501	54,684	17,692	4,129	107,085
Dec 2023	20,674	8,379	9,764	14,553	2,747	4,277	1,930	2,371	100	1,094	63,701	19,874	3,880	124,434
Jan 2024	22,507	9,128	10,160	15,055	2,947	4,604	2,010	2,703	115	1,502	67,727	22,283	3,884	134,360
Feb 2024	21,297	8,634	9,788	14,290	2,792	4,326	1,924	2,435	115	1,639	63,962	20,941	3,623	127,053
Mar 2024	19,483	7,828	9,208	12,461	2,580	3,895	1,789	2,099	115	600	58,858	19,000	705	116,915
Apr 2024	16,634	6,600	8,159	11,376	2,204	3,544	1,705	1,654	70	769	51,177	16,665	824	101,903
May 2024	18,322	7,099	9,706	14,597	2,614	4,260	2,173	1,619	70	534	59,926	18,874	3,402	117,880
Jun 2024	20,586	8,105	11,492	18,555	2,968	4,948	2,573	1,999	70	2,247	69,049	20,454	5,676	136,665
Jul 2024	22,332	8,777	12,419	20,522	3,274	5,305	2,776	2,144	90	1,609	76,030	21,751	4,834	150,309
Aug 2024	21,904	8,507	11,855	19,669	3,153	5,148	2,661	2,096	90	2,109	72,974	21,615	5,236	144,803
Sep 2024	20,138	7,659	10,617	16,886	2,858	4,812	2,417	2,003	70	1,585	65,875	19,515	6,545	126,518
Oct 2024	16,167	6,415	8,217	12,255	2,229	3,600	1,822	1,643	70	2,123	50,295	17,101	6,093	99,464
Nov 2024	17,919	7,123	8,621	12,155	2,361	3,626	1,731	2,043	70	1,468	54,181	18,358	4,577	106,378
Dec 2024	20,672	8,363	9,712	14,501	2,720	4,276	1,926	2,379	100	1,336	63,313	20,724	3,347	125,792

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 (MW) FOR
FE-EAST AND PLGRP**

	FE_EAST	PLGRP
Jan 2022	9,000	7,445
Feb 2022	8,519	7,039
Mar 2022	7,697	6,354
Apr 2022	6,715	5,346
May 2022	8,205	5,646
Jun 2022	10,363	6,675
Jul 2022	11,334	7,204
Aug 2022	10,885	6,880
Sep 2022	9,094	6,215
Oct 2022	6,987	5,193
Nov 2022	7,398	6,028
Dec 2022	8,618	6,805

	FE_EAST	PLGRP
Jan 2023	8,999	7,440
Feb 2023	8,518	7,019
Mar 2023	7,646	6,332
Apr 2023	6,635	5,238
May 2023	8,151	5,638
Jun 2023	10,266	6,666
Jul 2023	11,296	7,202
Aug 2023	10,842	6,864
Sep 2023	9,026	6,215
Oct 2023	7,052	5,241
Nov 2023	7,418	6,074
Dec 2023	8,623	6,817

	FE_EAST	PLGRP
Jan 2024	9,014	7,455
Feb 2024	8,526	7,010
Mar 2024	7,554	6,356
Apr 2024	6,585	5,349
May 2024	8,111	5,642
Jun 2024	10,141	6,613
Jul 2024	11,255	7,217
Aug 2024	10,786	6,872
Sep 2024	9,010	6,196
Oct 2024	7,024	5,234
Nov 2024	7,330	5,993
Dec 2024	8,564	6,808

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.

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)

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE																
CAPACITY PERFORMANCE	42	42	42	42	42	42	42	43	43	43	43	43	44	44	44	44
SUMMER PERIOD	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	44	44	44	44	44	44	44	45	45	45	45	45	46	46	46	46
BGE																
CAPACITY PERFORMANCE	120	120	120	120	120	120	120	120	120	120	119	119	119	119	119	119
SUMMER PERIOD	38	38	38	38	38	38	38	38	38	38	38	38	37	37	38	39
PRD	80	153	153	153	154	154	153	154	154	153	152	152	152	152	152	152
TOTAL LOAD MANAGEMENT	238	311	311	311	312	312	311	312	312	311	309	309	308	308	309	310
DPL																
CAPACITY PERFORMANCE	101	101	101	102	102	102	102	102	102	101	100	100	99	99	99	99
SUMMER PERIOD	54	55	55	55	55	55	55	55	55	55	54	54	53	53	53	53
PRD	40	57	57	57	57	58	58	58	58	57	57	56	56	56	56	56
TOTAL LOAD MANAGEMENT	195	213	213	214	214	215	215	215	215	213	211	210	208	208	208	208
JCPL																
CAPACITY PERFORMANCE	87	87	87	87	87	86	86	87	87	88	88	88	89	89	90	91
SUMMER PERIOD	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	91	91	91	91	91	90	90	91	91	93	93	93	94	94	95	96
METED																
CAPACITY PERFORMANCE	151	151	151	151	152	153	153	154	155	156	157	158	159	159	161	163
SUMMER PERIOD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	152	152	152	152	153	154	154	155	156	157	158	159	160	160	162	164

Notes:

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

DR Forecast values for each DR Product Type are based on actual committed quantities for Delivery Years 2020/21, 2021/22 and actual cleared quantities in the 2022/23 RPM Base Residual Auction

Table B-7 (Continued)

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

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
PECO																
CAPACITY PERFORMANCE	252	252	253	253	253	252	252	253	254	255	255	255	255	256	257	258
SUMMER PERIOD	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	252	252	254	254	254	252	252	254	255	256	256	256	256	257	258	259
PENLC																
CAPACITY PERFORMANCE	219	218	218	218	218	218	218	218	219	220	220	220	221	221	222	223
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	219	218	218	218	218	218	218	218	219	220	220	220	221	221	222	223
PEPCO																
CAPACITY PERFORMANCE	105	104	104	105	104	104	104	104	103	103	102	102	101	101	101	101
SUMMER PERIOD	86	86	86	87	86	86	86	86	85	85	84	84	83	83	84	85
PRD	110	146	146	146	146	146	145	145	144	143	143	142	141	141	141	141
TOTAL LOAD MANAGEMENT	301	336	336	338	336	336	335	335	332	331	329	328	325	325	326	327
PL																
CAPACITY PERFORMANCE	408	407	408	409	410	411	412	414	415	417	420	420	421	423	424	425
SUMMER PERIOD	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	411	410	411	412	413	414	415	417	418	420	423	423	424	426	427	428
PS																
CAPACITY PERFORMANCE	186	186	186	186	187	187	188	189	190	192	192	193	194	195	197	199
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	186	186	186	186	187	187	188	189	190	192	192	193	194	195	197	199

Notes:

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

DR Forecast values for each DR Product Type are based on actual committed quantities for Delivery Years 2020/21, 2021/22 and actual cleared quantities in the 2022/23 RPM Base Residual Auction

Table B-7 (Continued)

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

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
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	1,673	1,670	1,672	1,675	1,677	1,677	1,679	1,686	1,690	1,697	1,698	1,700	1,704	1,708	1,716	1,724
SUMMER PERIOD	188	189	190	191	190	189	189	190	189	190	188	188	185	185	187	189
PRD	230	356	356	356	357	358	356	357	356	353	352	350	349	349	349	349
TOTAL LOAD MANAGEMENT	2,091	2,215	2,218	2,222	2,224	2,224	2,224	2,233	2,235	2,240	2,238	2,238	2,238	2,242	2,252	2,262

Notes:

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

DR Forecast values for each DR Product Type are based on actual committed quantities for Delivery Years 2020/21, 2021/22 and actual cleared quantities in the 2022/23 RPM Base Residual Auction

Table B-7 (Continued)

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

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AEP																
CAPACITY PERFORMANCE	1,099	1,102	1,107	1,109	1,109	1,109	1,109	1,111	1,114	1,115	1,115	1,117	1,118	1,121	1,124	1,127
SUMMER PERIOD	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	1,109	1,112	1,118	1,120	1,120	1,120	1,120	1,122	1,125	1,126	1,126	1,128	1,129	1,132	1,135	1,138
APS																
CAPACITY PERFORMANCE	530	533	536	538	538	536	536	535	536	535	535	534	535	535	537	539
SUMMER PERIOD	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	530	534	537	539	539	537	537	536	537	536	536	535	536	536	538	540
ATSI																
CAPACITY PERFORMANCE	698	703	707	708	711	711	711	713	716	715	714	714	713	716	718	720
SUMMER PERIOD	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	700	705	709	710	713	713	713	715	718	717	716	716	715	718	720	722
COMED																
CAPACITY PERFORMANCE	1,197	1,189	1,182	1,174	1,170	1,168	1,165	1,165	1,162	1,160	1,159	1,157	1,152	1,154	1,153	1,152
SUMMER PERIOD	110	109	109	108	108	107	107	107	107	107	106	106	106	106	106	106
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	1,307	1,298	1,291	1,282	1,278	1,275	1,272	1,272	1,269	1,267	1,265	1,263	1,258	1,260	1,259	1,258
DAYTON																
CAPACITY PERFORMANCE	153	152	153	153	153	153	153	153	154	154	153	154	154	154	154	154
SUMMER PERIOD	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	160	159	160	160	160	160	160	160	161	161	160	161	161	161	161	161

Notes:

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

DR Forecast values for each DR Product Type are based on actual committed quantities for Delivery Years 2020/21, 2021/22 and actual cleared quantities in the 2022/23 RPM Base Residual Auction

Table B-7 (Continued)

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

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
DEOK																
CAPACITY PERFORMANCE	125	126	127	128	128	128	129	129	129	130	130	130	130	131	131	131
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	133	134	135	136	136	136	137	137	137	138	138	138	138	139	139	139
DLCO																
CAPACITY PERFORMANCE	75	75	76	76	76	76	76	77	77	77	77	77	77	77	77	77
SUMMER PERIOD	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	82	82	83	83	83	83	83	84	84	84	84	84	84	84	84	84
EKPC																
CAPACITY PERFORMANCE	146	148	150	152	153	154	155	155	155	156	156	157	157	157	158	159
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	146	148	150	152	153	154	155	155	155	156	156	157	157	157	158	159
PJM WESTERN																
CAPACITY PERFORMANCE	4,023	4,028	4,038	4,038	4,038	4,035	4,034	4,038	4,043	4,042	4,039	4,040	4,036	4,045	4,052	4,059
SUMMER PERIOD	144	144	145	144	144	143	143	143	143	143	142	142	142	142	142	142
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	4,167	4,172	4,183	4,182	4,182	4,178	4,177	4,181	4,186	4,185	4,181	4,182	4,178	4,187	4,194	4,201

Notes:

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

DR Forecast values for each DR Product Type are based on actual committed quantities for Delivery Years 2020/21, 2021/22 and actual cleared quantities in the 2022/23 RPM Base Residual Auction

Table B-7 (Continued)

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

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
DOM																
CAPACITY PERFORMANCE	657	676	700	726	752	762	772	783	795	807	818	830	841	854	868	882
SUMMER PERIOD	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	659	678	703	729	755	765	775	786	798	810	821	833	844	857	871	885
PJM RTO																
CAPACITY PERFORMANCE	6,353	6,374	6,410	6,439	6,467	6,474	6,485	6,507	6,528	6,546	6,555	6,570	6,581	6,607	6,636	6,665
SUMMER PERIOD	334	335	338	338	337	335	335	336	335	336	333	333	330	330	332	334
PRD	230	356	356	356	357	358	356	357	356	353	352	350	349	349	349	349
TOTAL LOAD MANAGEMENT	6,917	7,065	7,104	7,133	7,161	7,167	7,176	7,200	7,219	7,235	7,240	7,253	7,260	7,286	7,317	7,348

Notes:

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

DR Forecast values for each DR Product Type are based on actual committed quantities for Delivery Years 2020/21, 2021/22 and actual cleared quantities in the 2022/23 RPM Base Residual Auction

Table B-8a

DISTRIBUTED SOLAR ADJUSTMENTS TO JULY PEAK LOAD (MW) FOR
EACH PJM ZONE AND RTO
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	232	239	245	275	286	290	283	293	295	313	317	321	322	328	343	356
BGE	232	266	293	310	304	325	369	394	429	495	541	597	637	682	700	719
DPL	151	163	171	183	190	201	209	224	252	306	357	401	443	471	505	520
JCPL	346	377	409	411	426	470	488	495	510	507	525	538	553	569	576	589
METED	41	41	42	46	46	47	57	56	56	61	63	72	75	76	78	81
PECO	61	66	69	78	79	94	95	107	111	118	130	132	143	161	180	189
PENLC	10	12	18	17	22	27	24	31	35	39	46	52	55	58	64	63
PEPCO	198	227	246	246	255	257	298	309	329	366	376	410	461	478	509	524
PL	88	83	88	111	112	120	110	111	127	151	162	169	172	173	209	218
PS	520	568	641	664	694	707	731	768	777	766	806	835	845	905	919	942
RECO	13	14	15	15	15	17	18	19	19	20	22	23	23	23	23	24
UGI	0	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3
AEP	103	147	189	197	221	261	324	358	407	443	447	472	503	530	576	593
APS	93	106	113	122	141	198	236	273	305	354	382	415	442	469	504	528
ATSI	68	89	126	133	132	120	145	132	153	163	160	175	207	173	194	212
COMED	362	452	551	632	687	733	793	860	938	999	1,037	1,091	1,193	1,203	1,283	1,347
DAYTON	22	29	35	41	43	47	39	42	48	51	53	49	49	52	66	67
DEOK	22	37	42	42	46	49	44	44	61	57	64	57	64	66	80	77
DLCO	14	14	21	27	24	24	30	32	35	39	35	45	48	51	59	57
EKPC	6	7	7	7	7	9	8	13	14	11	17	14	17	21	25	22
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	541	604	625	662	681	729	819	859	890	916	969	990	1,071	1,050	1,087	1,099
PJM RTO	3,150	3,498	3,821	4,034	4,224	4,647	4,865	5,148	5,642	5,974	6,703	7,109	7,609	7,400	7,856	8,072

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

Table B-8b

DISTRIBUTED BATTERY STORAGE ADJUSTMENT TO SUMMER PEAK LOAD (MW) FOR
EACH PJM ZONE AND RTO
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	0	0	1	1	2	2	2	3	4	5	6	7	8	9	10	12
BGE	0	1	2	3	4	4	6	7	10	15	21	28	35	44	51	59
DPL	0	1	1	1	2	2	3	3	4	7	9	11	14	16	18	21
JCPL	0	1	2	3	4	4	6	7	10	12	14	16	18	21	24	28
METED	0	0	0	1	1	1	1	2	2	3	4	4	5	6	7	8
PECO	0	1	1	2	2	3	4	5	6	7	9	11	13	15	17	20
PENLC	0	0	1	1	1	1	2	2	3	3	4	5	6	7	8	9
PEPCO	0	1	2	3	4	4	5	7	9	13	16	21	25	30	34	38
PL	0	1	1	2	2	3	4	5	6	7	9	11	14	16	18	21
PS	0	2	4	6	7	9	11	14	19	23	27	31	36	41	46	53
RECO	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2
UGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AEP	1	1	3	4	5	7	9	11	15	18	22	26	32	38	45	54
APS	0	1	2	2	3	4	5	6	8	10	13	17	20	25	29	33
ATSI	0	1	1	2	3	3	4	6	7	9	11	14	16	20	24	29
COMED	1	3	5	8	10	12	16	20	25	31	39	46	53	62	74	87
DAYTON	0	0	0	0	1	1	1	1	2	2	3	3	4	5	6	8
DEOK	0	0	0	1	1	1	2	2	3	3	4	5	6	7	9	11
DLCO	0	0	0	1	1	1	1	2	2	3	3	4	5	5	6	7
EKPC	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	1	2	5	7	9	12	16	20	27	34	42	52	63	76	90	107
PJM RTO	5	17	33	47	60	76	96	125	161	206	258	314	375	445	521	610

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

Table B-8c

PLUG IN ELECTRIC VEHICLE ADJUSTMENT TO SUMMER PEAK LOAD (MW) FOR
EACH PJM ZONE AND RTO
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	10	14	18	23	29	35	41	46	52	58	64	69	74	79	88	91
BGE	28	40	52	66	83	101	118	135	152	169	186	202	218	233	257	268
DPL	9	12	14	17	21	25	29	33	37	41	44	48	51	54	60	62
JCPL	24	34	43	54	68	82	96	109	122	136	149	162	175	187	206	215
METED	4	4	5	5	6	6	7	7	8	8	9	9	9	10	10	11
PECO	11	12	13	14	15	17	18	20	21	22	23	24	25	26	28	29
PENLC	4	4	4	5	5	6	6	7	7	8	8	8	9	9	10	10
PEPCO	23	34	44	55	70	84	99	113	127	141	156	169	183	195	216	226
PL	9	10	11	12	13	15	16	17	18	19	20	21	22	23	25	25
PS	39	56	72	90	113	136	159	181	204	226	248	270	291	311	343	357
RECO	2	2	3	4	5	5	6	7	8	9	10	11	12	12	14	14
UGI	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
AEP	21	24	28	37	48	57	67	75	83	91	98	104	110	114	124	126
APS	13	16	19	24	30	36	42	47	53	58	63	68	73	77	84	87
ATSI	12	14	15	16	18	19	21	22	24	25	26	27	28	29	32	32
COMED	53	75	96	121	152	183	214	243	273	303	332	361	388	413	455	473
DAYTON	3	4	4	4	5	5	6	6	6	7	7	7	8	8	9	9
DEOK	5	5	6	6	7	8	8	9	9	10	10	11	11	12	13	13
DLCO	4	4	4	5	5	5	6	6	7	7	8	8	8	9	9	9
EKPC	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	32	41	56	100	147	192	234	272	309	343	374	401	426	446	482	492
PJM RTO	307	406	509	661	842	1,020	1,194	1,359	1,523	1,683	1,838	1,987	2,125	2,252	2,467	2,555

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

Table B-9
ADJUSTMENTS TO SUMMER PEAK LOAD (MW) FOR
EACH PJM ZONE AND RTO
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APS	187	221	249	261	266	274	285	291	306	315	322	325	333	346	358	356
ATSI	66	109	132	148	165	174	181	186	191	191	191	191	190	192	194	192
COMED	-108	-141	-181	-220	-221	-224	-227	-231	-218	-221	-231	-220	-219	-222	-229	-219
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	752	1,380	2,087	2,844	3,604	3,840	4,079	4,353	4,600	4,857	5,100	5,361	5,600	5,895	6,188	6,444
PJM RTO	897	1,643	2,344	3,061	3,885	4,166	4,441	4,624	4,834	5,118	5,505	5,754	6,002	6,297	6,588	6,798

Notes:
Adjustment values presented here are reflected in summer peak forecasts.
Adjustments are large, unanticipated changes deemed by PJM to not be captured in the load forecast model.

Table B-10
SUMMER COINCIDENT PEAK LOAD (MW) FOR
EACH PJM ZONE, LOCATIONAL DELIVERABILITY AREA AND RTO
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	2,398	2,400	2,399	2,391	2,397	2,399	2,412	2,424	2,434	2,444	2,450	2,460	2,475	2,494	2,500	2,516
BGE	6,235	6,204	6,211	6,198	6,206	6,202	6,208	6,212	6,202	6,170	6,148	6,129	6,120	6,142	6,151	6,168
DPL	3,757	3,762	3,787	3,786	3,796	3,793	3,802	3,812	3,809	3,768	3,727	3,702	3,678	3,682	3,674	3,686
JCPL	5,654	5,622	5,585	5,595	5,620	5,596	5,606	5,631	5,655	5,687	5,699	5,722	5,739	5,793	5,819	5,869
METED	2,850	2,850	2,859	2,866	2,890	2,895	2,899	2,911	2,936	2,955	2,972	2,984	2,993	3,018	3,033	3,068
PECO	8,121	8,110	8,131	8,116	8,123	8,100	8,112	8,129	8,153	8,167	8,158	8,164	8,166	8,207	8,224	8,268
PENLC	2,717	2,708	2,708	2,712	2,720	2,710	2,711	2,708	2,726	2,740	2,740	2,741	2,737	2,740	2,762	2,775
PEPCO	5,744	5,726	5,734	5,741	5,735	5,721	5,692	5,683	5,650	5,629	5,594	5,562	5,517	5,526	5,528	5,544
PL	6,847	6,829	6,844	6,868	6,896	6,905	6,920	6,956	6,973	7,006	7,029	7,047	7,060	7,105	7,128	7,181
PS	9,279	9,273	9,264	9,258	9,328	9,288	9,324	9,384	9,435	9,507	9,499	9,540	9,603	9,713	9,743	9,834
RECO	377	376	374	373	373	372	372	373	373	373	373	373	373	375	376	377
UGI	187	186	186	185	186	185	185	185	184	184	184	184	183	184	183	184
AEP	21,525	21,544	21,659	21,656	21,686	21,662	21,689	21,728	21,738	21,751	21,723	21,752	21,748	21,869	21,877	21,962
APS	8,431	8,492	8,535	8,571	8,577	8,548	8,528	8,527	8,535	8,529	8,509	8,486	8,491	8,515	8,527	8,563
ATSI	11,885	11,927	12,014	12,039	12,107	12,097	12,080	12,136	12,155	12,144	12,135	12,137	12,103	12,166	12,163	12,199
COMED	20,119	19,955	19,827	19,702	19,668	19,623	19,572	19,590	19,537	19,498	19,447	19,423	19,334	19,386	19,350	19,359
DAYTON	3,145	3,140	3,149	3,149	3,159	3,150	3,152	3,153	3,159	3,161	3,153	3,153	3,152	3,166	3,175	3,187
DEOK	5,036	5,054	5,087	5,115	5,145	5,146	5,150	5,162	5,176	5,192	5,190	5,196	5,198	5,226	5,238	5,271
DLCO	2,641	2,654	2,678	2,692	2,707	2,710	2,709	2,719	2,720	2,728	2,725	2,722	2,716	2,729	2,736	2,747
EKPC	2,030	2,051	2,078	2,104	2,129	2,141	2,143	2,148	2,151	2,157	2,157	2,160	2,165	2,177	2,185	2,193
OVEC	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
DOM	19,890	20,418	21,128	21,977	22,743	23,008	23,352	23,692	24,001	24,414	24,697	25,060	25,356	25,854	26,259	26,669
PJM RTO	148,938	149,351	150,307	151,164	152,261	152,321	152,688	153,333	153,772	154,274	154,379	154,767	154,977	156,137	156,701	157,690
PJM MID-ATLANTIC	54,166	54,046	54,082	54,089	54,270	54,166	54,243	54,408	54,530	54,630	54,573	54,608	54,644	54,979	55,121	55,470
EASTERN MID-ATLANTIC	29,586	29,543	29,540	29,519	29,637	29,548	29,628	29,753	29,859	29,946	29,906	29,961	30,034	30,264	30,336	30,550
SOUTHERN MID-ATLANTIC	11,979	11,930	11,945	11,939	11,941	11,923	11,900	11,895	11,852	11,799	11,742	11,691	11,637	11,668	11,679	11,712

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 2022
SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
2022 - 2037**

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Annual Growth Rate (10 yr)
PJM - RELIABILITY FIRST												
TOTAL INTERNAL DEMAND	127,018	126,882	127,103	127,084	127,387	127,173	127,194	127,494	127,623	127,704	127,527	0.0%
% GROWTH TOTAL		-0.1%	0.2%	-0.0%	0.2%	-0.2%	0.0%	0.2%	0.1%	0.1%	-0.1%	
CONTRACTUALLY INTERRUPTIBLE	6,112	6,239	6,251	6,252	6,253	6,248	6,246	6,259	6,266	6,269	6,263	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,112	6,239	6,251	6,252	6,253	6,248	6,246	6,259	6,266	6,269	6,263	
NET INTERNAL DEMAND	120,906	120,643	120,852	120,832	121,134	120,925	120,948	121,235	121,357	121,435	121,264	0.0%
% GROWTH NET		-0.2%	0.2%	-0.0%	0.2%	-0.2%	0.0%	0.2%	0.1%	0.1%	-0.1%	
PJM - SERC												
TOTAL INTERNAL DEMAND	21,920	22,469	23,206	24,081	24,872	25,149	25,495	25,840	26,152	26,571	26,854	2.1%
% GROWTH TOTAL		2.5%	3.3%	3.8%	3.3%	1.1%	1.4%	1.4%	1.2%	1.6%	1.1%	
CONTRACTUALLY INTERRUPTIBLE	805	826	853	881	908	919	930	941	953	966	977	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	805	826	853	881	908	919	930	941	953	966	977	
NET INTERNAL DEMAND	21,115	21,643	22,353	23,200	23,964	24,230	24,565	24,899	25,199	25,605	25,877	2.1%
% GROWTH NET		2.5%	3.3%	3.8%	3.3%	1.1%	1.4%	1.4%	1.2%	1.6%	1.1%	
PJM RTO												
TOTAL INTERNAL DEMAND	148,938	149,351	150,309	151,165	152,259	152,322	152,689	153,334	153,775	154,275	154,381	0.4%
% GROWTH TOTAL		0.3%	0.6%	0.6%	0.7%	0.0%	0.2%	0.4%	0.3%	0.3%	0.1%	
CONTRACTUALLY INTERRUPTIBLE	6,917	7,065	7,104	7,133	7,161	7,167	7,176	7,200	7,219	7,235	7,240	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,917	7,065	7,104	7,133	7,161	7,167	7,176	7,200	7,219	7,235	7,240	
NET INTERNAL DEMAND	142,021	142,286	143,205	144,032	145,098	145,155	145,513	146,134	146,556	147,040	147,141	0.4%
% GROWTH NET		0.2%	0.6%	0.6%	0.7%	0.0%	0.2%	0.4%	0.3%	0.3%	0.1%	

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 (2022).

Table B-11 (Continued)

PJM CONTROL AREA - JANUARY 2022
 SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
 2022 - 2037

	2033	2034	2035	2036	2037	Annual Growth Rate (15 yr)
PJM - RELIABILITY FIRST						
TOTAL INTERNAL DEMAND	127,547	127,456	128,104	128,256	128,827	0.1%
% GROWTH TOTAL	0.0%	-0.1%	0.5%	0.1%	0.4%	
CONTRACTUALLY INTERRUPTIBLE	6,263	6,259	6,272	6,288	6,304	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,263	6,259	6,272	6,288	6,304	
NET INTERNAL DEMAND	121,284	121,197	121,832	121,968	122,523	0.1%
% GROWTH NET	0.0%	-0.1%	0.5%	0.1%	0.5%	
PJM - SERC						
TOTAL INTERNAL DEMAND	27,220	27,521	28,031	28,444	28,862	1.9%
% GROWTH TOTAL	1.4%	1.1%	1.9%	1.5%	1.5%	
CONTRACTUALLY INTERRUPTIBLE	990	1,001	1,014	1,029	1,044	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	990	1,001	1,014	1,029	1,044	
NET INTERNAL DEMAND	26,230	26,520	27,017	27,415	27,818	1.9%
% GROWTH NET	1.4%	1.1%	1.9%	1.5%	1.5%	
PJM RTO						
TOTAL INTERNAL DEMAND	154,767	154,977	156,135	156,700	157,689	0.4%
% GROWTH TOTAL	0.3%	0.1%	0.7%	0.4%	0.6%	
CONTRACTUALLY INTERRUPTIBLE	7,253	7,260	7,286	7,317	7,348	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	7,253	7,260	7,286	7,317	7,348	
NET INTERNAL DEMAND	147,514	147,717	148,849	149,383	150,341	0.4%
% GROWTH NET	0.3%	0.1%	0.8%	0.4%	0.6%	

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 (2022).

Table B-12

**PJM CONTROL AREA - JANUARY 2022
WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
2021/22 - 2031/32**

	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	Annual Growth Rate (10 yr)
PJM - RELIABILITY FIRST												
TOTAL INTERNAL DEMAND	67,976	67,775	68,009	68,250	68,469	68,660	68,956	68,966	69,222	69,334	69,479	0.2%
% GROWTH TOTAL		-0.3%	0.3%	0.4%	0.3%	0.3%	0.4%	0.0%	0.4%	0.2%	0.2%	
CONTRACTUALLY INTERRUPTIBLE	5,550	5,550	5,560	5,561	5,562	5,558	5,558	5,569	5,578	5,583	5,581	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	5,550	5,550	5,560	5,561	5,562	5,558	5,558	5,569	5,578	5,583	5,581	
NET INTERNAL DEMAND	62,426	62,225	62,449	62,689	62,907	63,102	63,398	63,397	63,644	63,751	63,898	0.2%
% GROWTH NET		-0.3%	0.4%	0.4%	0.3%	0.3%	0.5%	-0.0%	0.4%	0.2%	0.2%	
PJM - SERC												
TOTAL INTERNAL DEMAND	64,126	65,205	66,351	67,271	68,454	69,283	69,853	70,352	70,887	71,348	72,037	1.2%
% GROWTH TOTAL		1.7%	1.8%	1.4%	1.8%	1.2%	0.8%	0.7%	0.8%	0.7%	1.0%	
CONTRACTUALLY INTERRUPTIBLE	803	824	850	878	905	916	927	938	950	963	974	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	803	824	850	878	905	916	927	938	950	963	974	
NET INTERNAL DEMAND	63,323	64,381	65,501	66,393	67,549	68,367	68,926	69,414	69,937	70,385	71,063	1.2%
% GROWTH NET		1.7%	1.7%	1.4%	1.7%	1.2%	0.8%	0.7%	0.8%	0.6%	1.0%	
PJM RTO												
TOTAL INTERNAL DEMAND	132,102	132,980	134,360	135,521	136,923	137,943	138,809	139,318	140,109	140,682	141,516	0.7%
% GROWTH TOTAL		0.7%	1.0%	0.9%	1.0%	0.7%	0.6%	0.4%	0.6%	0.4%	0.6%	
CONTRACTUALLY INTERRUPTIBLE	6,353	6,374	6,410	6,439	6,467	6,474	6,485	6,507	6,528	6,546	6,555	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,353	6,374	6,410	6,439	6,467	6,474	6,485	6,507	6,528	6,546	6,555	
NET INTERNAL DEMAND	125,749	126,606	127,950	129,082	130,456	131,469	132,324	132,811	133,581	134,136	134,961	0.7%
% GROWTH NET		0.7%	1.1%	0.9%	1.1%	0.8%	0.7%	0.4%	0.6%	0.4%	0.6%	

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 (2022).

Table B-12 (Continued)

PJM CONTROL AREA - JANUARY 2022
WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
2021/22 - 2031/32

	32/33	33/34	34/35	35/36	36/37	Annual Growth Rate (15 yr)
PJM - RELIABILITY FIRST						
TOTAL INTERNAL DEMAND	69,834	69,934	70,089	70,486	70,612	0.3%
% GROWTH TOTAL	0.5%	0.1%	0.2%	0.6%	0.2%	
CONTRACTUALLY INTERRUPTIBLE	5,583	5,583	5,596	5,610	5,624	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	5,583	5,583	5,596	5,610	5,624	
NET INTERNAL DEMAND	64,251	64,351	64,493	64,876	64,988	0.3%
% GROWTH NET	0.6%	0.2%	0.2%	0.6%	0.2%	
PJM - SERC						
TOTAL INTERNAL DEMAND	72,480	73,033	73,546	74,154	74,608	1.0%
% GROWTH TOTAL	0.6%	0.8%	0.7%	0.8%	0.6%	
CONTRACTUALLY INTERRUPTIBLE	987	998	1,011	1,026	1,041	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	987	998	1,011	1,026	1,041	
NET INTERNAL DEMAND	71,493	72,035	72,535	73,128	73,567	1.0%
% GROWTH NET	0.6%	0.8%	0.7%	0.8%	0.6%	
PJM RTO						
TOTAL INTERNAL DEMAND	142,314	142,967	143,635	144,640	145,220	0.6%
% GROWTH TOTAL	0.6%	0.5%	0.5%	0.7%	0.4%	
CONTRACTUALLY INTERRUPTIBLE	6,570	6,581	6,607	6,636	6,665	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,570	6,581	6,607	6,636	6,665	
NET INTERNAL DEMAND	135,744	136,386	137,028	138,004	138,555	0.6%
% GROWTH NET	0.6%	0.5%	0.5%	0.7%	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 (2022).

Table C-1

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

BASE (50/50) FORECAST

YEAR	SPRING	SUMMER	FALL	WINTER
2022	18,220	22,261	18,658	21,101
2023	18,189	22,227	18,633	21,102
2024	18,216	22,239	18,629	21,204
2025	18,161	22,265	18,646	21,217
2026	18,179	22,283	18,683	21,259
2027	18,230	22,282	18,726	21,342
2028	18,290	22,306	18,726	21,529
2029	18,374	22,356	18,753	21,451
2030	18,383	22,345	18,778	21,615
2031	18,302	22,373	18,852	21,586
2032	18,452	22,369	18,912	21,656
2033	18,500	22,348	18,916	21,837
2034	18,531	22,314	18,923	21,877
2035	18,501	22,299	18,955	21,970
2036	18,424	22,373	19,147	22,071
2037	18,561	22,410	19,249	22,038

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING	SUMMER	FALL	WINTER
2022	20,085	23,706	20,221	23,012
2023	20,084	23,694	20,135	23,080
2024	19,946	23,702	20,021	23,168
2025	20,097	23,710	20,098	23,209
2026	20,207	23,702	20,081	23,287
2027	20,279	23,722	20,190	23,360
2028	20,136	23,749	20,177	23,462
2029	20,179	23,780	20,095	23,505
2030	20,231	23,772	20,137	23,488
2031	20,268	23,725	20,250	23,589
2032	20,441	23,707	20,323	23,671
2033	20,426	23,711	20,331	23,779
2034	20,444	23,749	20,337	23,831
2035	20,385	23,773	20,317	23,883
2036	20,357	23,790	20,441	23,963
2037	20,603	23,873	20,510	24,054

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

YEAR	SPRING	SUMMER	FALL	WINTER
2022	11,083	12,911	11,046	12,749
2023	11,056	12,874	11,024	12,727
2024	11,053	12,919	10,978	12,744
2025	11,029	12,965	10,981	12,726
2026	11,042	12,985	10,997	12,721
2027	11,064	13,018	11,049	12,760
2028	11,074	13,024	11,056	12,799
2029	11,095	13,072	11,081	12,820
2030	11,127	13,160	11,120	12,813
2031	11,118	13,227	11,176	12,833
2032	11,169	13,275	11,247	12,834
2033	11,183	13,308	11,265	12,896
2034	11,203	13,333	11,277	12,911
2035	11,227	13,367	11,302	12,924
2036	11,193	13,459	11,355	12,922
2037	11,236	13,518	11,411	12,918

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING	SUMMER	FALL	WINTER
2022	12,266	13,810	11,809	13,771
2023	12,226	13,774	11,798	13,761
2024	12,067	13,876	11,725	13,760
2025	11,967	13,893	11,772	13,737
2026	12,225	13,870	11,767	13,753
2027	12,322	13,893	11,814	13,786
2028	12,213	13,952	11,845	13,813
2029	12,234	14,014	11,827	13,834
2030	12,227	14,126	11,873	13,850
2031	12,029	14,187	11,992	13,836
2032	12,378	14,210	12,045	13,857
2033	12,308	14,261	12,082	13,909
2034	12,315	14,314	12,053	13,929
2035	12,270	14,373	12,081	13,933
2036	12,213	14,444	12,204	13,941
2037	12,344	14,518	12,260	13,930

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

YEAR	SPRING	SUMMER	FALL	WINTER
2022	21,524	30,333	24,325	22,211
2023	21,507	30,309	24,302	22,326
2024	21,518	30,275	24,257	22,422
2025	21,283	30,254	24,321	22,499
2026	21,159	30,298	24,337	22,617
2027	21,140	30,344	24,401	22,741
2028	21,503	30,470	24,470	22,886
2029	21,647	30,571	24,569	22,989
2030	21,746	30,642	24,734	23,135
2031	21,635	30,699	24,907	23,229
2032	21,568	30,742	25,049	23,387
2033	21,722	30,788	25,143	23,568
2034	21,925	30,881	25,254	23,704
2035	22,014	30,998	25,327	23,810
2036	22,111	31,092	25,584	24,009
2037	22,172	31,140	25,723	24,116

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING	SUMMER	FALL	WINTER
2022	24,148	32,524	26,619	23,455
2023	24,097	32,497	27,113	23,550
2024	24,035	32,503	27,192	23,638
2025	23,937	32,514	27,181	23,744
2026	23,814	32,570	26,571	23,864
2027	23,830	32,549	26,704	23,978
2028	24,037	32,668	27,404	24,138
2029	24,119	32,811	27,031	24,233
2030	24,170	32,918	27,723	24,404
2031	24,203	33,014	27,837	24,486
2032	24,244	33,080	27,603	24,649
2033	24,306	33,153	27,797	24,825
2034	24,413	33,277	28,115	24,970
2035	24,463	33,410	28,220	25,093
2036	24,518	33,620	28,360	25,294
2037	24,578	33,776	28,321	25,429

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

YEAR	SPRING	SUMMER	FALL	WINTER
2022	9,665	12,279	10,355	11,023
2023	9,669	12,260	10,334	11,103
2024	9,709	12,246	10,323	11,192
2025	9,665	12,259	10,358	11,207
2026	9,648	12,245	10,346	11,269
2027	9,661	12,235	10,366	11,322
2028	9,682	12,213	10,366	11,398
2029	9,700	12,206	10,332	11,429
2030	9,687	12,160	10,337	11,475
2031	9,671	12,116	10,336	11,466
2032	9,701	12,059	10,354	11,546
2033	9,743	11,997	10,347	11,609
2034	9,730	11,971	10,343	11,660
2035	9,760	12,004	10,364	11,722
2036	9,795	12,037	10,415	11,837
2037	9,881	12,050	10,471	11,889

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING	SUMMER	FALL	WINTER
2022	10,510	13,000	11,293	12,179
2023	10,536	12,970	11,276	12,268
2024	10,550	12,993	11,271	12,355
2025	10,524	12,973	11,275	12,414
2026	10,538	12,965	11,285	12,462
2027	10,593	12,973	11,306	12,511
2028	10,603	12,979	11,312	12,568
2029	10,630	12,973	11,188	12,612
2030	10,602	12,928	11,274	12,638
2031	10,605	12,898	11,273	12,680
2032	10,622	12,852	11,325	12,729
2033	10,616	12,826	11,316	12,783
2034	10,622	12,797	11,265	12,829
2035	10,622	12,810	11,253	12,886
2036	10,661	12,849	11,420	12,969
2037	10,773	12,868	11,461	13,035

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
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	2,691	2,693	2,692	2,695	2,698	2,713	2,724	2,739	2,748	2,756	2,771	2,780	2,794	2,804	2,820	2,838
BGE	6,868	6,854	6,871	6,872	6,865	6,875	6,887	6,899	6,901	6,923	6,942	6,959	6,957	6,949	6,937	6,943
DPL	4,192	4,197	4,193	4,203	4,212	4,223	4,238	4,245	4,247	4,220	4,208	4,178	4,163	4,149	4,141	4,167
JCPL	6,242	6,205	6,195	6,191	6,195	6,209	6,228	6,255	6,290	6,319	6,335	6,366	6,395	6,435	6,481	6,515
METED	3,264	3,271	3,259	3,272	3,297	3,301	3,342	3,332	3,358	3,383	3,404	3,450	3,470	3,460	3,498	3,525
PECO	9,370	9,385	9,341	9,337	9,355	9,350	9,424	9,391	9,412	9,437	9,461	9,543	9,559	9,550	9,544	9,636
PENLC	2,972	2,975	2,973	2,970	2,970	2,970	2,982	2,990	2,999	3,004	3,009	3,013	3,018	3,028	3,031	3,038
PEPCO	6,180	6,171	6,153	6,127	6,117	6,111	6,116	6,111	6,061	6,046	6,039	6,037	6,042	6,048	6,070	6,085
PL	7,499	7,511	7,557	7,556	7,561	7,570	7,608	7,644	7,699	7,732	7,729	7,800	7,798	7,835	7,909	7,930
PS	10,324	10,315	10,353	10,371	10,382	10,392	10,425	10,510	10,539	10,596	10,688	10,705	10,765	10,873	10,931	10,999
RECO	436	433	431	430	430	429	431	432	432	432	432	433	434	435	436	435
UGI	211	211	210	209	209	208	208	208	208	208	208	207	207	207	208	207
DIVERSITY - MID-ATLANTIC(-)	1,346	1,351	1,364	1,375	1,415	1,415	1,564	1,476	1,451	1,563	1,733	1,967	1,899	1,913	1,917	2,021
PJM MID-ATLANTIC	58,903	58,870	58,864	58,858	58,876	58,936	59,049	59,280	59,443	59,493	59,493	59,504	59,703	59,860	60,089	60,297
FE-EAST	12,267	12,235	12,217	12,251	12,216	12,251	12,290	12,353	12,431	12,487	12,521	12,601	12,601	12,677	12,737	12,778
PLGRP	7,709	7,712	7,752	7,752	7,768	7,769	7,803	7,845	7,903	7,939	7,929	8,000	7,993	8,036	8,109	8,125

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
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AEP	23,286	23,342	23,387	23,413	23,413	23,422	23,439	23,438	23,427	23,444	23,479	23,517	23,561	23,606	23,652	23,692
APS	9,230	9,268	9,318	9,352	9,368	9,342	9,342	9,340	9,358	9,371	9,381	9,398	9,416	9,408	9,466	9,490
ATSI	13,294	13,366	13,415	13,437	13,471	13,501	13,522	13,552	13,559	13,555	13,560	13,577	13,570	13,587	13,595	13,600
COMED	22,287	21,909	21,958	21,797	21,711	21,589	21,569	21,546	21,511	21,444	21,354	21,309	21,263	21,204	21,194	21,133
DAYTON	3,454	3,452	3,455	3,459	3,463	3,468	3,472	3,467	3,474	3,476	3,478	3,482	3,483	3,487	3,494	3,502
DEOK	5,541	5,570	5,603	5,628	5,644	5,659	5,685	5,696	5,705	5,713	5,716	5,729	5,744	5,759	5,776	5,789
DLCO	2,908	2,931	2,950	2,965	2,981	2,990	2,998	3,003	3,010	3,015	3,020	3,014	3,025	3,031	3,038	3,046
EKPC	2,250	2,280	2,306	2,330	2,355	2,368	2,374	2,378	2,383	2,387	2,393	2,398	2,408	2,415	2,418	2,430
OVEC	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
DIVERSITY - WESTERN(-)	2,368	2,183	2,060	2,048	2,292	2,375	2,131	2,116	2,133	2,224	2,520	2,260	2,295	2,255	2,407	2,399
PJM WESTERN	79,972	80,025	80,422	80,423	80,204	80,054	80,360	80,394	80,384	80,271	79,951	80,254	80,265	80,332	80,316	80,373
DOM	21,623	22,241	22,960	23,773	24,616	24,925	25,276	25,611	25,942	26,304	26,697	27,094	27,522	27,989	28,424	28,893
DIVERSITY - TOTAL(-)	7,284	6,977	6,692	6,711	7,064	7,427	7,103	6,952	6,968	7,265	7,618	7,932	7,918	8,036	8,140	8,579
PJM RTO	156,928	157,693	158,978	159,766	160,339	160,278	161,277	161,925	162,385	162,590	162,776	163,147	163,766	164,313	165,013	165,404

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
2021/22 - 2036/37

	21/22	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
AE	1,681	1,691	1,698	1,706	1,716	1,726	1,737	1,746	1,758	1,769	1,782	1,794	1,810	1,823	1,850	1,866
BGE	6,318	6,354	6,398	6,427	6,466	6,502	6,541	6,580	6,610	6,646	6,683	6,720	6,755	6,790	6,838	6,874
DPL	4,153	4,190	4,221	4,235	4,255	4,291	4,326	4,367	4,387	4,411	4,433	4,475	4,513	4,541	4,564	4,584
JCPL	3,852	3,863	3,881	3,897	3,923	3,951	3,980	4,005	4,034	4,060	4,093	4,126	4,159	4,186	4,236	4,269
METED	2,812	2,799	2,800	2,803	2,809	2,811	2,816	2,821	2,827	2,831	2,839	2,843	2,848	2,853	2,858	2,864
PECO	7,129	7,130	7,140	7,132	7,134	7,129	7,141	7,148	7,157	7,141	7,149	7,162	7,171	7,174	7,185	7,175
PENLC	2,964	2,956	2,960	2,954	2,932	2,925	2,947	2,951	2,950	2,944	2,923	2,941	2,939	2,942	2,938	2,913
PEPCO	5,870	5,918	5,962	5,987	5,997	6,009	6,037	6,035	6,029	6,034	6,046	6,073	6,074	6,098	6,139	6,162
PL	7,817	7,825	7,841	7,817	7,830	7,847	7,876	7,907	7,898	7,901	7,917	7,952	7,979	7,989	7,977	7,977
PS	6,856	6,900	6,956	7,000	7,061	7,114	7,170	7,230	7,290	7,354	7,426	7,490	7,557	7,632	7,725	7,821
RECO	234	235	235	236	237	239	240	241	243	244	245	247	249	250	253	254
UGI	211	210	210	209	208	208	207	207	206	206	205	205	205	205	204	203
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	701 49,196	725 49,346	726 49,576	787 49,616	636 49,932	661 50,091	711 50,307	731 50,507	829 50,560	811 50,730	659 51,082	733 51,295	764 51,495	794 51,689	817 51,950	783 52,179
FE-EAST PLGRP	9,517 8,019	9,502 8,028	9,523 8,043	9,544 8,019	9,573 8,032	9,597 8,049	9,638 8,073	9,662 8,105	9,693 8,098	9,723 8,100	9,759 8,116	9,807 8,148	9,836 8,175	9,868 8,184	9,913 8,174	9,944 8,173

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
2022 - 2037

	21/22	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
AEP	24,019	24,074	24,192	24,290	24,312	24,399	24,452	24,506	24,494	24,584	24,577	24,669	24,713	24,754	24,751	24,793
APS	9,751	9,772	9,846	9,894	9,932	9,952	9,981	9,999	10,017	10,041	10,065	10,089	10,102	10,120	10,147	10,173
ATSI	10,591	10,621	10,683	10,688	10,697	10,687	10,694	10,696	10,689	10,680	10,669	10,670	10,669	10,672	10,658	10,635
COMED	15,856	15,844	15,862	15,856	15,904	15,955	16,006	16,045	16,085	16,112	16,161	16,221	16,251	16,313	16,378	16,411
DAYTON	3,119	3,113	3,124	3,121	3,132	3,135	3,142	3,143	3,133	3,136	3,147	3,157	3,157	3,166	3,162	3,178
DEOK	4,820	4,858	4,893	4,901	4,921	4,933	4,947	4,975	4,968	4,978	4,991	5,003	5,030	5,044	5,045	5,060
DLCO	2,092	2,099	2,111	2,114	2,117	2,120	2,126	2,131	2,130	2,132	2,135	2,140	2,142	2,143	2,145	2,147
EKPC	3,109	3,139	3,160	3,169	3,180	3,195	3,206	3,218	3,223	3,234	3,245	3,262	3,272	3,283	3,289	3,301
OVEC	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
DIVERSITY - WESTERN(-)	1,635	1,637	1,643	1,636	1,584	1,638	1,628	1,620	1,588	1,646	1,559	1,608	1,598	1,618	1,590	1,572
PJM WESTERN	71,837	71,998	72,343	72,512	72,726	72,853	73,041	73,208	73,266	73,366	73,546	73,718	73,853	73,992	74,100	74,241
DOM	24,007	24,745	25,594	26,524	27,498	28,215	28,635	29,040	29,443	29,860	30,272	30,720	31,133	31,584	32,044	32,432
DIVERSITY - TOTAL(-)	4,598	4,669	4,787	4,649	4,597	4,656	4,646	4,879	5,035	4,786	4,653	4,679	4,883	5,006	5,136	4,947
PJM RTO	142,778	143,782	145,095	146,426	147,779	148,802	149,676	150,227	150,651	151,627	152,465	153,395	153,960	154,671	155,365	156,260

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
2022 - 2032

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Annual Growth Rate (10 yr)
AE	9,440	9,411	9,398	9,341	9,333	9,376	9,484	9,551	9,645	9,752	9,897	0.5%
		-0.3%	-0.1%	-0.6%	-0.1%	0.5%	1.2%	0.7%	1.0%	1.1%	1.5%	
BGE	30,746	30,773	30,971	30,990	31,121	31,317	31,656	31,802	31,989	32,204	32,537	0.6%
		0.1%	0.6%	0.1%	0.4%	0.6%	1.1%	0.5%	0.6%	0.7%	1.0%	
DPL	18,356	18,374	18,425	18,384	18,401	18,466	18,619	18,668	18,723	18,748	18,830	0.3%
		0.1%	0.3%	-0.2%	0.1%	0.4%	0.8%	0.3%	0.3%	0.1%	0.4%	
JCPL	21,635	21,561	21,590	21,542	21,606	21,733	21,991	22,168	22,397	22,671	23,043	0.6%
		-0.3%	0.1%	-0.2%	0.3%	0.6%	1.2%	0.8%	1.0%	1.2%	1.6%	
METED	15,409	15,379	15,416	15,393	15,423	15,465	15,545	15,562	15,595	15,659	15,775	0.2%
		-0.2%	0.2%	-0.1%	0.2%	0.3%	0.5%	0.1%	0.2%	0.4%	0.7%	
PECO	39,254	39,266	39,281	39,076	38,988	38,969	39,117	39,071	39,095	39,172	39,376	0.0%
		0.0%	0.0%	-0.5%	-0.2%	-0.0%	0.4%	-0.1%	0.1%	0.2%	0.5%	
PENLC	16,802	16,745	16,737	16,646	16,619	16,615	16,674	16,652	16,654	16,686	16,768	(0.0%)
		-0.3%	-0.0%	-0.5%	-0.2%	-0.0%	0.4%	-0.1%	0.0%	0.2%	0.5%	
PEPCO	28,020	28,076	28,185	28,107	28,063	28,081	28,189	28,134	28,049	28,055	28,208	0.1%
		0.2%	0.4%	-0.3%	-0.2%	0.1%	0.4%	-0.2%	-0.3%	0.0%	0.5%	
PL	39,554	39,540	39,683	39,611	39,673	39,774	40,014	40,055	40,163	40,329	40,630	0.3%
		-0.0%	0.4%	-0.2%	0.2%	0.3%	0.6%	0.1%	0.3%	0.4%	0.7%	
PS	42,166	42,203	42,425	42,444	42,653	42,948	43,465	43,824	44,269	44,800	45,518	0.8%
		0.1%	0.5%	0.0%	0.5%	0.7%	1.2%	0.8%	1.0%	1.2%	1.6%	
RECO	1,402	1,395	1,388	1,379	1,377	1,379	1,394	1,399	1,408	1,424	1,440	0.3%
		-0.5%	-0.5%	-0.6%	-0.1%	0.1%	1.1%	0.4%	0.6%	1.1%	1.1%	
UGI	1,024	1,020	1,018	1,009	1,007	1,004	1,007	1,000	998	997	999	(0.2%)
		-0.4%	-0.2%	-0.9%	-0.2%	-0.3%	0.3%	-0.7%	-0.2%	-0.1%	0.2%	
PJM MID-ATLANTIC	263,808	263,743	264,517	263,922	264,264	265,127	267,155	267,886	268,985	270,497	273,021	0.3%
		-0.0%	0.3%	-0.2%	0.1%	0.3%	0.8%	0.3%	0.4%	0.6%	0.9%	
FE-EAST	53,846	53,685	53,743	53,581	53,648	53,813	54,210	54,382	54,646	55,016	55,586	0.3%
		-0.3%	0.1%	-0.3%	0.1%	0.3%	0.7%	0.3%	0.5%	0.7%	1.0%	
PLGRP	40,578	40,560	40,701	40,620	40,680	40,778	41,021	41,055	41,161	41,326	41,629	0.3%
		-0.0%	0.3%	-0.2%	0.1%	0.2%	0.6%	0.1%	0.3%	0.4%	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 (2022).

Table E-1 (continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2033 - 2037

	2033	2034	2035	2036	2037	Annual Growth Rate (15 yr)
AE	9,984 0.9%	10,114 1.3%	10,256 1.4%	10,476 2.1%	10,598 1.2%	0.8%
BGE	32,684 0.5%	32,955 0.8%	33,288 1.0%	33,917 1.9%	34,231 0.9%	0.7%
DPL	18,805 -0.1%	18,850 0.2%	18,932 0.4%	19,103 0.9%	19,151 0.3%	0.3%
JCPL	23,263 1.0%	23,582 1.4%	23,944 1.5%	24,492 2.3%	24,816 1.3%	0.9%
METED	15,782 0.0%	15,821 0.2%	15,879 0.4%	15,986 0.7%	16,013 0.2%	0.3%
PECO	39,314 -0.2%	39,364 0.1%	39,451 0.2%	39,667 0.5%	39,674 0.0%	0.1%
PENLC	16,732 -0.2%	16,734 0.0%	16,758 0.1%	16,824 0.4%	16,804 -0.1%	0.0%
PEPCO	28,226 0.1%	28,374 0.5%	28,595 0.8%	29,085 1.7%	29,329 0.8%	0.3%
PL	40,633 0.0%	40,742 0.3%	40,889 0.4%	41,172 0.7%	41,211 0.1%	0.3%
PS	45,929 0.9%	46,535 1.3%	47,227 1.5%	48,253 2.2%	48,861 1.3%	1.0%
RECO	1,451 0.8%	1,466 1.0%	1,484 1.2%	1,515 2.1%	1,530 1.0%	0.6%
UGI	995 -0.4%	994 -0.1%	993 -0.1%	993 0.0%	990 -0.3%	(0.2%)
PJM MID-ATLANTIC	273,798 0.3%	275,531 0.6%	277,696 0.8%	281,483 1.4%	283,208 0.6%	0.5%
FE-EAST	55,777 0.3%	56,137 0.6%	56,581 0.8%	57,302 1.3%	57,633 0.6%	0.5%
PLGRP	41,628 -0.0%	41,736 0.3%	41,882 0.3%	42,165 0.7%	42,201 0.1%	0.3%

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 (2022).

Table E-1
ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2022 - 2032

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Annual Growth Rate (10 yr)
AEP	127,782	128,128	128,860	128,815	129,004	129,299	130,055	130,085	130,190	130,645	131,491	0.3%
		0.3%	0.6%	-0.0%	0.1%	0.2%	0.6%	0.0%	0.1%	0.3%	0.6%	
APS	50,310	50,569	51,056	51,112	51,191	51,316	51,639	51,658	51,708	51,906	52,265	0.4%
		0.5%	1.0%	0.1%	0.2%	0.2%	0.6%	0.0%	0.1%	0.4%	0.7%	
ATSI	64,441	64,813	65,185	65,125	65,214	65,309	65,584	65,524	65,488	65,591	65,854	0.2%
		0.6%	0.6%	-0.1%	0.1%	0.1%	0.4%	-0.1%	-0.1%	0.2%	0.4%	
COMED	93,463	92,982	92,716	92,036	91,904	92,022	92,524	92,565	92,741	93,102	93,793	0.0%
		-0.5%	-0.3%	-0.7%	-0.1%	0.1%	0.5%	0.0%	0.2%	0.4%	0.7%	
DAYTON	16,829	16,809	16,843	16,804	16,800	16,811	16,878	16,871	16,847	16,884	16,964	0.1%
		-0.1%	0.2%	-0.2%	-0.0%	0.1%	0.4%	-0.0%	-0.1%	0.2%	0.5%	
DEOK	26,679	26,827	27,060	27,102	27,186	27,291	27,473	27,510	27,553	27,654	27,832	0.4%
		0.6%	0.9%	0.2%	0.3%	0.4%	0.7%	0.1%	0.2%	0.4%	0.6%	
DLCO	13,087	13,173	13,275	13,294	13,343	13,380	13,444	13,448	13,463	13,495	13,567	0.4%
		0.7%	0.8%	0.1%	0.4%	0.3%	0.5%	0.0%	0.1%	0.2%	0.5%	
EKPC	11,384	11,483	11,591	11,643	11,727	11,780	11,844	11,846	11,860	11,896	11,968	0.5%
		0.9%	0.9%	0.4%	0.7%	0.5%	0.5%	0.0%	0.1%	0.3%	0.6%	
OVEC	375	375	375	375	375	375	375	375	375	375	375	0.0%
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
PJM WESTERN	404,350	405,159	406,961	406,306	406,744	407,583	409,816	409,882	410,225	411,548	414,109	0.2%
		0.2%	0.4%	-0.2%	0.1%	0.2%	0.5%	0.0%	0.1%	0.3%	0.6%	
DOM	113,160	118,859	125,595	132,352	139,354	142,817	146,136	148,623	151,408	154,427	158,003	3.4%
		5.0%	5.7%	5.4%	5.3%	2.5%	2.3%	1.7%	1.9%	2.0%	2.3%	
PJM RTO	781,318	787,761	797,073	802,580	810,362	815,527	823,107	826,391	830,618	836,472	845,133	0.8%
		0.8%	1.2%	0.7%	1.0%	0.6%	0.9%	0.4%	0.5%	0.7%	1.0%	

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 (2022).

Table E-1 (Continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2022 - 2032

	2033	2034	2035	2036	2037	Annual Growth Rate (15 yr)
AEP	131,558 0.1%	131,935 0.3%	132,439 0.4%	133,276 0.6%	133,390 0.1%	0.3%
APS	52,298 0.1%	52,476 0.3%	52,713 0.5%	53,138 0.8%	53,244 0.2%	0.4%
ATSI	65,735 -0.2%	65,750 0.0%	65,836 0.1%	66,081 0.4%	65,973 -0.2%	0.2%
COMED	93,977 0.2%	94,424 0.5%	94,998 0.6%	96,078 1.1%	96,431 0.4%	0.2%
DAYTON	16,950 -0.1%	16,980 0.2%	17,037 0.3%	17,126 0.5%	17,131 0.0%	0.1%
DEOK	27,860 0.1%	27,962 0.4%	28,091 0.5%	28,289 0.7%	28,339 0.2%	0.4%
DLCO	13,545 -0.2%	13,556 0.1%	13,585 0.2%	13,665 0.6%	13,672 0.1%	0.3%
EKPC	11,971 0.0%	12,002 0.3%	12,042 0.3%	12,103 0.5%	12,108 0.0%	0.4%
OVEC	375 0.0%	375 0.0%	375 0.0%	375 0.0%	375 0.0%	0.0%
PJM WESTERN	414,269 0.0%	415,460 0.3%	417,116 0.4%	420,131 0.7%	420,663 0.1%	0.3%
DOM	160,628 1.7%	163,762 2.0%	166,999 2.0%	170,984 2.4%	173,715 1.6%	2.9%
PJM RTO	848,695 0.4%	854,753 0.7%	861,811 0.8%	872,598 1.3%	877,586 0.6%	0.8%

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 (2022).

Table E-2

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

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	PJM MID-ATLANTIC
Jan 2022	856	3,042	1,863	1,969	1,463	3,668	1,620	2,713	3,965	3,736	122	105	25,122
Feb 2022	741	2,606	1,593	1,711	1,293	3,192	1,445	2,349	3,482	3,264	106	94	21,876
Mar 2022	713	2,525	1,485	1,690	1,327	3,209	1,479	2,276	3,482	3,342	102	93	21,723
Apr 2022	606	2,082	1,210	1,420	1,117	2,745	1,271	1,861	2,873	2,873	93	74	18,225
May 2022	668	2,189	1,282	1,560	1,138	2,937	1,272	2,016	2,873	3,093	105	72	19,205
Jun 2022	825	2,596	1,539	1,891	1,263	3,357	1,324	2,415	3,113	3,680	132	78	22,213
Jul 2022	1,097	3,078	1,883	2,363	1,454	3,984	1,463	2,857	3,566	4,444	156	91	26,436
Aug 2022	1,012	2,889	1,752	2,184	1,426	3,837	1,434	2,714	3,421	4,277	146	85	25,177
Sep 2022	752	2,388	1,401	1,729	1,161	3,126	1,270	2,218	2,923	3,484	116	73	20,641
Oct 2022	650	2,172	1,269	1,543	1,151	2,800	1,310	1,990	2,921	3,134	100	74	19,114
Nov 2022	684	2,358	1,382	1,644	1,227	2,930	1,373	2,109	3,227	3,170	103	86	20,293
Dec 2022	836	2,821	1,697	1,931	1,389	3,469	1,541	2,502	3,708	3,669	121	99	23,783
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2023	862	3,062	1,877	1,977	1,458	3,676	1,617	2,741	3,970	3,764	122	105	25,231
Feb 2023	745	2,620	1,602	1,715	1,287	3,194	1,440	2,369	3,481	3,281	106	93	21,933
Mar 2023	710	2,528	1,483	1,682	1,323	3,208	1,470	2,285	3,482	3,344	101	93	21,709
Apr 2023	600	2,072	1,202	1,401	1,107	2,731	1,256	1,851	2,853	2,852	92	74	18,091
May 2023	663	2,184	1,282	1,556	1,140	2,945	1,269	2,017	2,879	3,101	105	72	19,213
Jun 2023	820	2,582	1,537	1,871	1,258	3,350	1,317	2,408	3,106	3,662	131	77	22,119
Jul 2023	1,092	3,069	1,882	2,342	1,449	3,979	1,456	2,852	3,559	4,426	155	90	26,351
Aug 2023	1,005	2,877	1,749	2,166	1,427	3,837	1,430	2,709	3,420	4,270	145	85	25,120
Sep 2023	744	2,380	1,396	1,714	1,152	3,123	1,262	2,208	2,906	3,472	115	72	20,544
Oct 2023	648	2,185	1,274	1,546	1,160	2,815	1,318	2,004	2,939	3,158	99	74	19,220
Nov 2023	684	2,375	1,386	1,654	1,233	2,942	1,375	2,121	3,240	3,187	103	86	20,386
Dec 2023	838	2,839	1,704	1,937	1,385	3,466	1,535	2,511	3,705	3,686	121	99	23,826
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2024	866	3,089	1,890	1,991	1,464	3,687	1,623	2,764	3,990	3,802	123	105	25,394
Feb 2024	775	2,733	1,668	1,785	1,334	3,314	1,493	2,465	3,616	3,427	110	96	22,816
Mar 2024	702	2,531	1,470	1,669	1,310	3,183	1,450	2,277	3,458	3,326	99	92	21,567
Apr 2024	599	2,093	1,204	1,406	1,123	2,745	1,267	1,864	2,891	2,885	92	74	18,243
May 2024	658	2,186	1,279	1,553	1,139	2,940	1,262	2,013	2,877	3,111	103	72	19,193
Jun 2024	811	2,565	1,528	1,845	1,243	3,312	1,297	2,387	3,079	3,620	128	76	21,891
Jul 2024	1,088	3,083	1,887	2,339	1,461	3,987	1,464	2,864	3,586	4,453	154	90	26,456
Aug 2024	996	2,867	1,741	2,147	1,421	3,811	1,417	2,695	3,406	4,253	143	84	24,981
Sep 2024	735	2,383	1,390	1,703	1,147	3,112	1,255	2,206	2,896	3,471	114	71	20,483
Oct 2024	646	2,202	1,278	1,552	1,167	2,811	1,322	2,013	2,957	3,184	99	74	19,305
Nov 2024	681	2,384	1,381	1,658	1,229	2,919	1,363	2,118	3,231	3,187	102	86	20,339
Dec 2024	841	2,855	1,709	1,942	1,378	3,460	1,524	2,519	3,696	3,706	121	98	23,849

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 2022	12,559	5,018	5,957	8,588	1,617	2,478	1,153	1,221	35	38,626	10,928	74,676
Feb 2022	10,831	4,389	5,299	7,502	1,402	2,139	1,023	995	35	33,615	9,302	64,793
Mar 2022	10,975	4,418	5,579	7,627	1,428	2,187	1,066	977	35	34,292	9,159	65,174
Apr 2022	9,266	3,692	4,736	6,678	1,175	1,874	937	779	25	29,162	7,944	55,331
May 2022	9,649	3,764	4,899	7,017	1,259	2,043	1,009	768	25	30,433	8,500	58,138
Jun 2022	10,362	3,981	5,361	8,075	1,411	2,315	1,147	910	25	33,587	9,440	65,240
Jul 2022	11,509	4,469	6,002	9,257	1,578	2,624	1,317	1,024	35	37,815	10,766	75,017
Aug 2022	11,369	4,382	5,870	9,006	1,564	2,548	1,246	1,001	30	37,016	10,432	72,625
Sep 2022	9,838	3,753	4,974	7,417	1,311	2,162	1,071	854	30	31,410	8,843	60,894
Oct 2022	9,505	3,698	4,912	6,892	1,247	1,927	989	792	30	29,992	8,397	57,503
Nov 2022	10,228	4,020	5,168	7,154	1,325	2,020	1,011	958	35	31,919	8,945	61,157
Dec 2022	11,691	4,726	5,684	8,250	1,512	2,362	1,118	1,105	35	36,483	10,504	70,770
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	OVEC	PJM		PJM RTO
										WESTERN	DOM	
Jan 2023	12,589	5,038	5,983	8,591	1,616	2,492	1,157	1,229	35	38,730	11,443	75,404
Feb 2023	10,857	4,406	5,321	7,496	1,401	2,152	1,026	1,001	35	33,695	9,758	65,386
Mar 2023	10,999	4,436	5,616	7,601	1,427	2,199	1,072	988	35	34,373	9,635	65,717
Apr 2023	9,219	3,688	4,726	6,596	1,160	1,874	938	787	25	29,013	8,379	55,483
May 2023	9,682	3,787	4,947	6,994	1,259	2,054	1,017	773	25	30,538	8,977	58,728
Jun 2023	10,358	3,992	5,388	8,000	1,405	2,321	1,154	917	25	33,560	9,864	65,543
Jul 2023	11,517	4,486	6,022	9,159	1,574	2,636	1,325	1,034	35	37,788	11,222	75,361
Aug 2023	11,398	4,402	5,907	8,945	1,562	2,561	1,255	1,011	30	37,071	10,893	73,084
Sep 2023	9,861	3,767	4,990	7,335	1,305	2,171	1,079	862	30	31,400	9,271	61,215
Oct 2023	9,597	3,741	4,981	6,893	1,255	1,948	1,004	800	30	30,249	8,906	58,375
Nov 2023	10,315	4,055	5,228	7,148	1,333	2,042	1,024	971	35	32,151	9,460	61,997
Dec 2023	11,736	4,771	5,704	8,224	1,512	2,377	1,122	1,110	35	36,591	11,051	71,468
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	OVEC	PJM		PJM RTO
										WESTERN	DOM	
Jan 2024	12,702	5,104	6,044	8,623	1,628	2,520	1,168	1,237	35	39,061	12,028	76,483
Feb 2024	11,318	4,610	5,550	7,770	1,456	2,249	1,070	1,040	35	35,098	10,649	68,563
Mar 2024	10,974	4,445	5,592	7,506	1,414	2,199	1,071	993	35	34,229	10,137	65,933
Apr 2024	9,344	3,760	4,802	6,630	1,175	1,905	951	800	25	29,392	8,933	56,568
May 2024	9,711	3,820	4,962	6,944	1,257	2,066	1,022	773	25	30,580	9,498	59,271
Jun 2024	10,283	3,981	5,342	7,850	1,387	2,315	1,150	921	25	33,254	10,319	65,464
Jul 2024	11,620	4,539	6,079	9,142	1,588	2,668	1,339	1,046	35	38,056	11,776	76,288
Aug 2024	11,383	4,409	5,893	8,837	1,552	2,567	1,257	1,018	30	36,946	11,391	73,318
Sep 2024	9,871	3,782	4,995	7,256	1,303	2,183	1,085	872	30	31,377	9,765	61,625
Oct 2024	9,651	3,776	5,026	6,886	1,260	1,966	1,015	808	30	30,418	9,465	59,188
Nov 2024	10,305	4,058	5,230	7,084	1,324	2,046	1,027	979	35	32,088	9,986	62,413
Dec 2024	11,698	4,772	5,670	8,188	1,499	2,376	1,120	1,104	35	36,462	11,648	71,959

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

	FE	EAST	PLGRP
Jan 2022	5,052		4,070
Feb 2022	4,449		3,576
Mar 2022	4,496		3,575
Apr 2022	3,808		2,947
May 2022	3,970		2,945
Jun 2022	4,478		3,191
Jul 2022	5,280		3,657
Aug 2022	5,044		3,506
Sep 2022	4,160		2,996
Oct 2022	4,004		2,995
Nov 2022	4,244		3,313
Dec 2022	4,861		3,807

	FE	EAST	PLGRP
Jan 2023	5,052		4,075
Feb 2023	4,442		3,574
Mar 2023	4,475		3,575
Apr 2023	3,764		2,927
May 2023	3,965		2,951
Jun 2023	4,446		3,183
Jul 2023	5,247		3,649
Aug 2023	5,023		3,505
Sep 2023	4,128		2,978
Oct 2023	4,024		3,013
Nov 2023	4,262		3,326
Dec 2023	4,857		3,804

	FE	EAST	PLGRP
Jan 2024	5,078		4,095
Feb 2024	4,612		3,712
Mar 2024	4,429		3,550
Apr 2024	3,796		2,965
May 2024	3,954		2,949
Jun 2024	4,385		3,155
Jul 2024	5,264		3,676
Aug 2024	4,985		3,490
Sep 2024	4,105		2,967
Oct 2024	4,041		3,031
Nov 2024	4,250		3,317
Dec 2024	4,844		3,794

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
2022 - 2037

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
AE	80	116	154	199	258	322	391	462	541	628	725	825	933	1,054	1,231	1,360
BGE	223	327	438	571	745	932	1,135	1,344	1,579	1,835	2,121	2,414	2,734	3,090	3,610	3,990
DPL	71	94	119	150	190	234	280	328	382	440	504	570	641	721	839	924
JCPL	187	272	361	468	607	756	918	1,084	1,271	1,475	1,703	1,937	2,192	2,476	2,892	3,194
METED	30	34	38	43	50	57	64	71	79	87	97	106	116	128	146	158
PECO	83	94	105	119	136	155	174	193	215	238	264	290	318	349	398	431
PENLC	29	32	36	41	47	53	60	67	74	82	91	100	110	120	137	149
PEPCO	186	273	366	477	622	779	948	1,124	1,321	1,536	1,776	2,023	2,292	2,593	3,032	3,354
PL	72	81	90	102	118	133	150	167	186	206	228	250	274	302	344	372
PS	312	452	601	779	1,010	1,259	1,528	1,805	2,116	2,455	2,834	3,224	3,649	4,122	4,813	5,316
RECO	13	18	24	31	41	51	61	72	85	99	114	130	147	166	193	214
UGI	2	2	2	3	3	4	4	4	5	6	6	7	7	8	9	10
AEP	163	192	235	323	425	530	638	746	862	983	1,112	1,239	1,372	1,516	1,731	1,871
APS	98	128	162	210	270	334	402	471	548	630	721	812	911	1,020	1,182	1,296
ATSI	96	108	121	136	156	177	198	220	244	269	297	325	356	390	443	479
COMED	419	607	806	1,045	1,357	1,692	2,053	2,424	2,839	3,290	3,792	4,306	4,863	5,480	6,383	7,033
DAYTON	26	29	33	37	42	48	54	59	66	73	80	88	96	105	120	129
DEOK	38	43	48	55	62	71	79	88	97	108	119	130	142	156	177	192
DLCO	27	30	34	39	44	50	57	63	70	77	86	94	103	113	129	140
EKPC	10	11	12	14	16	18	20	22	25	28	31	34	37	41	46	50
DOM	251	332	492	886	1,329	1,783	2,251	2,715	3,209	3,720	4,259	4,782	5,325	5,903	6,754	7,300
PJM RTO	2,414	3,276	4,277	5,729	7,529	9,436	11,465	13,529	15,814	18,264	20,960	23,686	26,618	29,853	34,612	37,962

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

Table F-1
PJM RTO HISTORICAL PEAKS
(MW)

SUMMER						
YEAR	NORMALIZED BASE	NORMALIZED COOLING	NORMALIZED TOTAL	UNRESTRICTED PEAK	PEAK DATE	TIME
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	95,846	60,592	156,438	155,257	Tuesday, July 26, 2005	16:00
2006	95,311	62,441	157,751	166,929	Wednesday, August 2, 2006	17:00
2007	96,738	64,277	161,015	162,035	Wednesday, August 8, 2007	16:00
2008	97,213	64,812	162,025	150,622	Monday, June 9, 2008	17:00
2009	94,732	62,518	157,251	145,112	Monday, August 10, 2009	16:00
2010	93,191	64,317	157,508	157,247	Wednesday, July 7, 2010	17:00
2011	93,397	62,808	156,205	165,524	Thursday, July 21, 2011	17:00
2012	93,024	61,796	154,821	158,219	Tuesday, July 17, 2012	17:00
2013	92,558	60,591	153,149	159,149	Thursday, July 18, 2013	17:00
2014	91,934	61,359	153,293	141,509	Tuesday, June 17, 2014	18:00
2015	91,214	60,419	151,632	143,579	Tuesday, July 28, 2015	17:00
2016	89,900	60,934	150,834	152,069	Thursday, August 11, 2016	16:00
2017	88,999	61,077	150,076	145,434	Wednesday, July 19, 2017	18:00
2018	89,895	59,766	149,660	150,573	Tuesday, August 28, 2018	17:00
2019	89,624	59,511	149,135	151,302	Friday, July 19, 2019	18:00
2020	85,951	59,866	145,817	144,320	Monday, July 20, 2020	17:00
2021	85,327	62,602	147,929	148,433	Tuesday, August 24, 2021	18:00

Notes:
 Normalized values for 2000 - 2021 are calculated by PJM staff using a methodology described in Manual 19.
 Normalized base values are calculated by PJM staff using a two-period average of peak loads on non-heating/non-cooling days.
 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)

WINTER						
YEAR	NORMALIZED BASE	NORMALIZED HEATING	NORMALIZED TOTAL	UNRESTRICTED PEAK	PEAK DATE	TIME
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			128,151	131,234	Monday, December 20, 2004	19:00
05/06	94,721	33,935	128,655	126,777	Wednesday, December 14, 2005	19:00
06/07	96,152	34,170	130,322	136,804	Monday, February 5, 2007	20:00
07/08	97,256	34,273	131,529	128,368	Wednesday, January 2, 2008	19:00
08/09	96,416	30,280	126,696	134,077	Friday, January 16, 2009	19:00
09/10	93,507	34,737	128,244	125,350	Monday, January 4, 2010	19:00
10/11	91,898	37,451	129,350	132,315	Tuesday, December 14, 2010	19:00
11/12	92,373	37,430	129,804	124,506	Tuesday, January 3, 2012	19:00
12/13	92,158	37,172	129,330	128,810	Tuesday, January 22, 2013	19:00
13/14	91,242	37,993	129,234	141,866	Tuesday, January 7, 2014	19:00
14/15	90,287	39,971	130,258	142,856	Friday, February 20, 2015	8:00
15/16	89,758	41,029	130,787	129,540	Tuesday, January 19, 2016	8:00
16/17	89,231	41,513	130,744	130,825	Thursday, December 15, 2016	19:00
17/18	89,243	41,915	131,158	137,212	Friday, January 5, 2018	19:00
18/19	88,372	41,892	130,265	137,618	Thursday, January 31, 2019	8:00
19/20	86,032	42,177	128,209	120,272	Thursday, December 19, 2019	8:00
20/21	85,341	44,664	130,005	117,012	Friday, January 29, 2021	9:00

Notes:
 Normalized values for 2000 - 2021 are calculated by PJM staff using a methodology described in Manual 19.
 Normalized base values are calculated by PJM staff using a two-period average of peak loads on non-heating/non-coolong days.
 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)**

YEAR	ENERGY	GROWTH RATE
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%

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 2021	Winter 2020/21
AE	2,484	1,603
BGE	6,431	5,819
DPL	3,874	3,598
JCPL	5,864	3,698
METED	2,945	2,617
PECO	8,346	6,501
PENLC	2,816	2,807
PEPCO	5,843	5,257
PL	7,025	7,242
PS	9,521	6,607
RECO	390	220
UGI	195	203
AEP	22,045	22,042
APS	8,621	8,870
ATSI	12,240	10,116
COMED	20,809	14,726
DAYTON	3,273	2,943
DEOK	5,190	4,484
DLCO	2,731	1,978
EKPC	2,058	2,643
OVEC	90	115
DOM	19,803	19,736
PJM MID-ATLANTIC	55,122	45,503
PJM WESTERN	75,369	66,572
PJM RTO	147,929	130,005

Notes:
Zonal Normal 2021 are non-coincident as estimated by PJM staff.
Locational Deliverability Area and PJM RTO Normal 2021 are coincident with their regional peak as estimated by PJM staff.