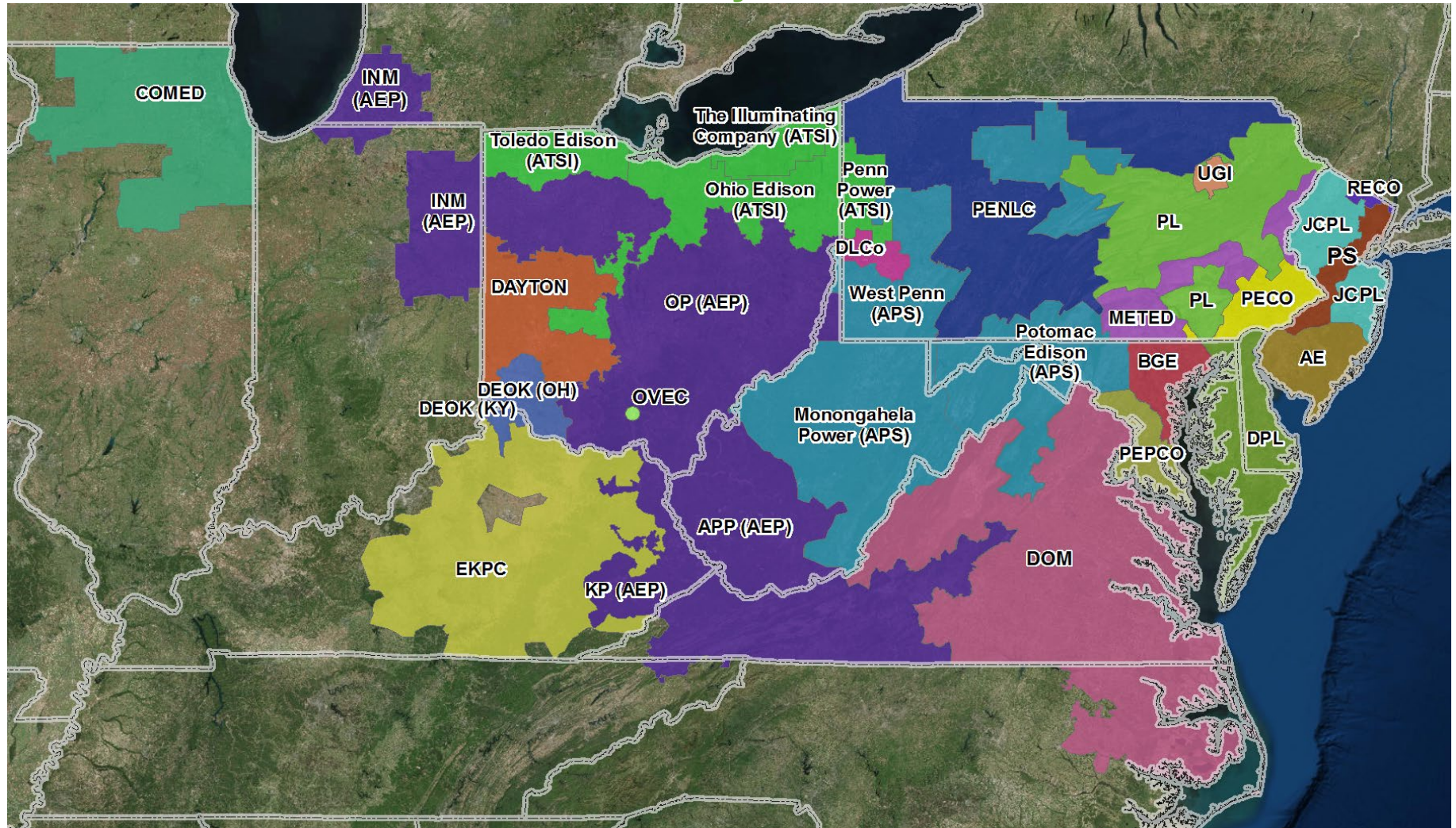


# PJM Load Forecast Report

## January 2021



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)
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

# 2021 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, and plug-in electric vehicles for each PJM zone, region, locational deliverability area (LDA), and the total RTO.
- Since the 2020 Load Report, PJM made significant revisions to the load forecast model. These enhancements are described in the supplemental report which is available with the other published materials. Intended as a reference, the supplement provides details of the processes used to develop the load forecast and the data and assumptions used. It describes the load forecast model that produces the base forecast as well as non-model adjustments to it.
- The Non-Weather Sensitive model was estimated with historical data from January 2011 through August 2020, while the Residential, Commercial, and Industrial sector models were estimated with data from 1998 through 2019. Weather scenarios were simulated with data from years 1993 through 2019, generating 351 scenarios.
- The economic forecast used was Moody's Analytics' September 2020 release.
- The 2020 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 2020 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 BGE zone has been adjusted to account for the on-going implementation of a conservation voltage reduction program;
  - 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 0.3% per year over the next 10 years, and 0.2% over the next 15 years. The PJM RTO summer peak is forecasted to be 153,759 MW in 2031, a 10-year increase of 4,535 MW, and

reaches 154,728 MW in 2036, a 15-year increase of 5,504 MW. Annualized 10-year growth rates for individual zones range from -1.2% to 0.9%.

- Winter peak load growth for PJM RTO is projected to average 0.3% per year over the next 10-year period, and 0.2% over the next 15-years. The PJM RTO winter peak load in 2030/31 is forecasted to be 135,568 MW, a 10-year increase of 3,541 MW, and reaches 136,459 MW in 2035/36, a 15-year increase of 4,432 MW. Annualized 10-year growth rates for individual zones range from -0.6% to 0.9%.
- Net energy for load growth for PJM RTO is projected to average 0.3% per year over the next 10-year period, and 0.3% over the next 15-years. Total PJM RTO energy is forecasted to be 806,729 GWh in 2031, a 10-year increase of 26,661 GWh, and reaches 819,553 GWh in 2036, a 15-year increase of 39,485 GWh. Annualized 10-year growth rates for individual zones range from -0.7% to 0.9%.
- Compared to the 2020 Load Report, the 2021 PJM RTO summer peak forecast shows the following changes for three years of interest:
  - The next delivery year – 2021                      -392 MW (-0.3%)
  - The next RPM auction year – 2024                -940 MW (-0.6%)
  - The next RTEP study year – 2026                -2,209 MW (-1.5%)

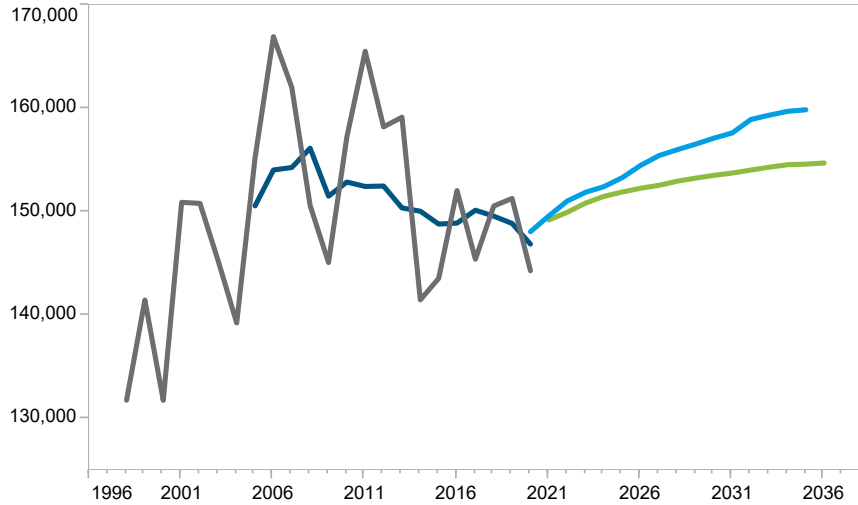
**NOTE:**

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, 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

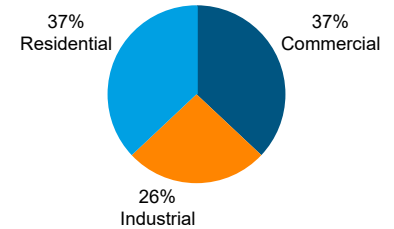
## Summer Peak



## Weather - Annual Average 1994-2019

<b>Cooling Degree Days</b>	1,072
<b>Heating Degree Days</b>	3,832
<b>Temperature-Humidity Index</b>	82.8
<b>Wind-Adjusted Temperature</b>	12.5

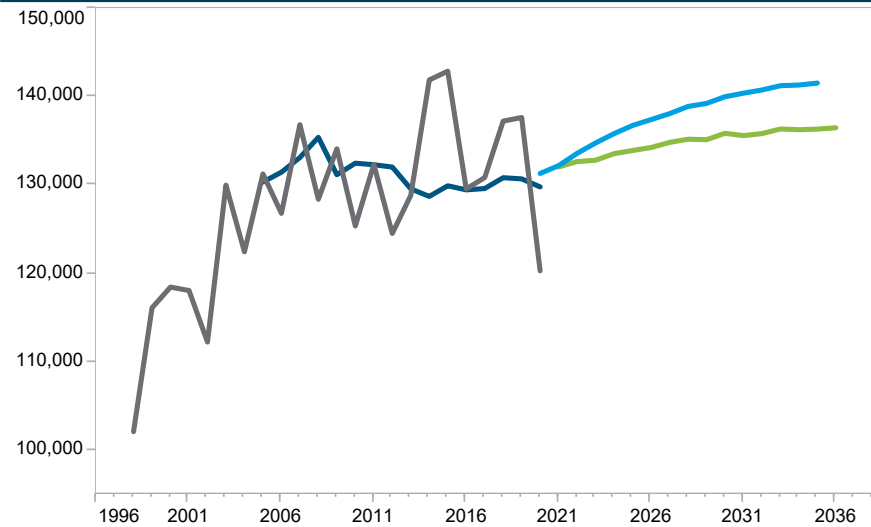
## RCI Makeup



## Zonal 10/15 Year Load Growth

SUMMER	0.3%	0.2%
WINTER	0.3%	0.2%

## Winter Peak



## LDAs

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

## Zones

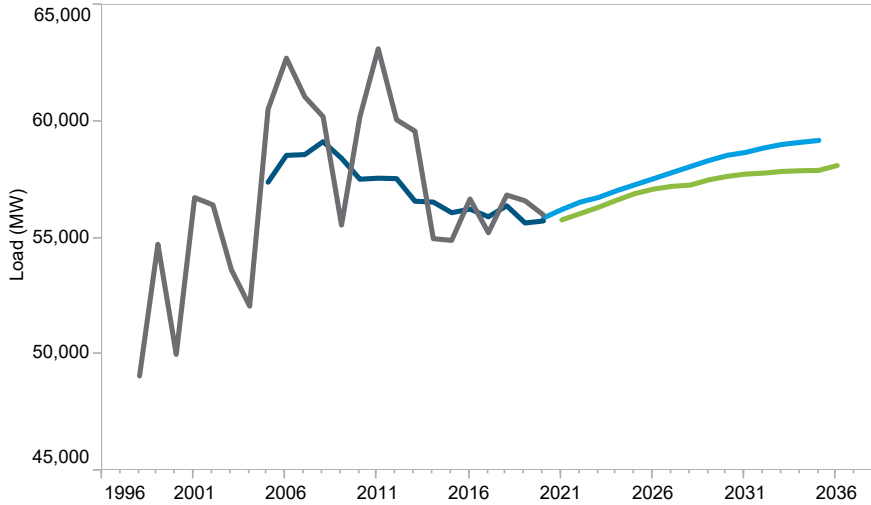
AE	DAYTON	JCPL	PEPCO
AEP	DEOK	METED	PL
APS	DLCO	OVEC	PS
ATSI	DOM	PECO	RECO
BGE	DPL	PENLC	UGI
COMED	EKPC		

Peak
  WN peak
  Forecast 2020
  Forecast 2021



# PJM Mid-Atlantic (MAAC)

## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,173
Heating Degree Days	3,628
Temperature-Humidity Index	84.4
Wind-Adjusted Temperature	12.8

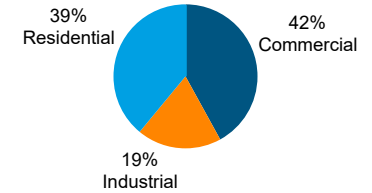
## Zonal 10/15 Year Load Growth

SUMMER	0.3%	0.3%
WINTER	0.3%	0.3%

## Zones

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

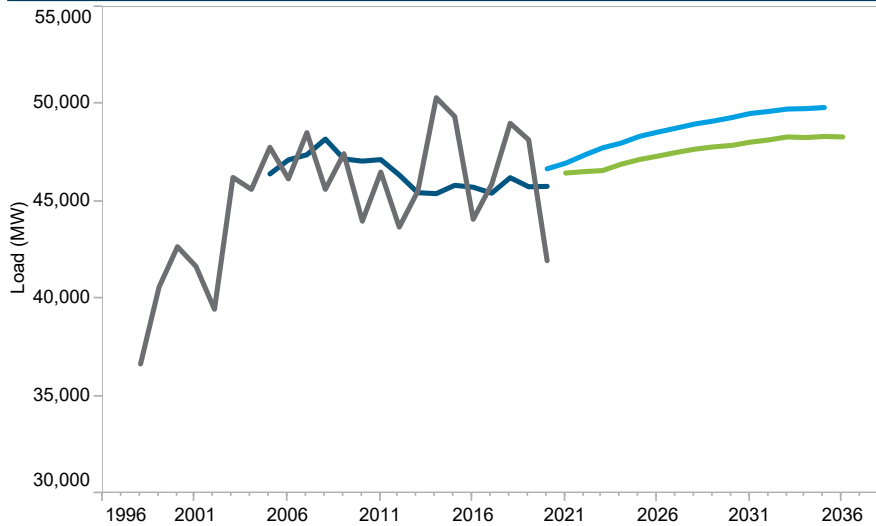
## RCI Makeup



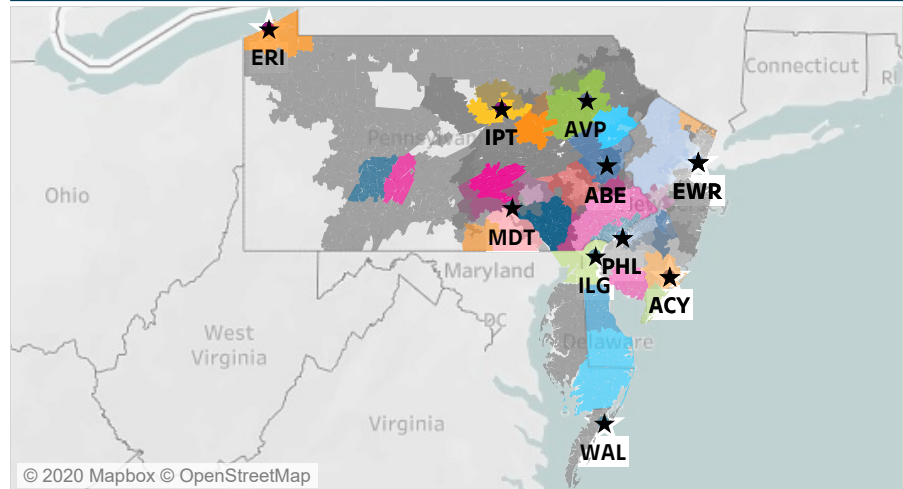
## LDAs

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

## Winter Peak



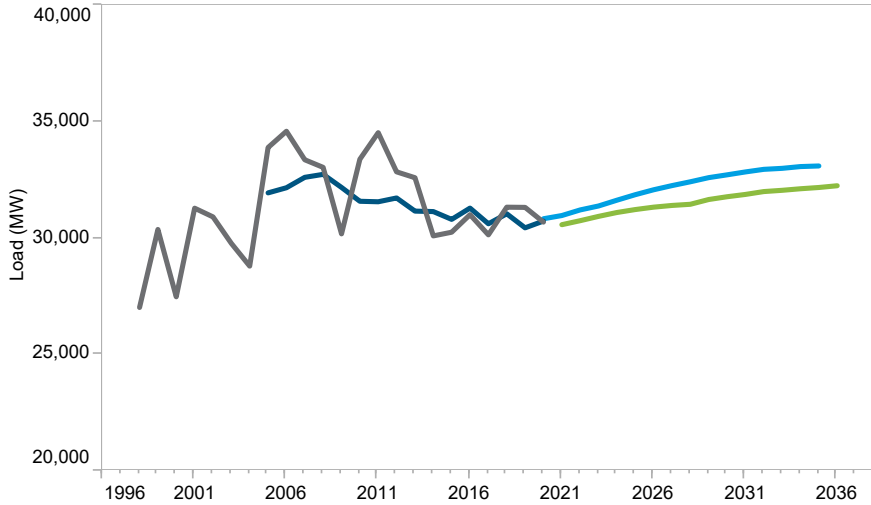
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2020
  Forecast 2021

# PJM Eastern Mid-Atlantic (E-MAAC)

## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,228
Heating Degree Days	3,470
Temperature-Humidity Index	84.7
Wind-Adjusted Temperature	12.9

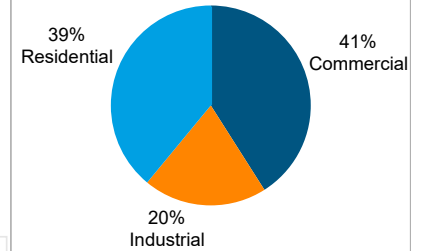
## Zonal 10/15 Year Load Growth

SUMMER	0.4%	0.4%
WINTER	0.5%	0.4%

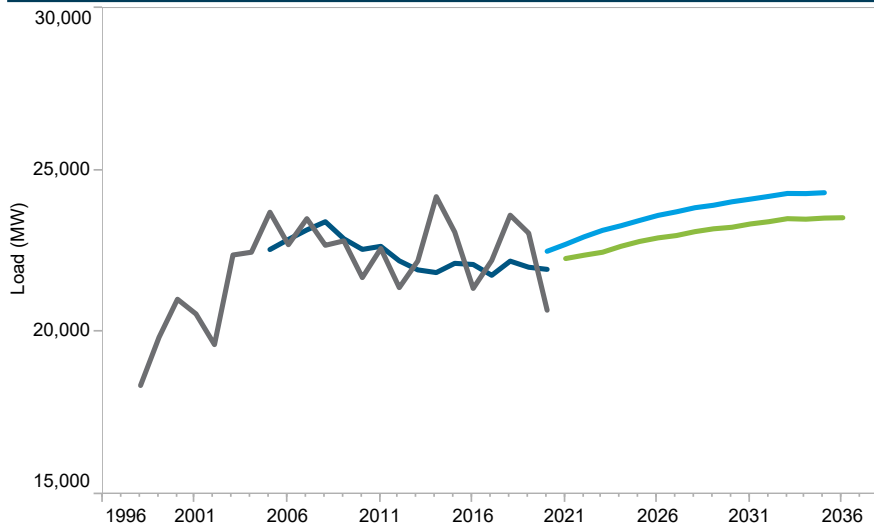
## Zones

AE	PECO
DPL	PS
JCPL	RECO

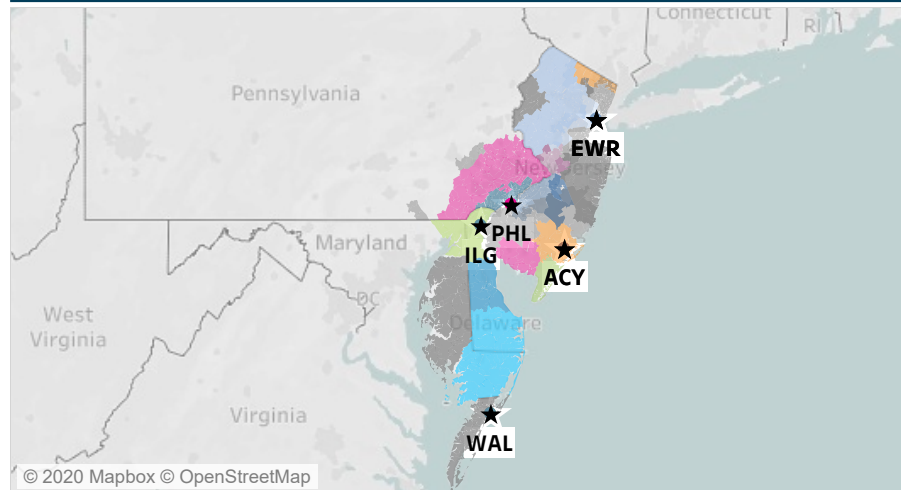
## RCI Makeup



## Winter Peak



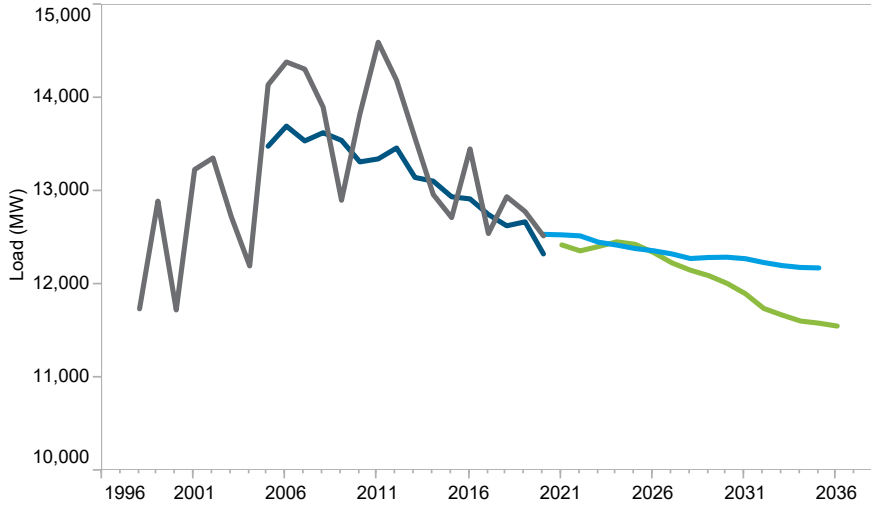
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2020
  Forecast 2021

# PJM Southern Mid-Atlantic (S-MAAC)

## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,381
Heating Degree Days	3,164
Temperature-Humidity Index	85.1
Wind-Adjusted Temperature	16.4

## Zonal 10/15 Year Load Growth

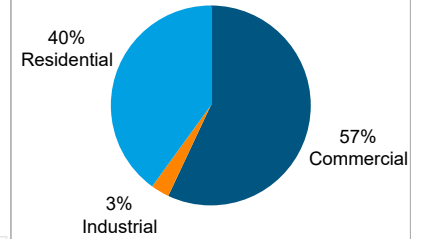
SUMMER	-0.4%	-0.5%
WINTER	0.2%	0.1%

## Zones

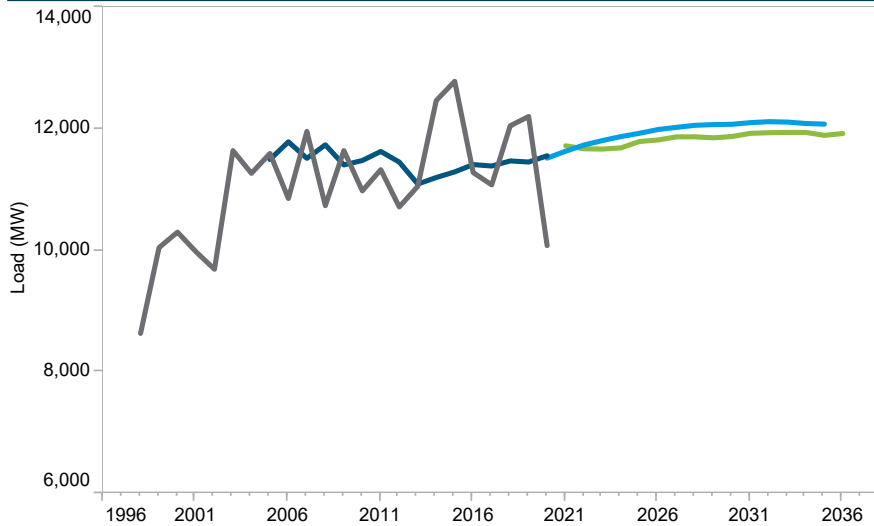
BGE

PEPCO

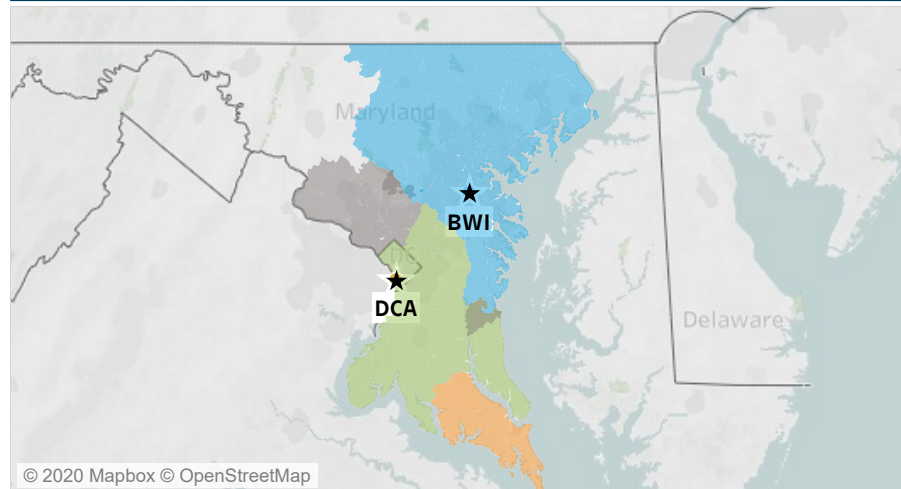
## RCI Makeup



## Winter Peak



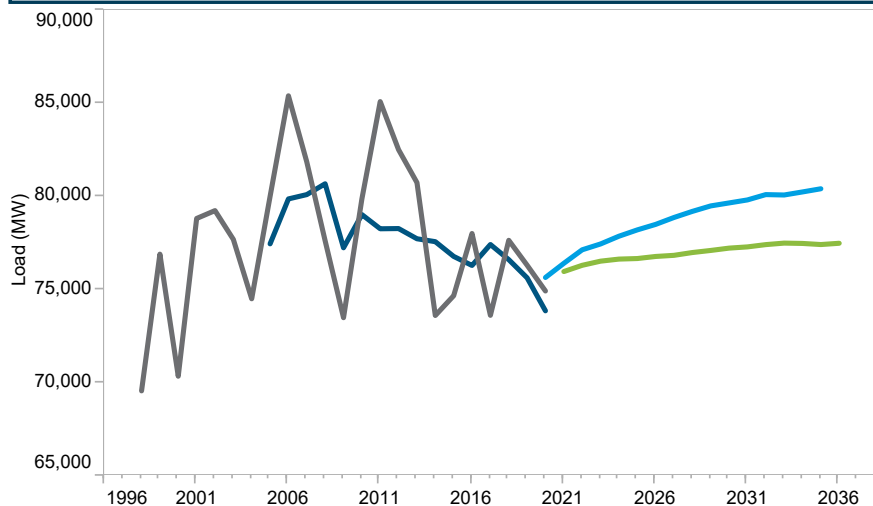
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2020
  Forecast 2021

# PJM Western

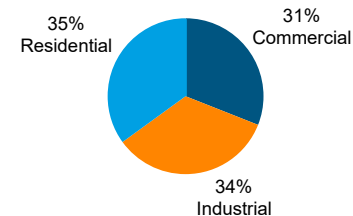
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	907
Heating Degree Days	4,288
Temperature-Humidity Index	82.8
Wind-Adjusted Temperature	5.5

## RCI Makeup



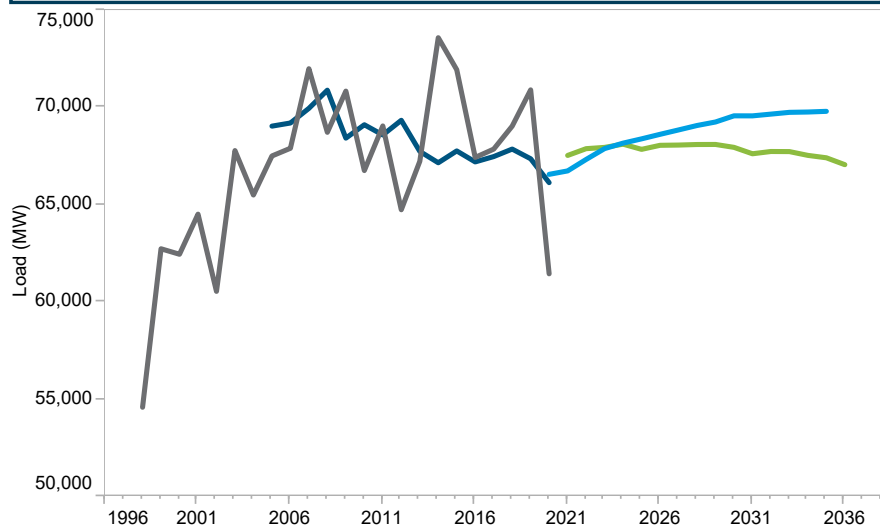
## Zonal 10/15 Year Load Growth

SUMMER	0.2%	0.1%
WINTER	0.0%	0.0%

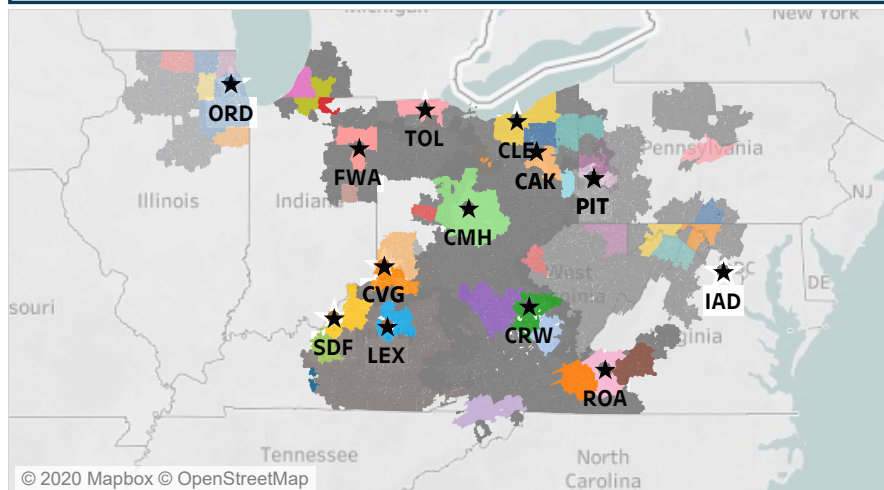
## Zones

AEP	COMED	DLCO
APS	DAYTON	EKPC
ATSI	DEOK	OVEC

## Winter Peak



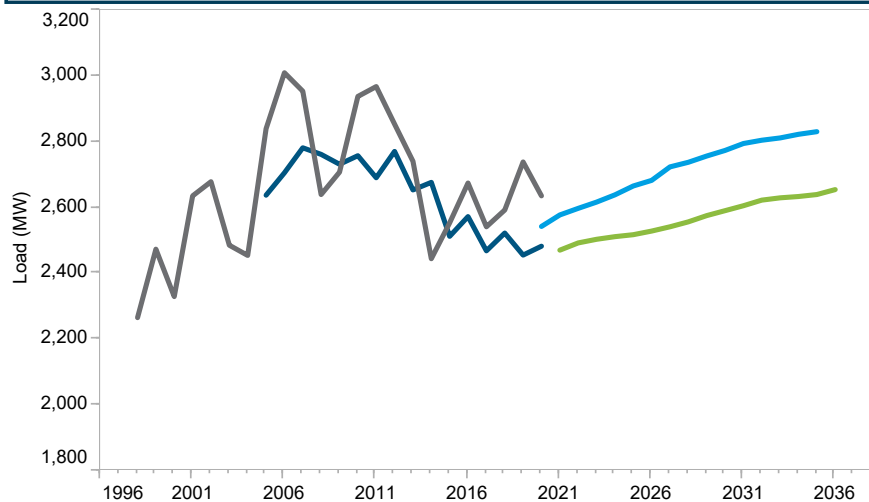
## Metropolitan Statistical Areas and Weather Stations



Peak
  WN peak
  Forecast 2020
  Forecast 2021

# Atlantic Electric (AE)

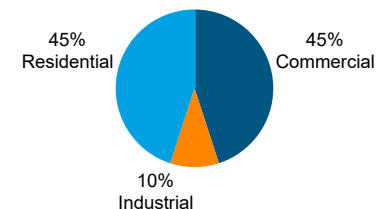
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,061
Heating Degree Days	3,543
Temperature-Humidity Index	84.8
Wind-Adjusted Temperature	14.2

## RCI Makeup



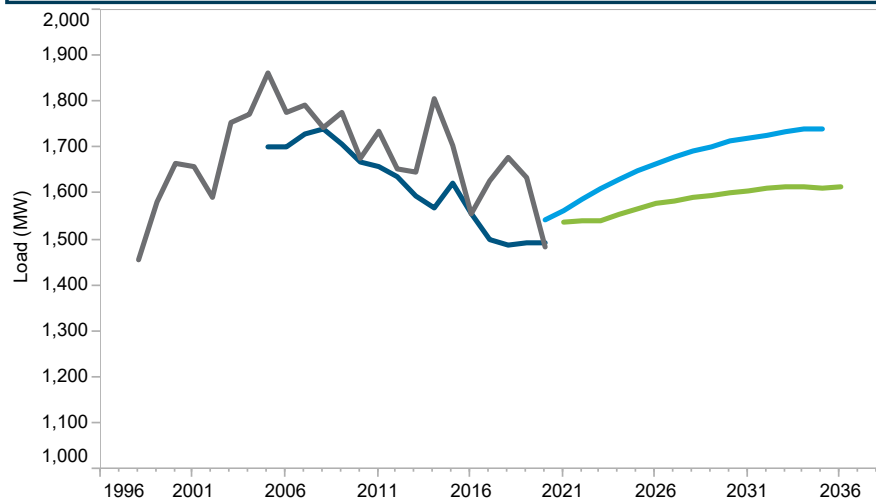
## Zonal 10/15 Year Load Growth

SUMMER	0.5%	0.5%
WINTER	0.4%	0.3%

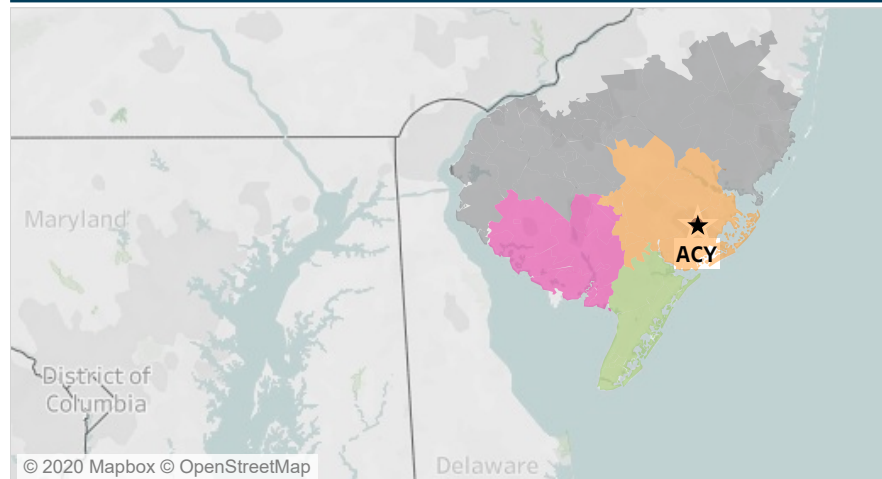
## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

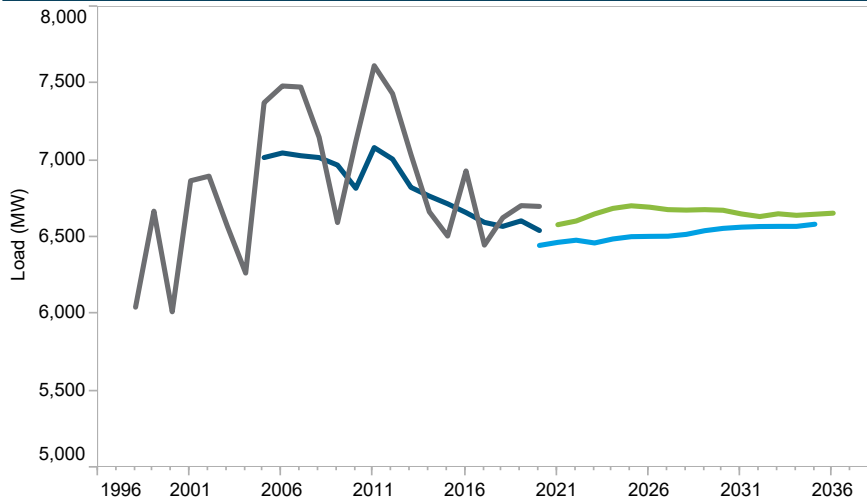


■ Peak      ■ WN peak      ■ Forecast 2020      ■ Forecast 2021

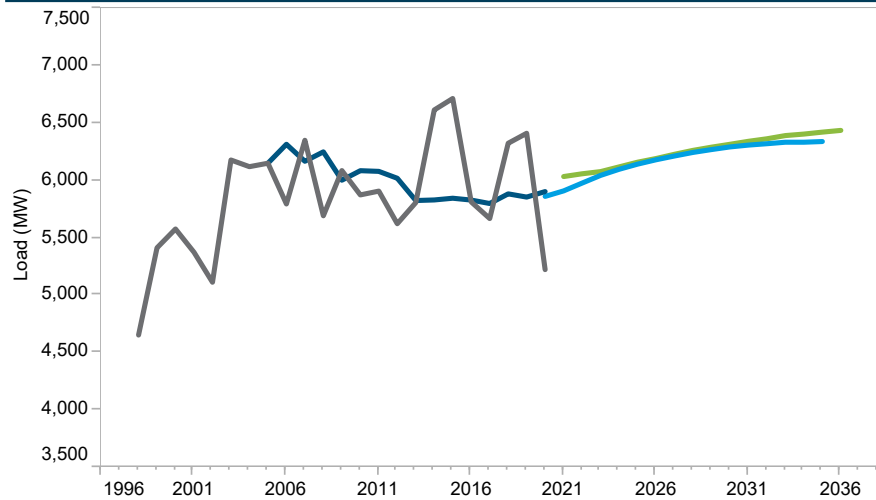
■ AE - Non-Metro  
 ■ Atlantic City-Hammonton, NJ  
 ■ Ocean City, NJ  
 ■ Vineland-Bridgeton, NJ

# Baltimore Gas and Electric (BGE)

Summer Peak



Winter Peak



■ Peak     
 ■ WN peak     
 ■ Forecast 2020     
 ■ Forecast 2021

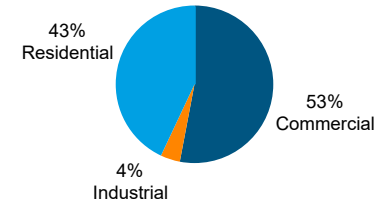
Weather - Annual Average 1994-2019

Cooling Degree Days	1,247
Heating Degree Days	3,397
Temperature-Humidity Index	84.8
Wind-Adjusted Temperature	15.5

Zonal 10/15 Year Load Growth

SUMMER	0.1%	0.1%
WINTER	0.5%	0.4%

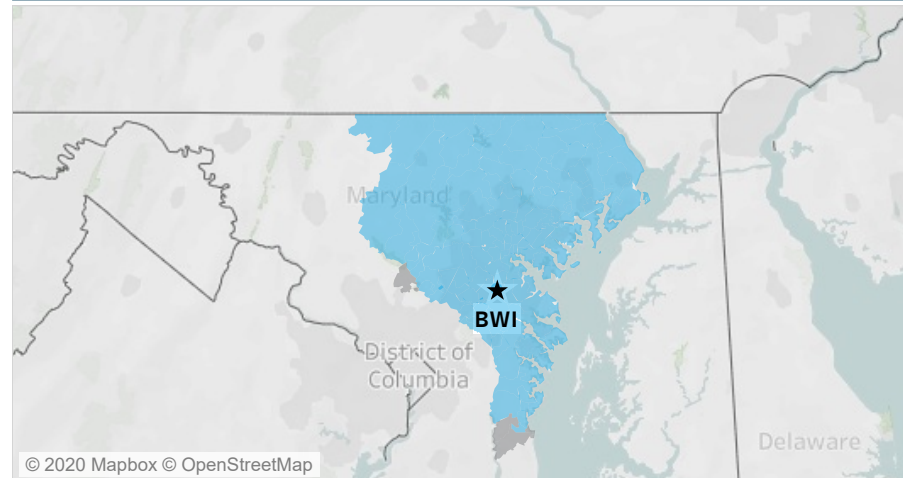
RCI Makeup



LDAs

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

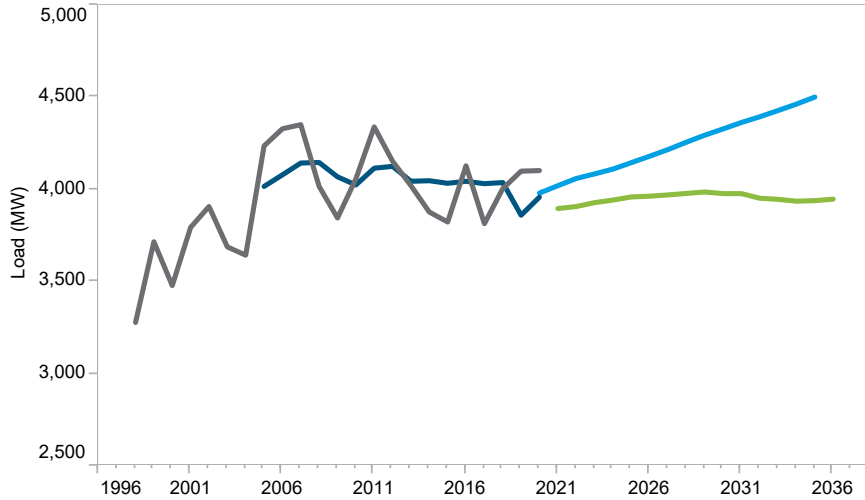
Metropolitan Statistical Areas and Weather Stations



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

# Delmarva Power and Light (DPL)

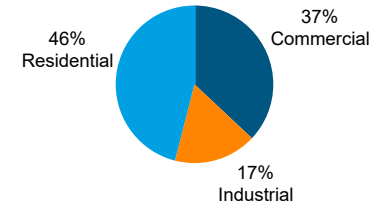
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,189
Heating Degree Days	3,351
Temperature-Humidity Index	84.3
Wind-Adjusted Temperature	15.6

## RCI Makeup



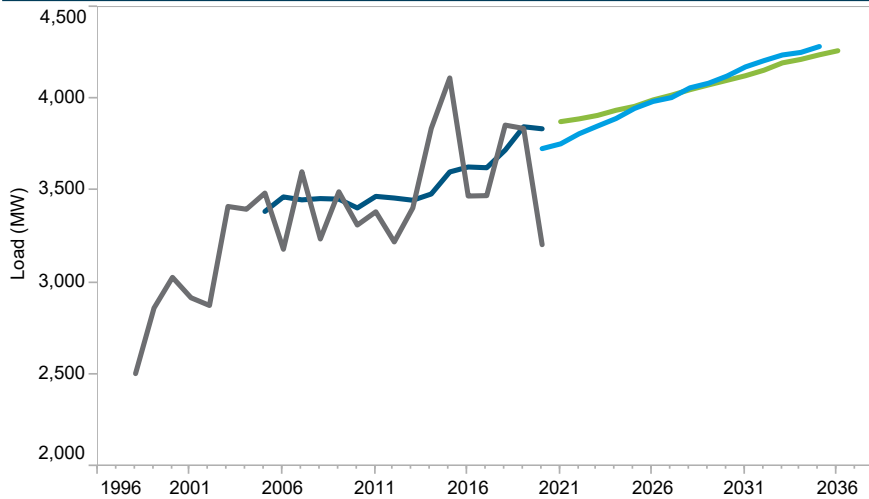
## Zonal 10/15 Year Load Growth

SUMMER	0.2%	0.1%
WINTER	0.6%	0.6%

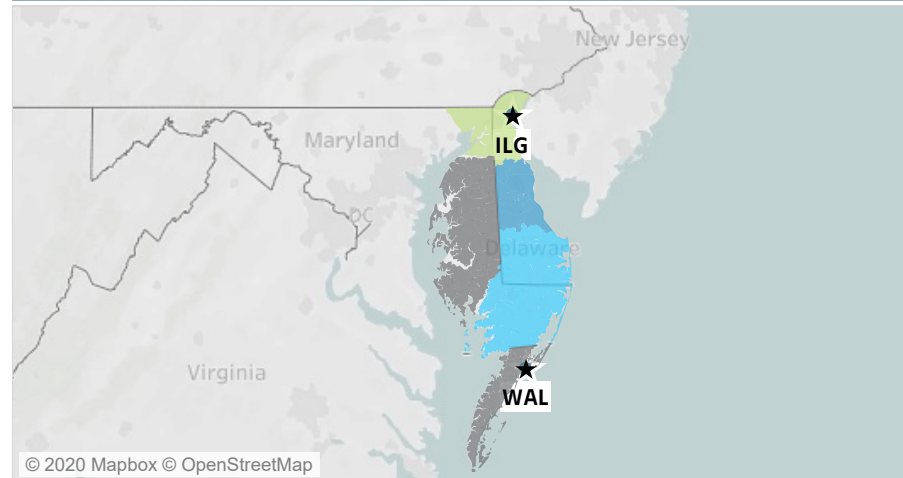
## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

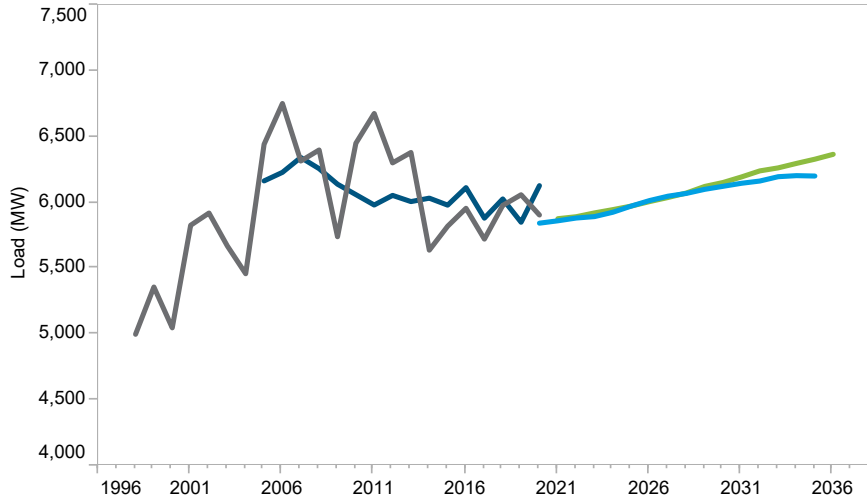


Peak  
 WN peak  
 Forecast 2020  
 Forecast 2021

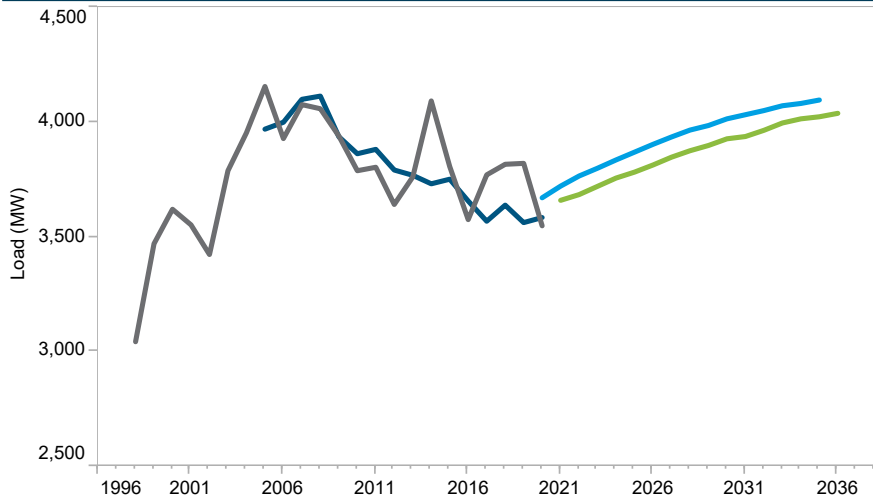
Dover, DE  
 DPL - Non-Metro  
 Salisbury, MD-DE  
 Wilmington, DE-MD-NJ

# Jersey Central Power and Light (JCPL)

Summer Peak



Winter Peak



Peak
  WN peak
  Forecast 2020
  Forecast 2021

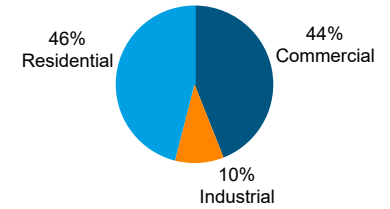
Weather - Annual Average 1994-2019

Cooling Degree Days	1,190
Heating Degree Days	3,557
Temperature-Humidity Index	84.6
Wind-Adjusted Temperature	12.0

Zonal 10/15 Year Load Growth

SUMMER	0.5%	0.5%
WINTER	0.7%	0.7%

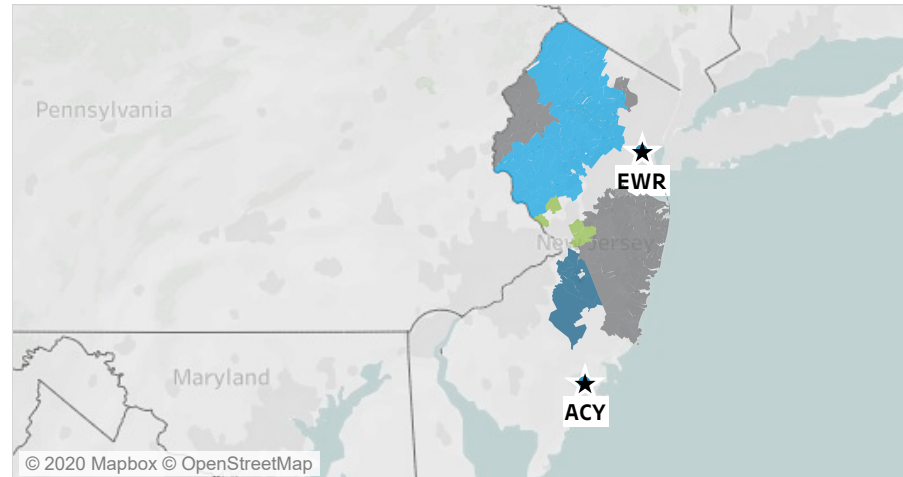
RCI Makeup



LDAs

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

Metropolitan Statistical Areas and Weather Stations

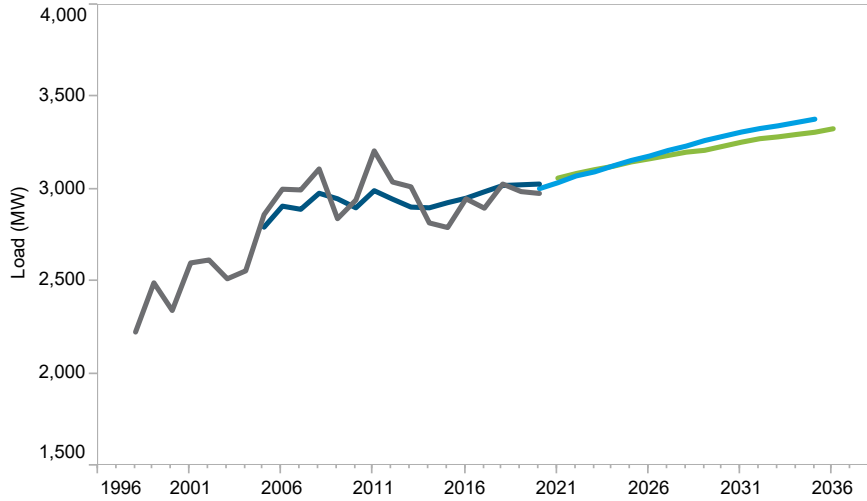


Camden, NJ  
 JCPL - Non-Metro  
 Newark, NJ-PA  
 Trenton, NJ



# Metropolitan Edison (METED)

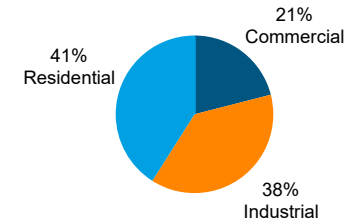
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,090
Heating Degree Days	3,792
Temperature-Humidity Index	84.0
Wind-Adjusted Temperature	12.0

## RCI Makeup



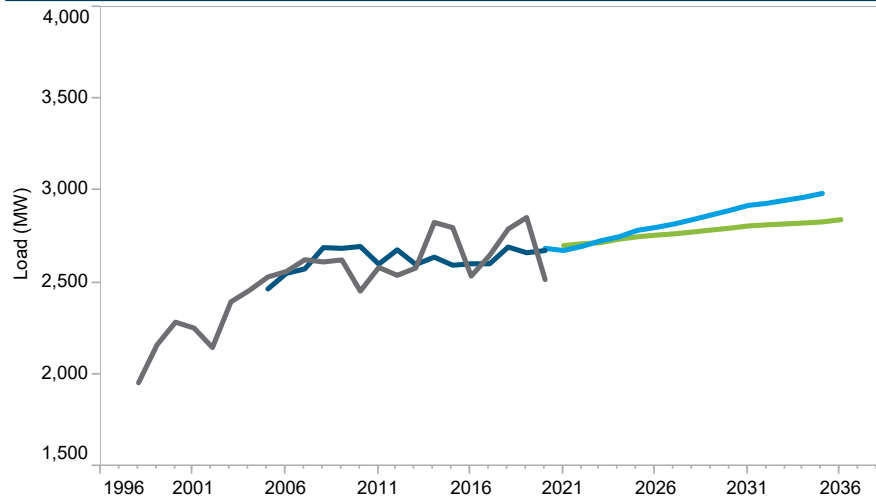
## Zonal 10/15 Year Load Growth

SUMMER	0.6%	0.6%
WINTER	0.4%	0.3%

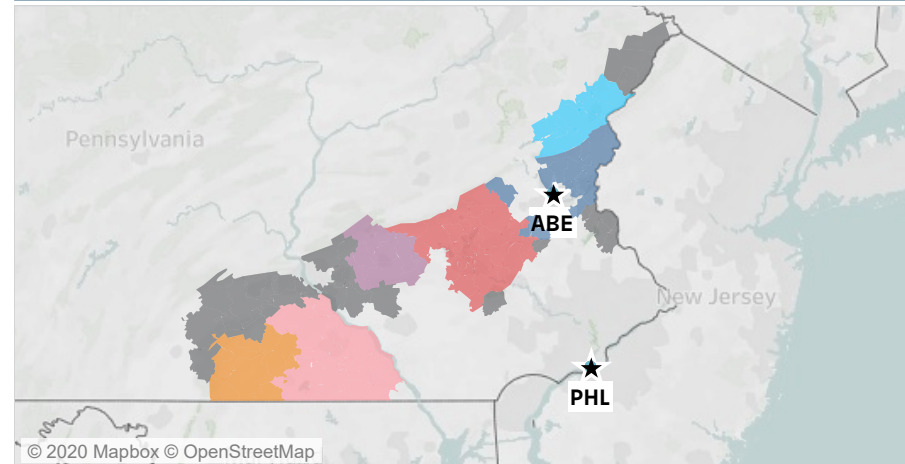
## LDAs

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

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

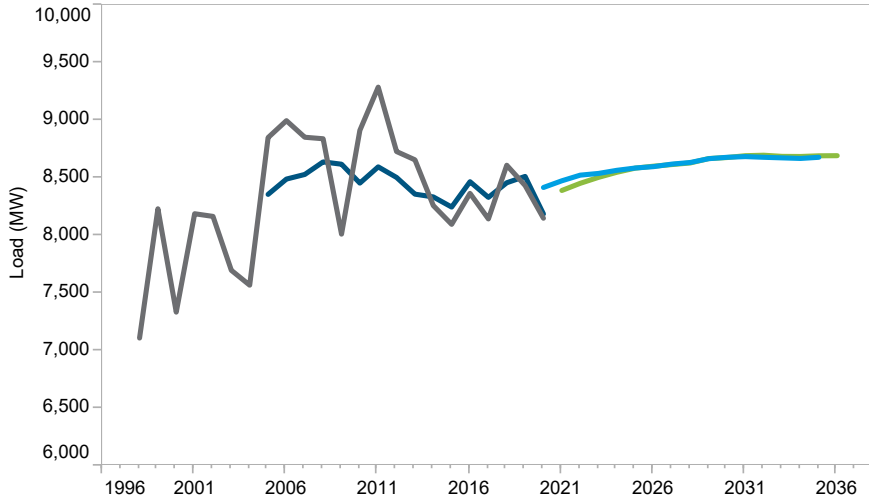


- Allentown-Bethlehem-Easton, PA-NJ
- METED - Non-Metro
- East Stroudsburg, PA
- Reading, PA
- Gettysburg, PA
- York-Hanover, PA
- Lebanon, PA

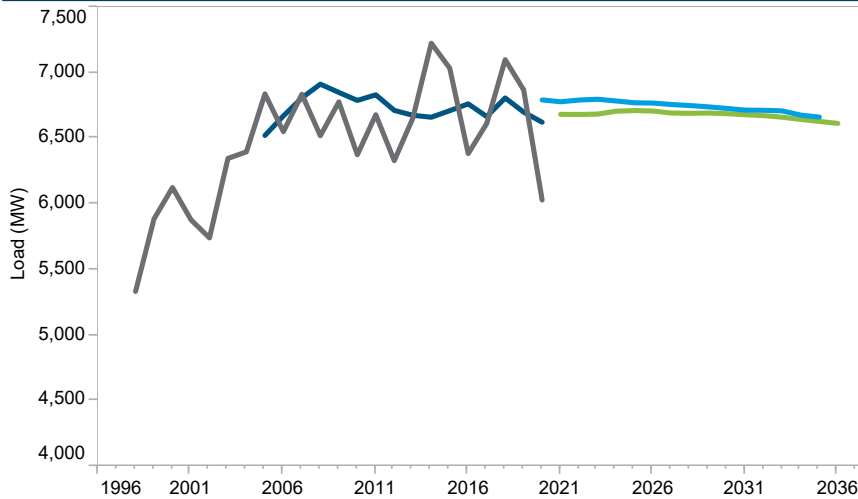
- Peak
- WN peak
- Forecast 2020
- Forecast 2021

# PECO Energy (PECO)

## Summer Peak



## Winter Peak



Peak
  WN peak
  Forecast 2020
  Forecast 2021

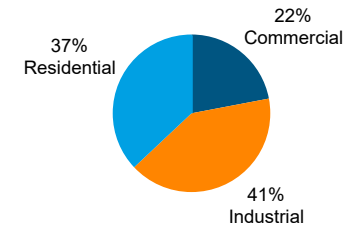
## Weather - Annual Average 1994-2019

Cooling Degree Days	1,314
Heating Degree Days	3,372
Temperature-Humidity Index	84.9
Wind-Adjusted Temperature	13.8

## Zonal 10/15 Year Load Growth

SUMMER	0.4%	0.2%
WINTER	0.0%	-0.1%

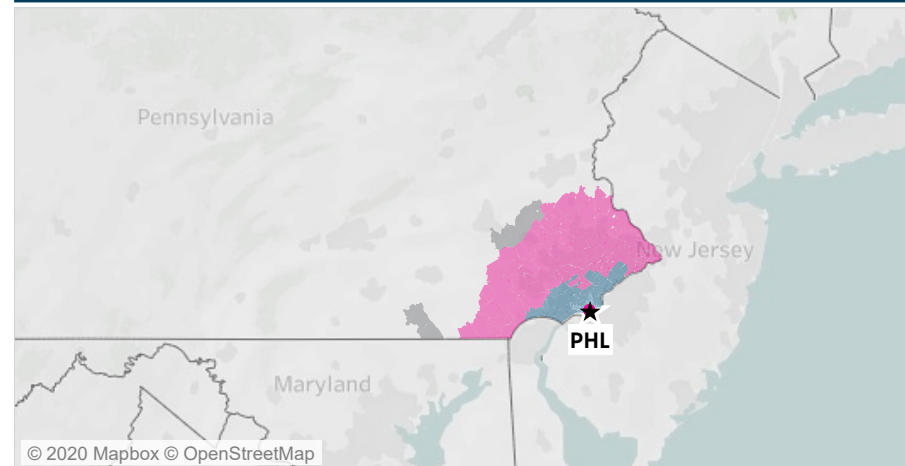
## RCI Makeup



## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Metropolitan Statistical Areas and Weather Stations

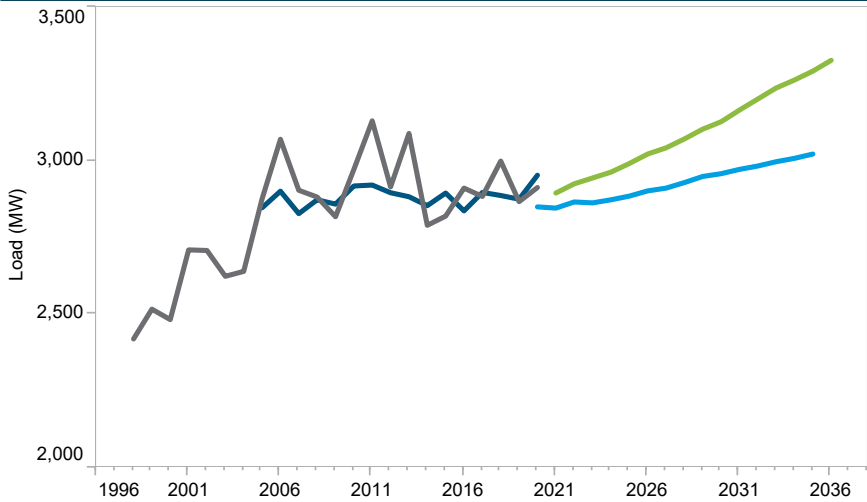


© 2020 Mapbox © OpenStreetMap

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

# Pennsylvania Electric Company (PENLC)

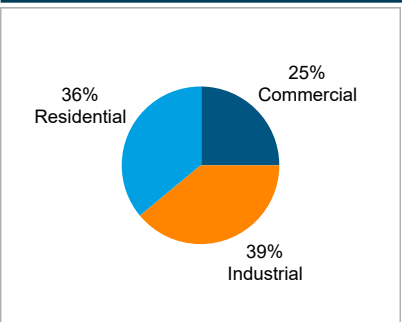
Summer Peak



Weather - Annual Average 1994-2019

<b>Cooling Degree Days</b>	688
<b>Heating Degree Days</b>	4,657
<b>Temperature-Humidity Index</b>	81.7
<b>Wind-Adjusted Temperature</b>	7.7

RCI Makeup



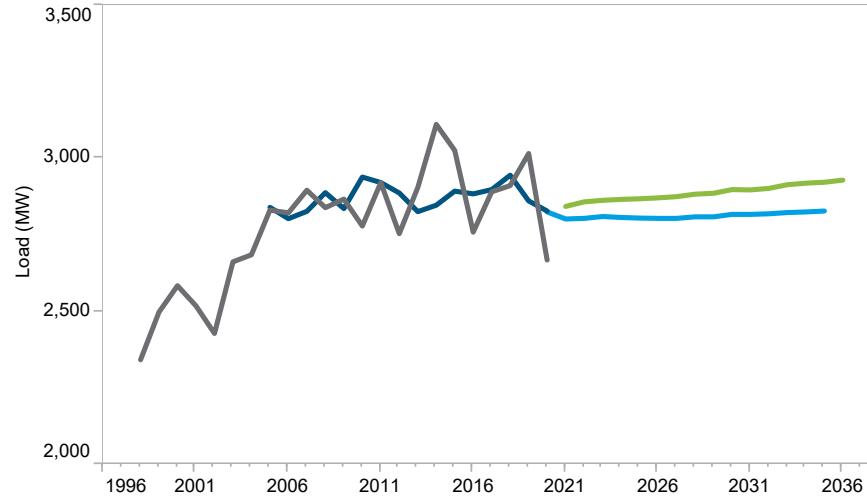
Zonal 10/15 Year Load Growth

SUMMER	0.9%	0.9%
WINTER	0.2%	0.2%

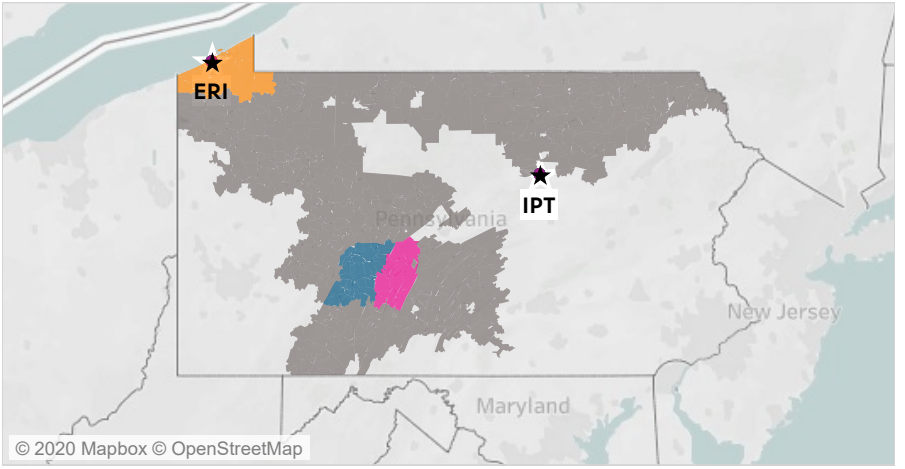
LDAs

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

Winter Peak



Metropolitan Statistical Areas and Weather Stations

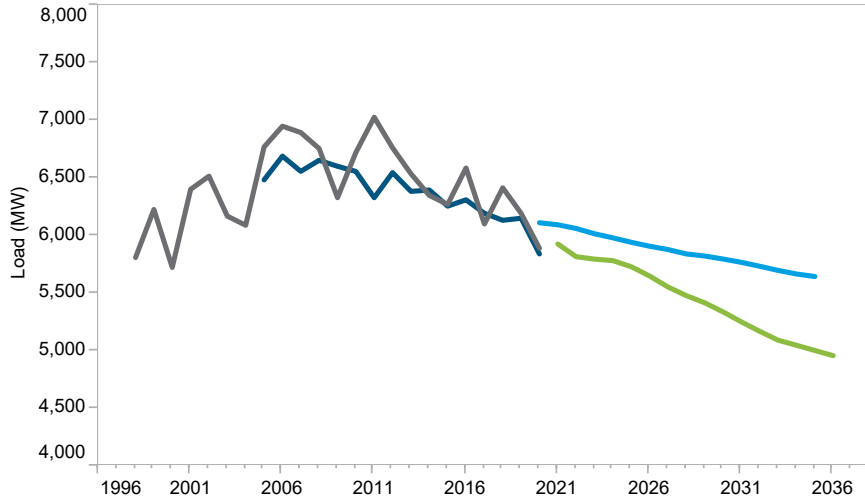


■ Peak     
 ■ WN peak     
 ■ Forecast 2020     
 ■ Forecast 2021

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

# Potomac Electric Power (PEPCO)

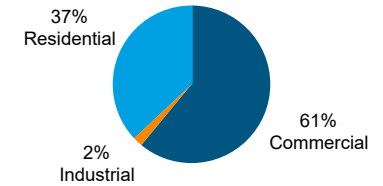
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,531
Heating Degree Days	2,923
Temperature-Humidity Index	85.3
Wind-Adjusted Temperature	17.3

## RCI Makeup



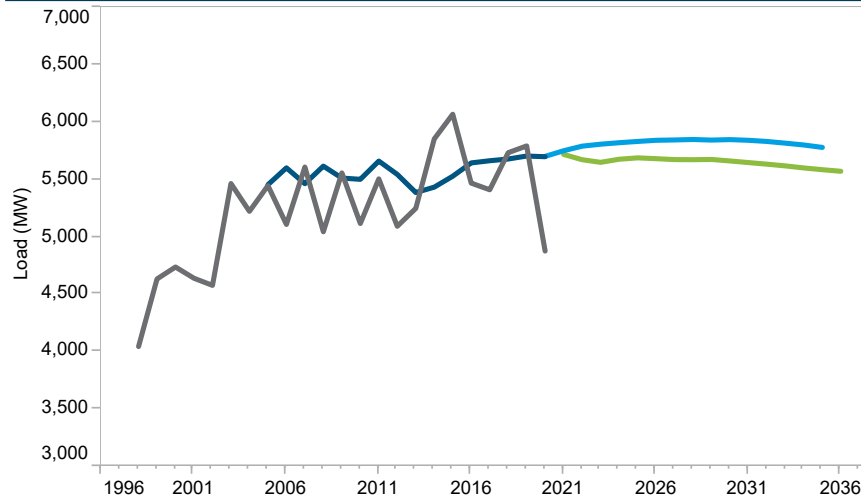
## Zonal 10/15 Year Load Growth

SUMMER	-1.2%	-1.2%
WINTER	-0.1%	-0.2%

## LDAs

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

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

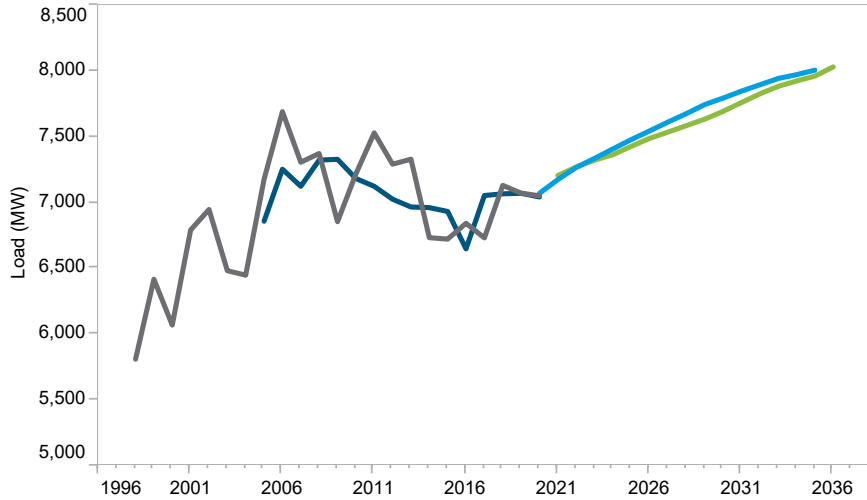


- California-Lexington Park, MD
- PEPCO - Non-Metro
- Washington-Arlington-Alexandria, DC-VA-MD-WV

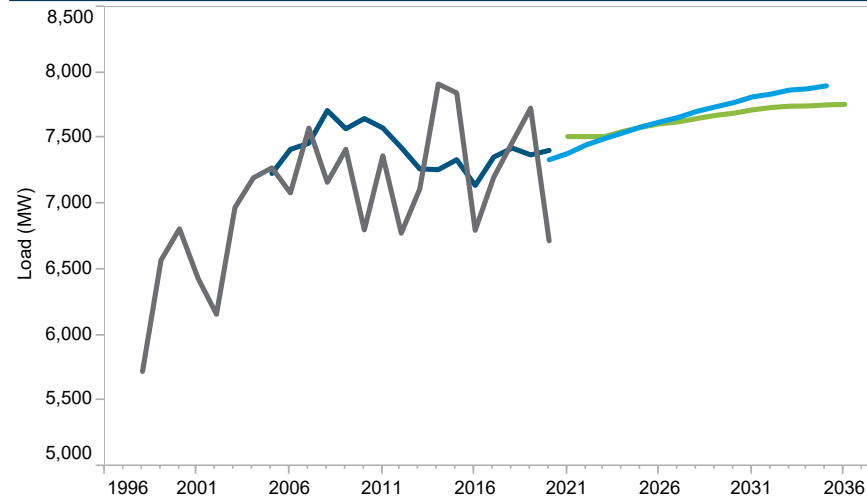
- Peak
- WN peak
- Forecast 2020
- Forecast 2021

# PPL Electric Utilities (PL)

Summer Peak



Winter Peak

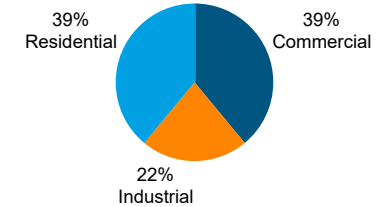


Peak
  WN peak
  Forecast 2020
  Forecast 2021

Weather - Annual Average 1994-2019

Cooling Degree Days	821
Heating Degree Days	4,357
Temperature-Humidity Index	82.9
Wind-Adjusted Temperature	9.4

RCI Makeup



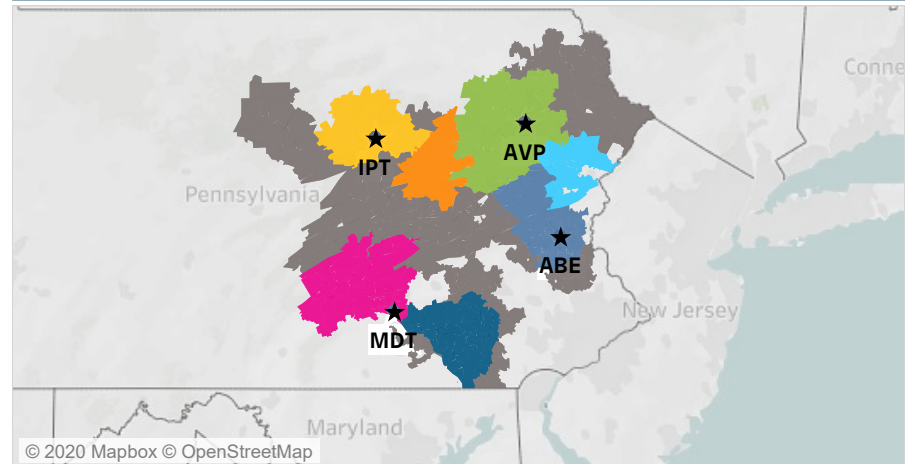
Zonal 10/15 Year Load Growth

SUMMER	0.7%	0.7%
WINTER	0.3%	0.2%

LDAs

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

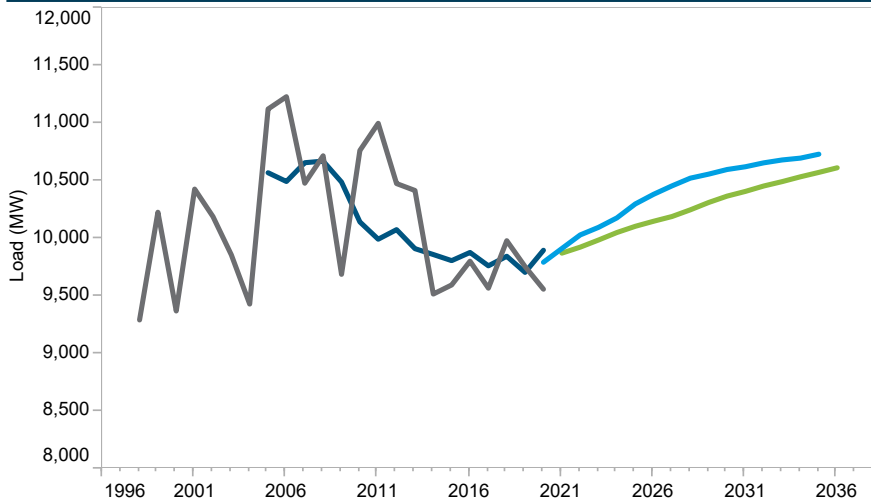
Metropolitan Statistical Areas and Weather Stations



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

# Public Service Electric & Gas (PS)

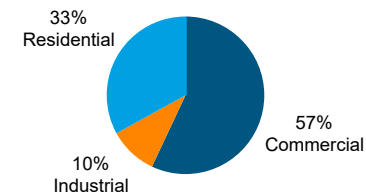
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,238
Heating Degree Days	3,569
Temperature-Humidity Index	84.8
Wind-Adjusted Temperature	10.6

## RCI Makeup



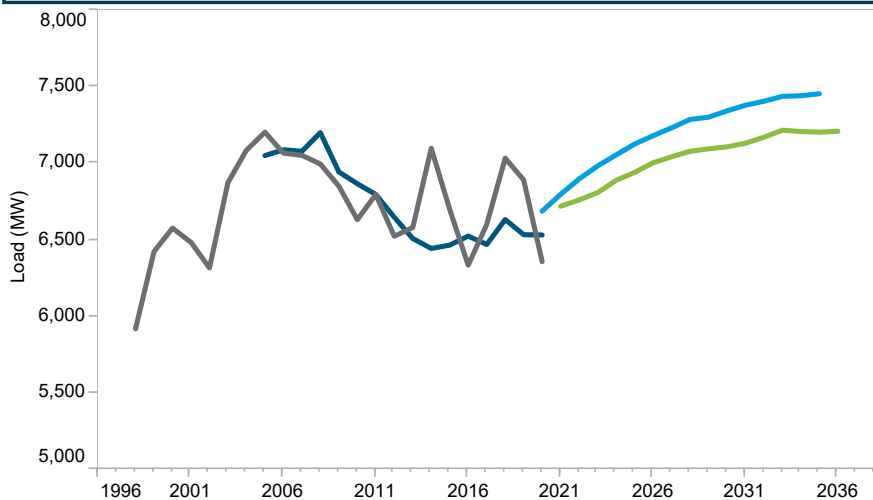
## Zonal 10/15 Year Load Growth

SUMMER	0.5%	0.5%
WINTER	0.6%	0.5%

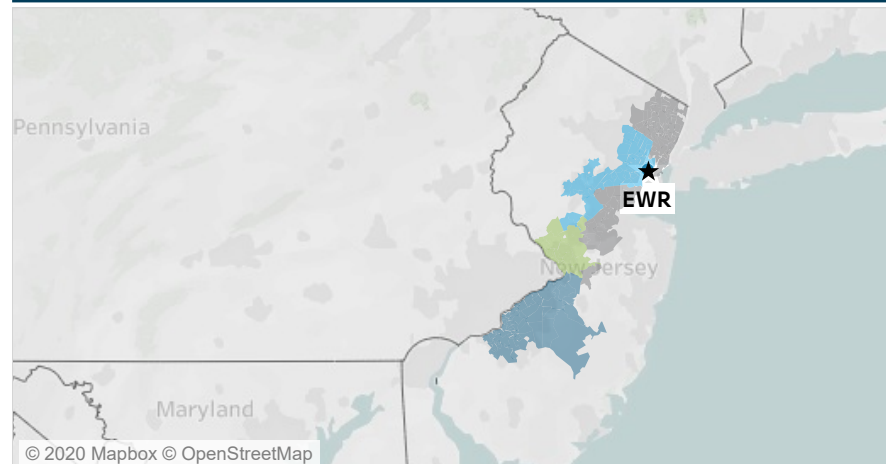
## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

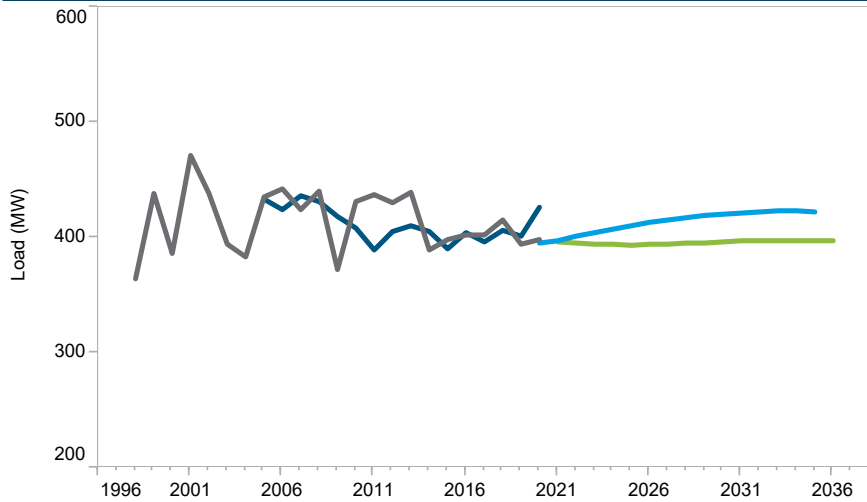


Peak
  WN peak
  Forecast 2020
  Forecast 2021

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

# Rockland Electric Company (RECO)

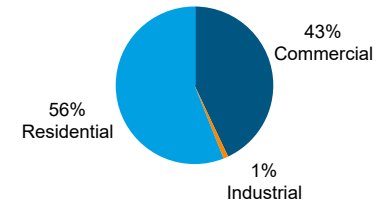
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	1,238
Heating Degree Days	3,569
Temperature-Humidity Index	84.8
Wind-Adjusted Temperature	10.6

## RCI Makeup



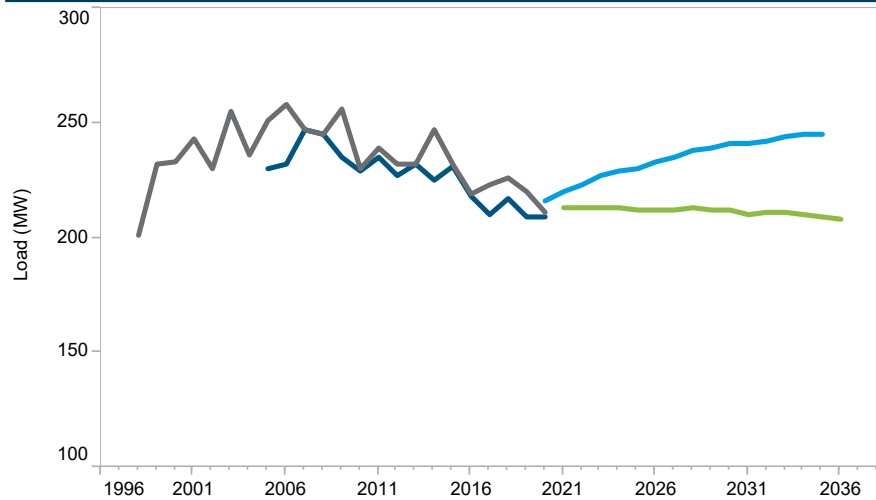
## Zonal 10/15 Year Load Growth

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

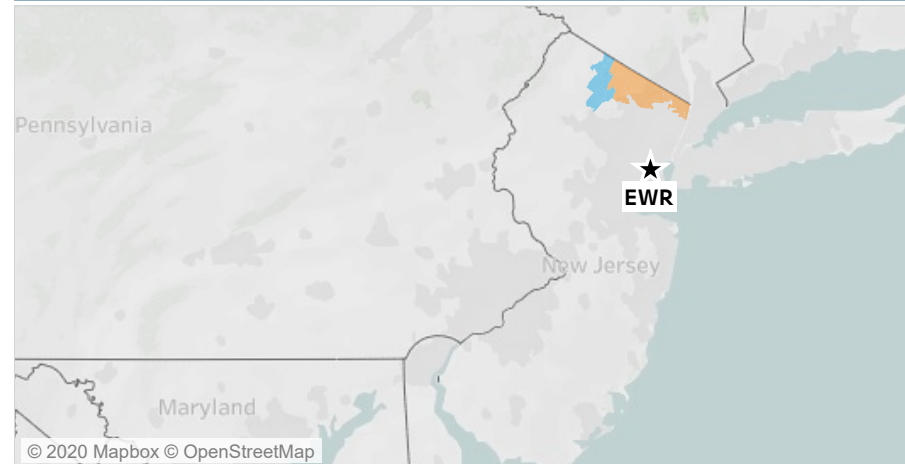
## LDAs

EASTERN MID-ATLANTIC PJM MID-ATLANTIC PJM RTO

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

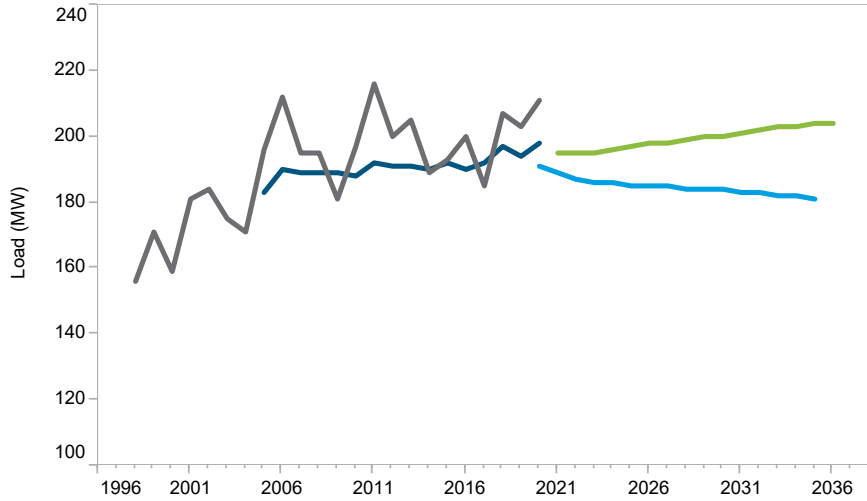


- New York-Jersey City-White Plains, NY-NJ
- Newark, NJ-PA

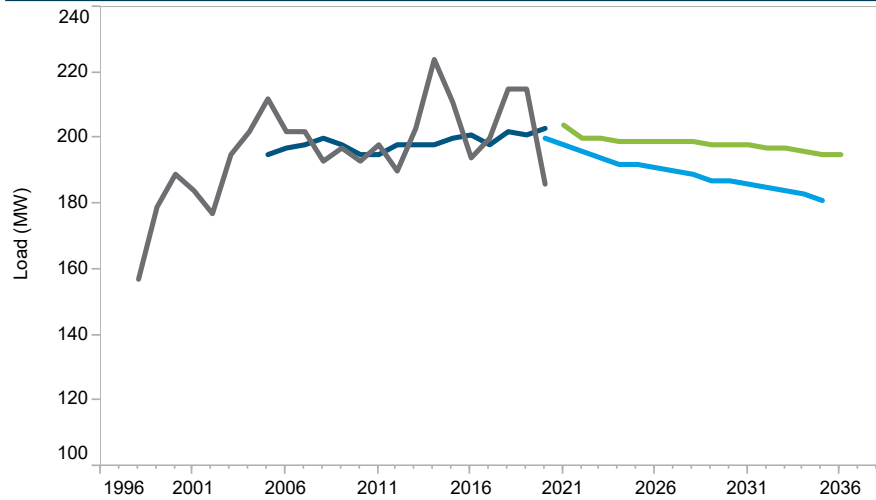
■ Peak    ■ WN peak    ■ Forecast 2020    ■ Forecast 2021

# UGI Energy Services (UGI)

## Summer Peak



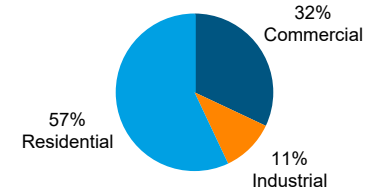
## Winter Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	649
Heating Degree Days	4,718
Temperature-Humidity Index	82.2
Wind-Adjusted Temperature	6.0

## RCI Makeup



## Zonal 10/15 Year Load Growth

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

## LDAs

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

## Metropolitan Statistical Areas and Weather Stations



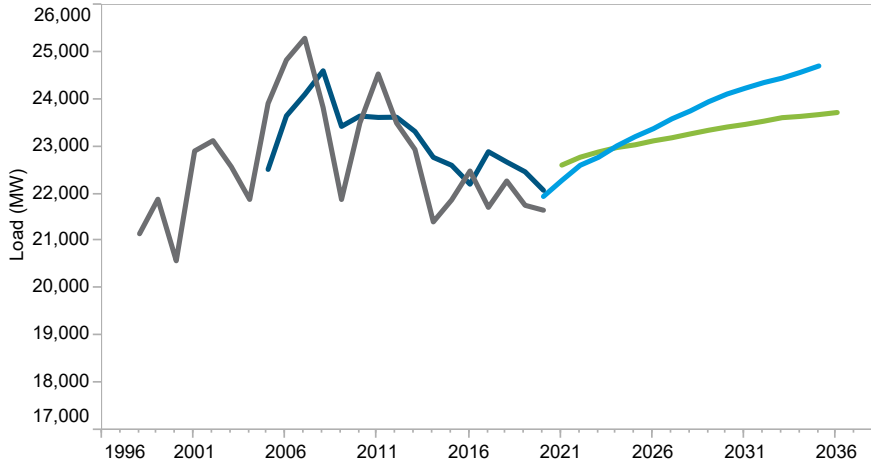
Scranton--Wilkes-Barre--Hazleton, PA

█ Peak      █ WN peak      █ Forecast 2020      █ Forecast 2021



# American Electric Power (AEP)

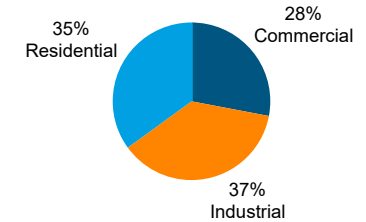
Summer Peak



Weather - Annual Average 1994-2019

Cooling Degree Days	921
Heating Degree Days	3,955
Temperature-Humidity Index	82.3
Wind-Adjusted Temperature	8.9

RCI Makeup



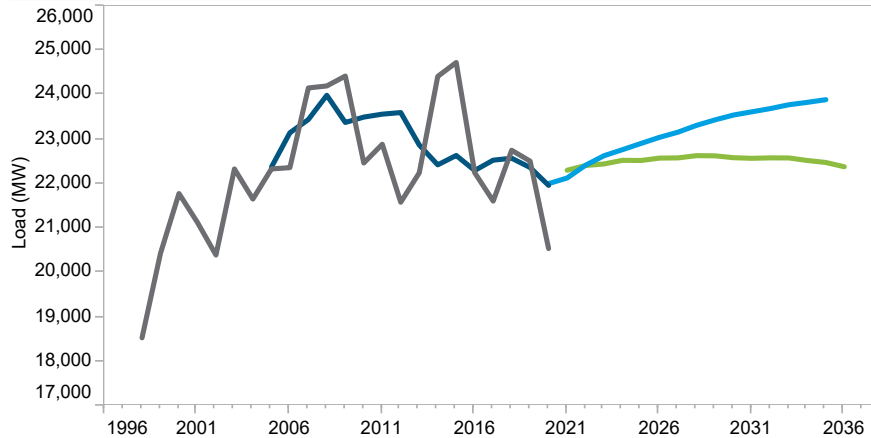
Zonal 10/15 Year Load Growth

SUMMER	0.4%	0.3%
WINTER	0.1%	0.0%

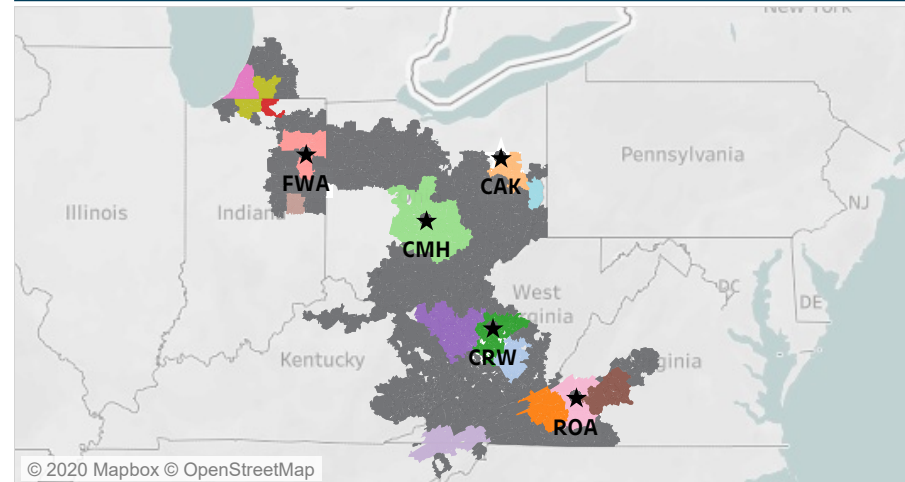
LDAs

PJM RTO PJM WESTERN

Winter Peak



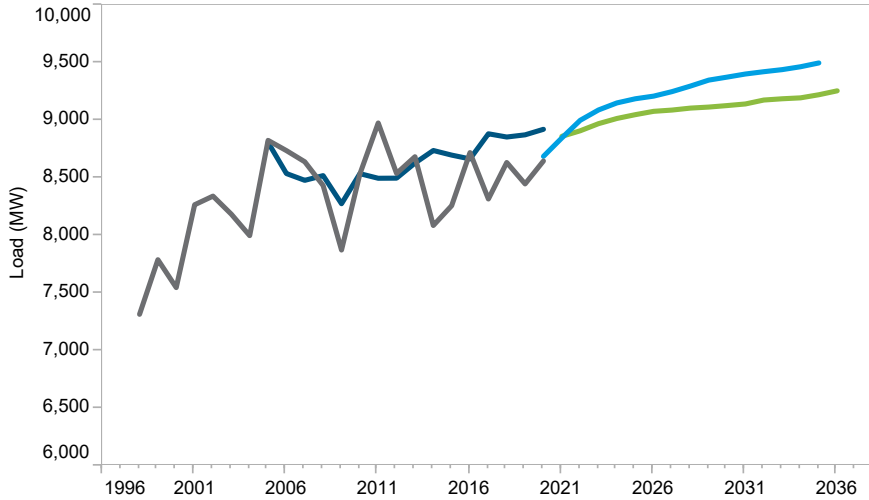
Metropolitan Statistical Areas and Weather Stations



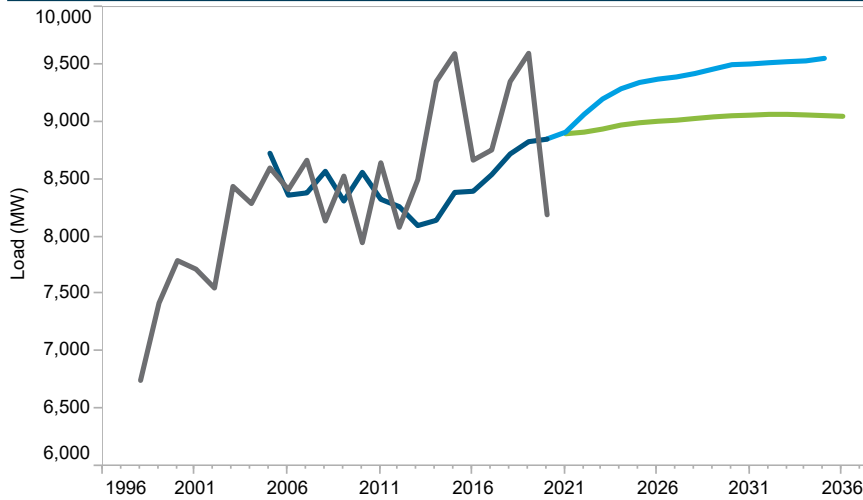
- Peak
- AEP - Non-Metro
- Columbus, OH
- Lynchburg, VA
- Weirton-Steubenville, WV-OH
- WN peak
- Beckley, WV
- Elkhart-Goshen, IN
- Muncie, IN
- Blacksburg-Christiansburg-Radford, VA
- Fort Wayne, IN
- Nilis-Benton Harbor, MI
- Canton-Massillon, OH
- Huntington-Ashland, WV-KY-OH
- Roanoke, VA
- Charleston,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

# Allegheny Power Systems (APS)

## Summer Peak



## Winter Peak



■ Peak     
 ■ WN peak     
 ■ Forecast 2020     
 ■ Forecast 2021

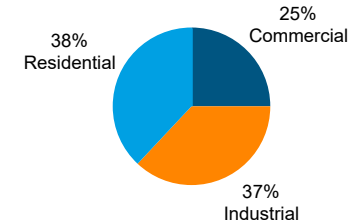
## Weather - Annual Average 1994-2019

Cooling Degree Days	883
Heating Degree Days	4,071
Temperature-Humidity Index	82.3
Wind-Adjusted Temperature	8.5

## Zonal 10/15 Year Load Growth

SUMMER	0.3%	0.3%
WINTER	0.2%	0.1%

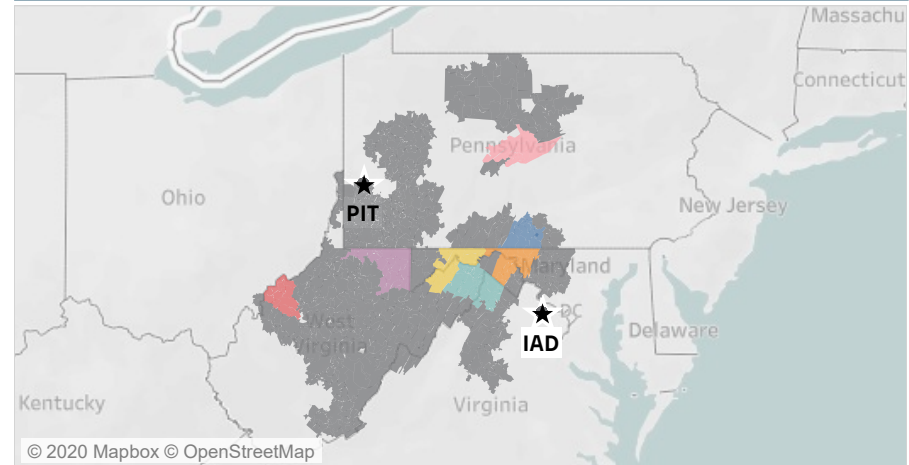
## RCI Makeup



## LDAs

PJM RTO PJM WESTERN

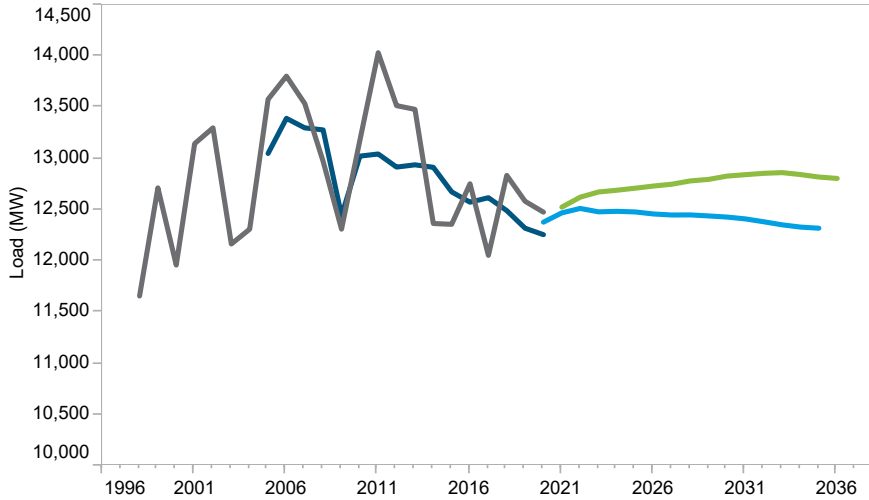
## Metropolitan Statistical Areas and Weather Stations



- 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)

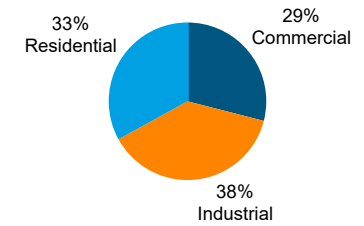
Summer Peak



Weather - Annual Average 1994-2019

Cooling Degree Days	766
Heating Degree Days	4,659
Temperature-Humidity Index	81.9
Wind-Adjusted Temperature	3.9

RCI Makeup



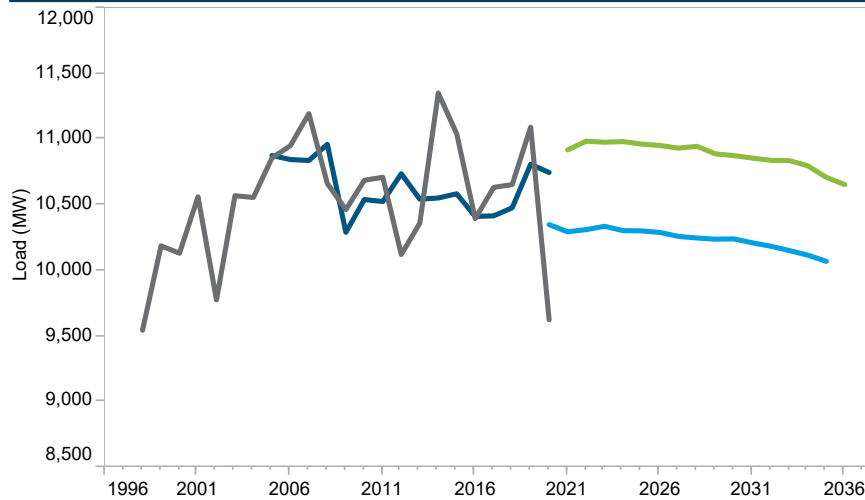
Zonal 10/15 Year Load Growth

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

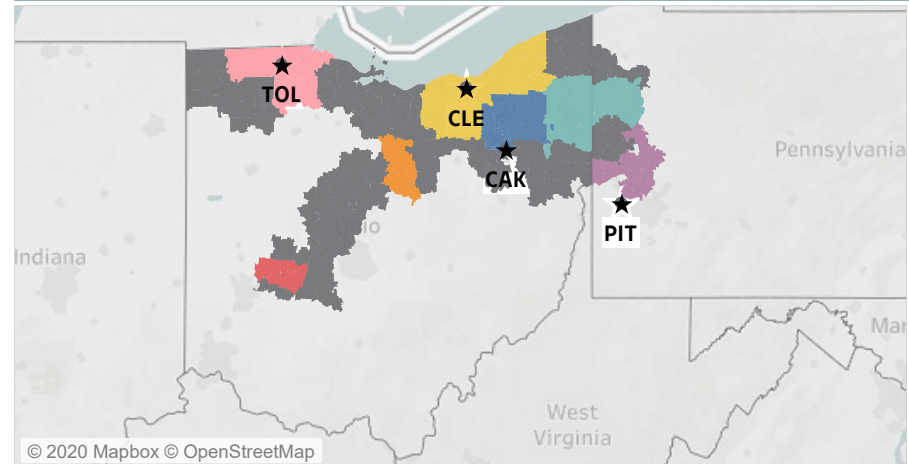
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations

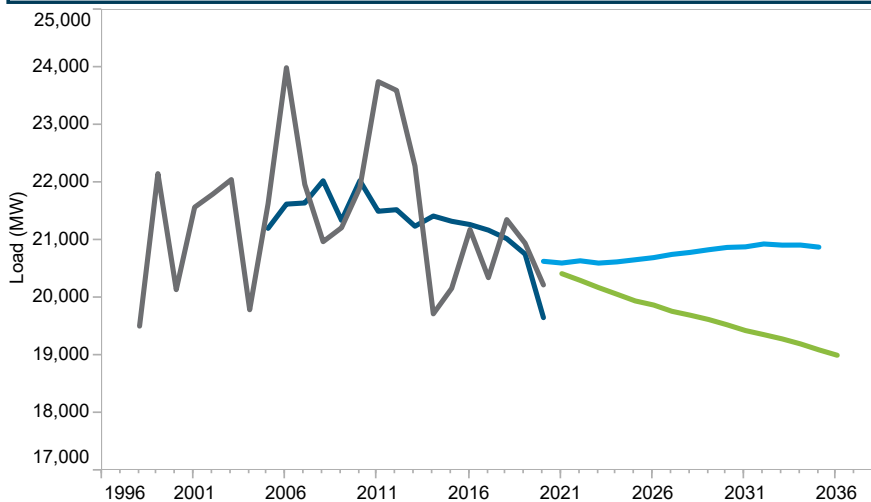


Peak  
 WN peak  
 Forecast 2020  
 Forecast 2021

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

# Commonweath Edison (COMED)

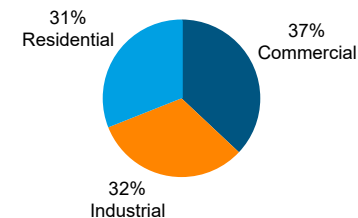
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	914
Heating Degree Days	4,940
Temperature-Humidity Index	84.0
Wind-Adjusted Temperature	-1.6

## RCI Makeup



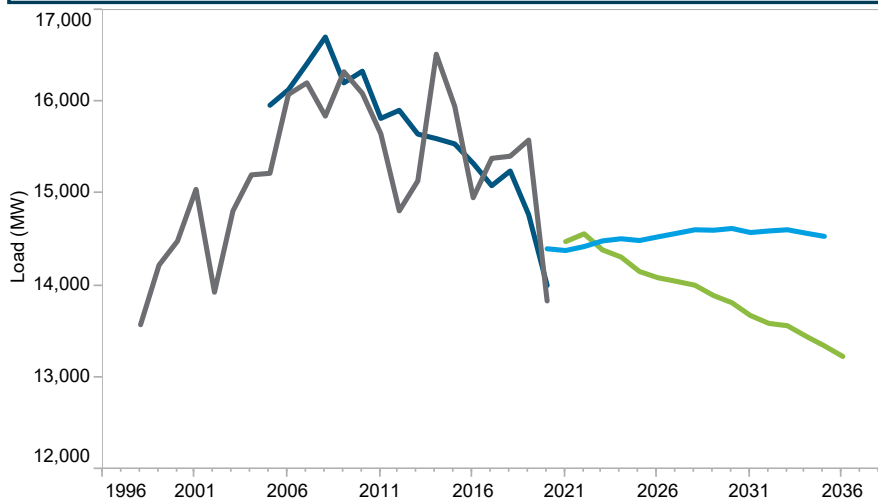
## Zonal 10/15 Year Load Growth

SUMMER	-0.5%	-0.5%
WINTER	-0.6%	-0.6%

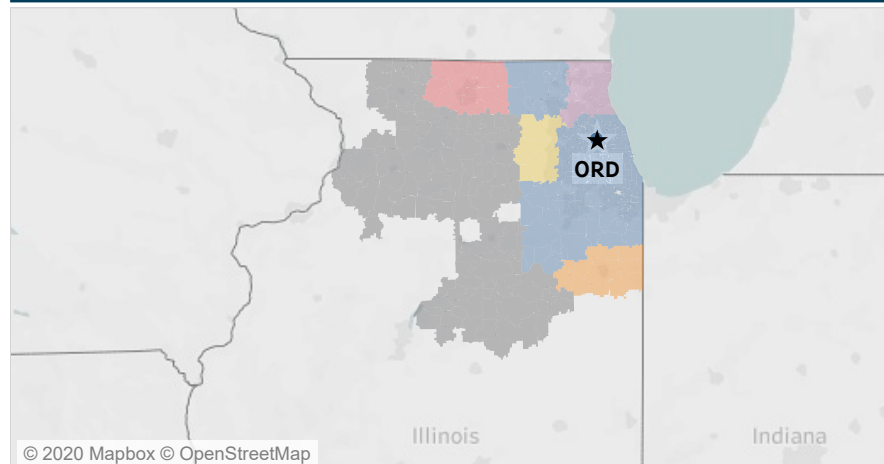
## LDAs

PJM RTO PJM WESTERN

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

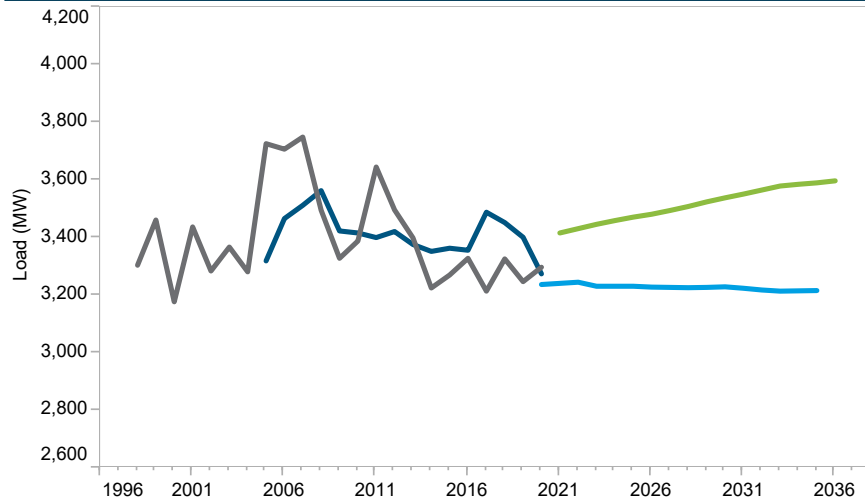


- Chicago-Naperville-Arlington Heights, IL
- Chicago-Naperville-Elgin, IL-IN-WI
- COMED - Non-Metro
- Kankakee, IL
- Lake County-Kenosha County, IL-WI
- Rockford, IL

Peak
  WN peak
  Forecast 2020
  Forecast 2021

# Dayton Power and Light (DAYTON)

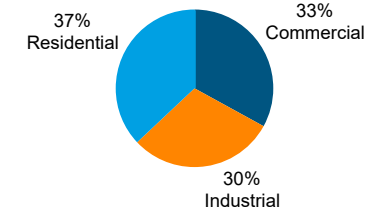
## Summer Peak



## Weather - Annual Average 1994-2019

Cooling Degree Days	944
Heating Degree Days	4,331
Temperature-Humidity Index	83.1
Wind-Adjusted Temperature	3.0

## RCI Makeup



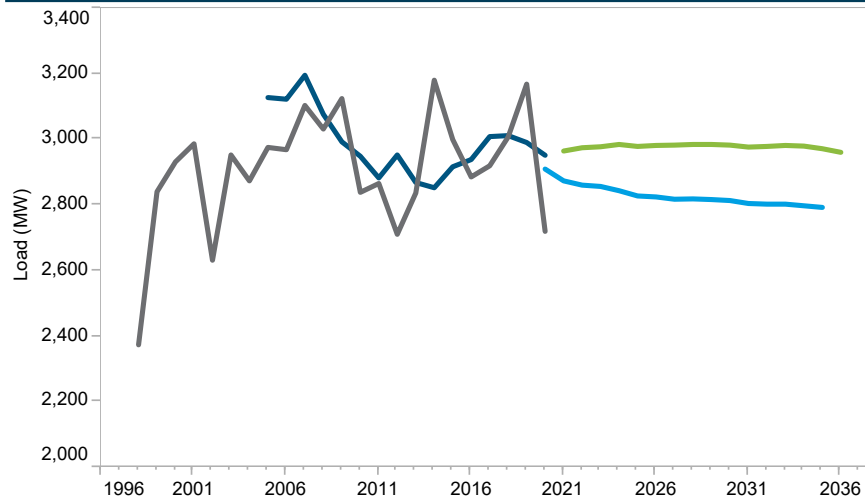
## Zonal 10/15 Year Load Growth

SUMMER	0.4%	0.3%
WINTER	0.0%	0.0%

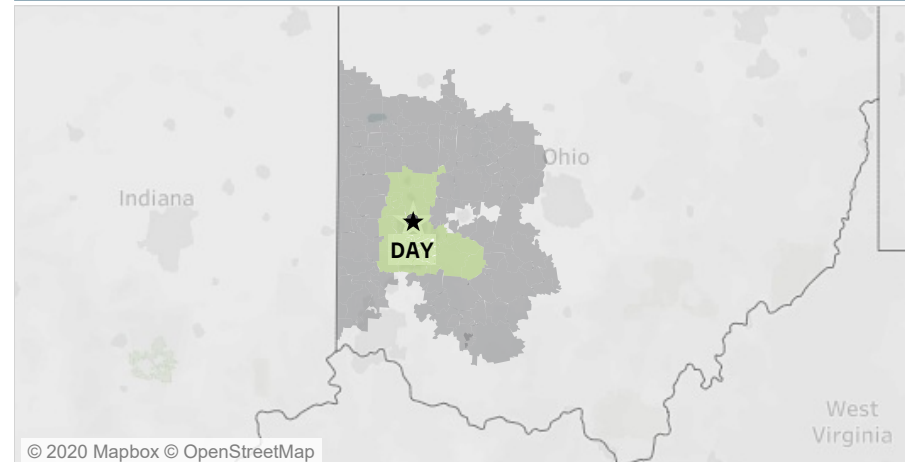
## LDAs

PJM RTO PJM WESTERN

## Winter Peak



## Metropolitan Statistical Areas and Weather Stations

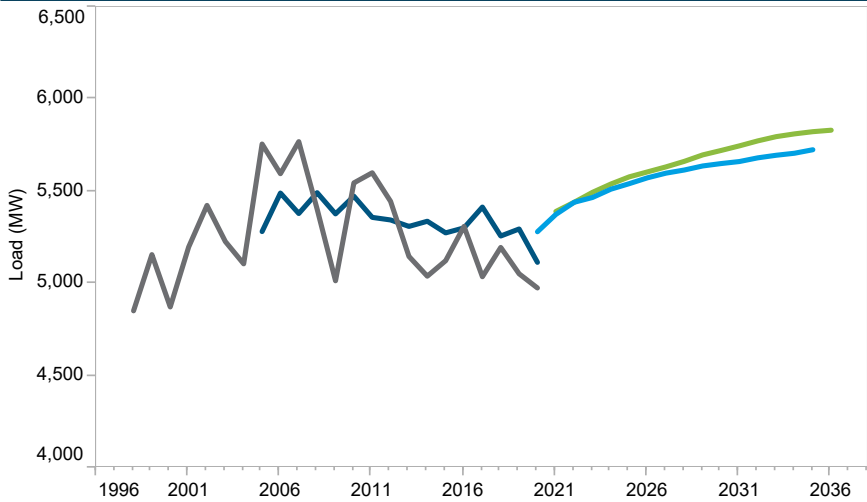


DAY - Non-Metro  
 Dayton, OH

Peak     
  WN peak     
  Forecast 2020     
  Forecast 2021

# Duke Energy Ohio and Kentucky (DEOK)

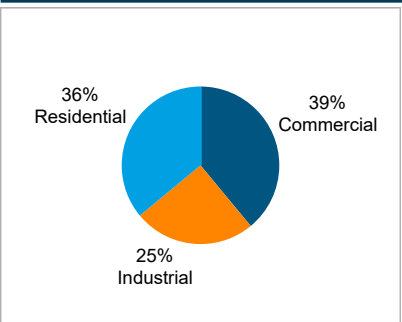
**Summer Peak**



**Weather - Annual Average 1994-2019**

<b>Cooling Degree Days</b>	1,097
<b>Heating Degree Days</b>	3,808
<b>Temperature-Humidity Index</b>	83.8
<b>Wind-Adjusted Temperature</b>	7.9

**RCI Makeup**



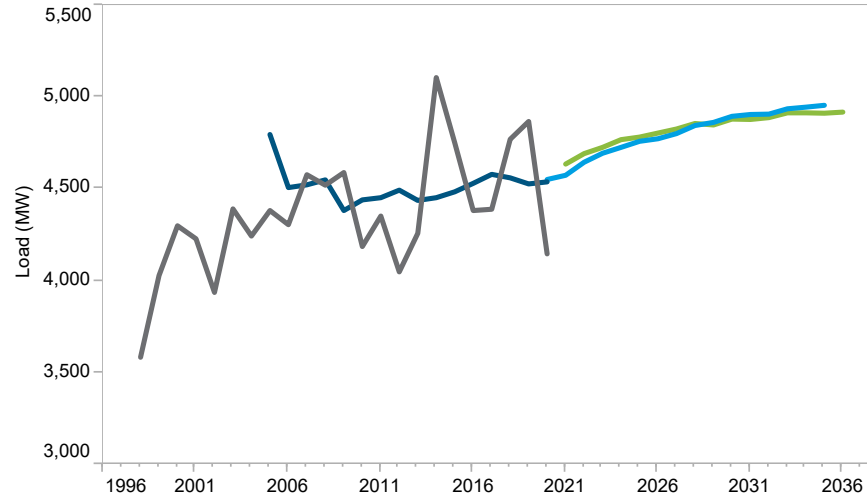
**Zonal 10/15 Year Load Growth**

SUMMER	0.6%	0.5%
WINTER	0.5%	0.4%

**LDAs**

PJM RTO PJM WESTERN

**Winter Peak**



**Metropolitan Statistical Areas and Weather Stations**

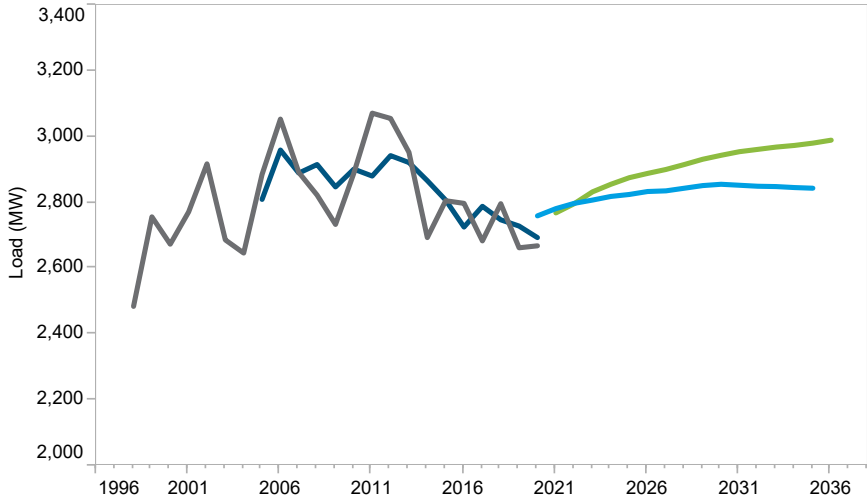


■ Cincinnati, OH-KY-IN  
■ DEOK - Non-Metro

■ Peak     
 ■ WN peak     
 ■ Forecast 2020     
 ■ Forecast 2021

# Duquesne Light Company (DLCO)

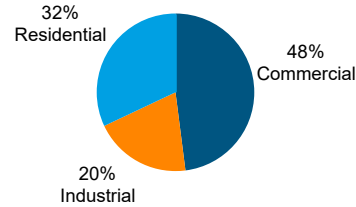
Summer Peak



Weather - Annual Average 1994-2019

Cooling Degree Days	781
Heating Degree Days	4,361
Temperature-Humidity Index	81.9
Wind-Adjusted Temperature	5.2

RCI Makeup



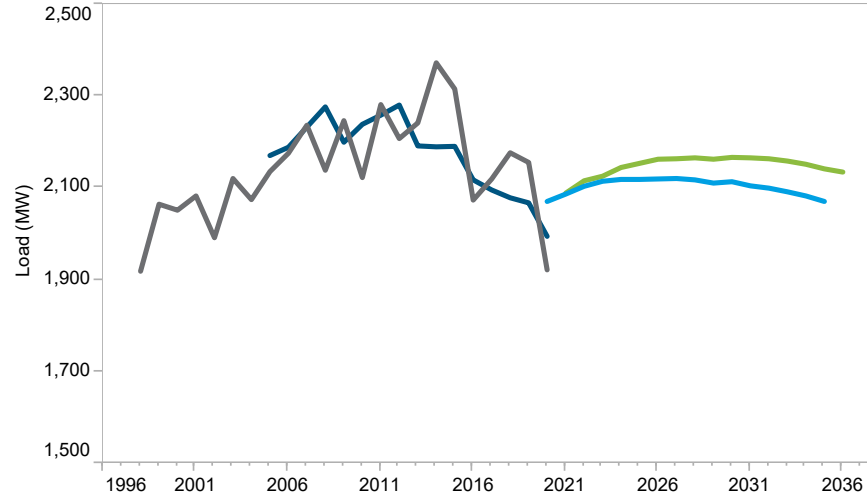
Zonal 10/15 Year Load Growth

SUMMER	0.7%	0.5%
WINTER	0.4%	0.1%

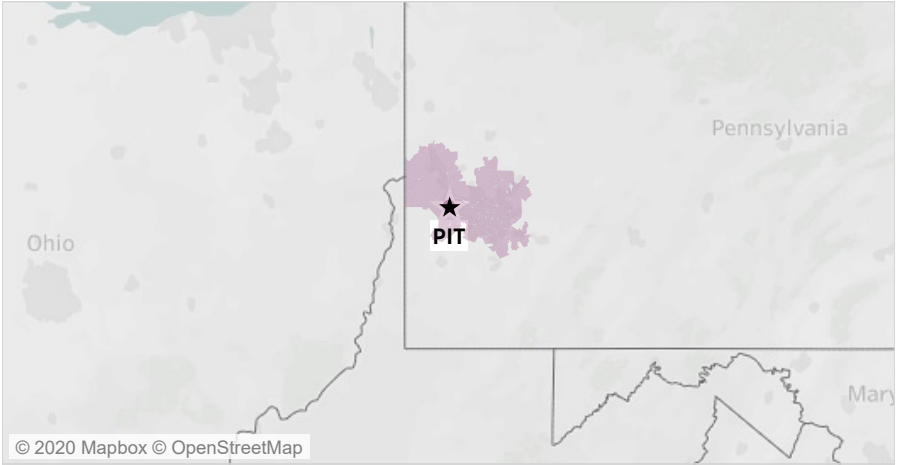
LDAs

PJM RTO PJM WESTERN

Winter Peak



Metropolitan Statistical Areas and Weather Stations

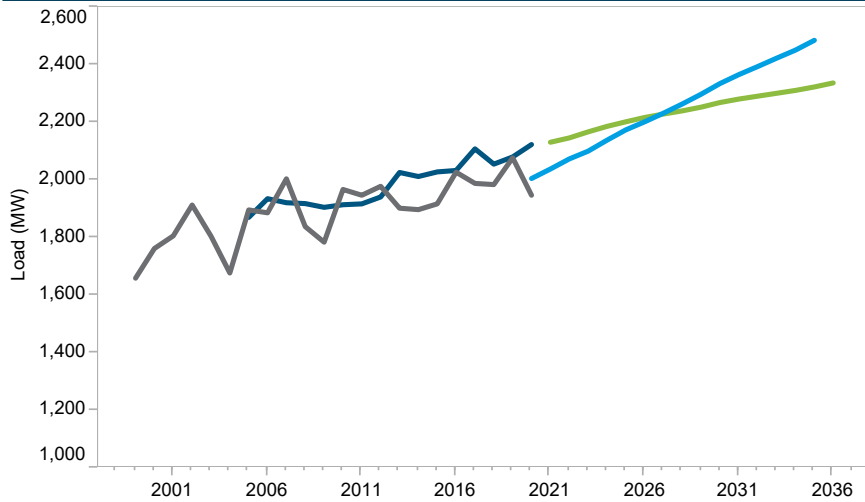


Pittsburgh, PA

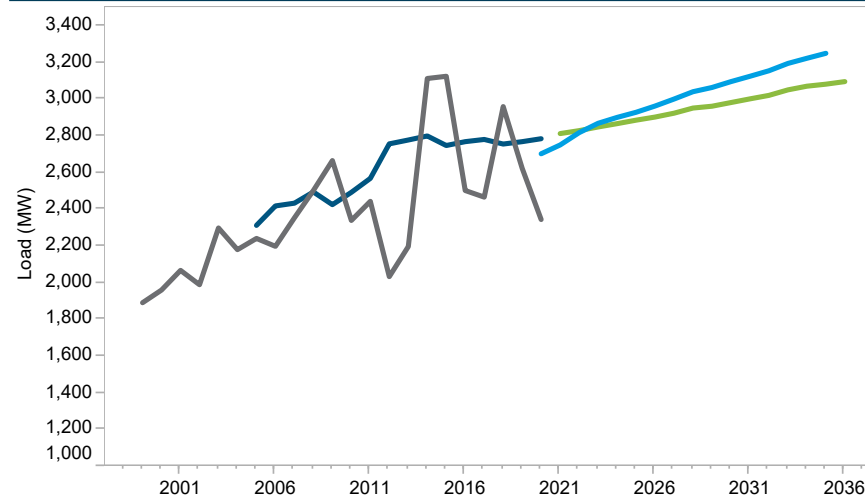
■ Peak      ■ WN peak      ■ Forecast 2020      ■ Forecast 2021

# East Kentucky Power Cooperative (EKPC)

## Summer Peak



## Winter Peak



Peak
  WN peak
  Forecast 2020
  Forecast 2021

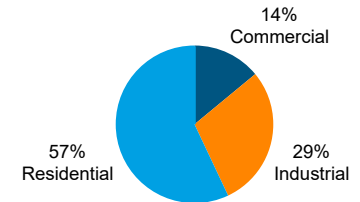
## Weather - Annual Average 1994-2019

Cooling Degree Days	1,245
Heating Degree Days	3,445
Temperature-Humidity Index	83.9
Wind-Adjusted Temperature	11.1

## Zonal 10/15 Year Load Growth

SUMMER	0.7%	0.6%
WINTER	0.7%	0.6%

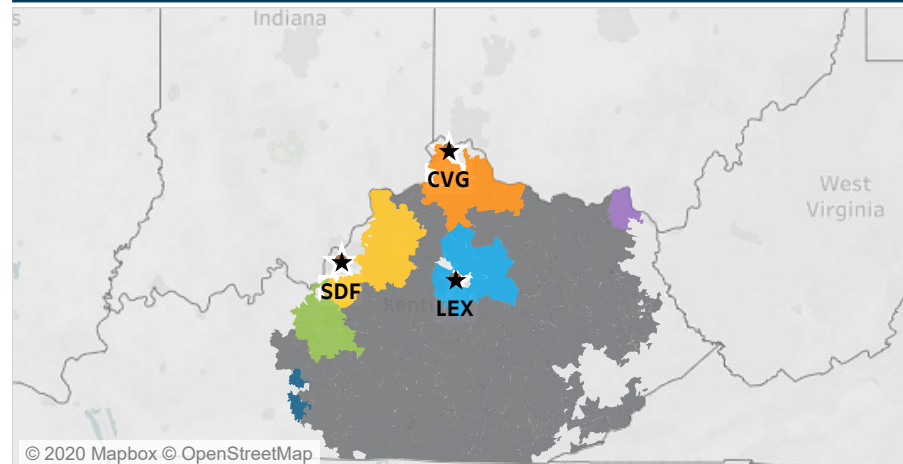
## RCI Makeup



## LDAs

PJM RTO PJM WESTERN

## Metropolitan Statistical Areas and Weather Stations



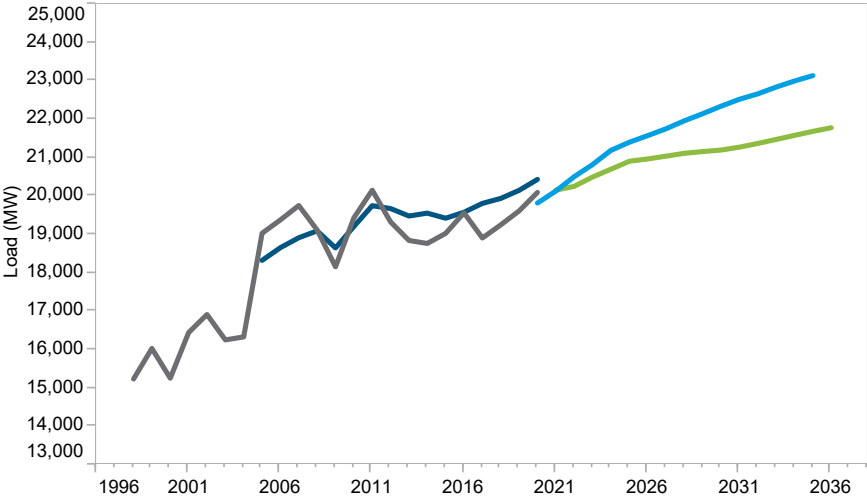
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- Bowling Green, KY
- Cincinnati, OH-KY-IN
- EKPC - Non-Metro
- Huntington-Ashland, WV-KY-OH
- Lexington-Fayette, KY
- Louisville/Jefferson County, KY-IN
- Elizabethtown-Fort Knox, KY

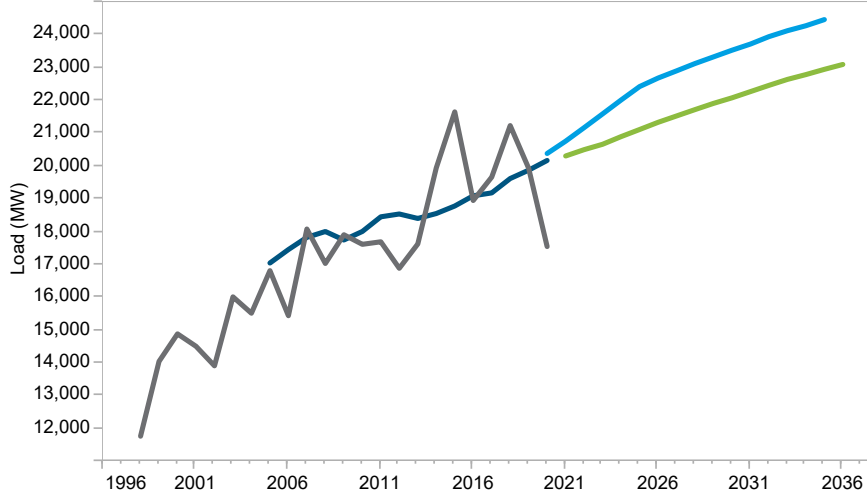


# Dominion (DOM)

Summer Peak



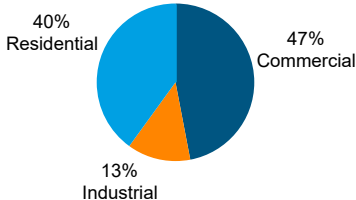
Winter Peak



Weather - Annual Average 1994-2019

Cooling Degree Days	1,398
Heating Degree Days	2,773
Temperature-Humidity Index	84.6
Wind-Adjusted Temperature	20.1

RCI Makeup



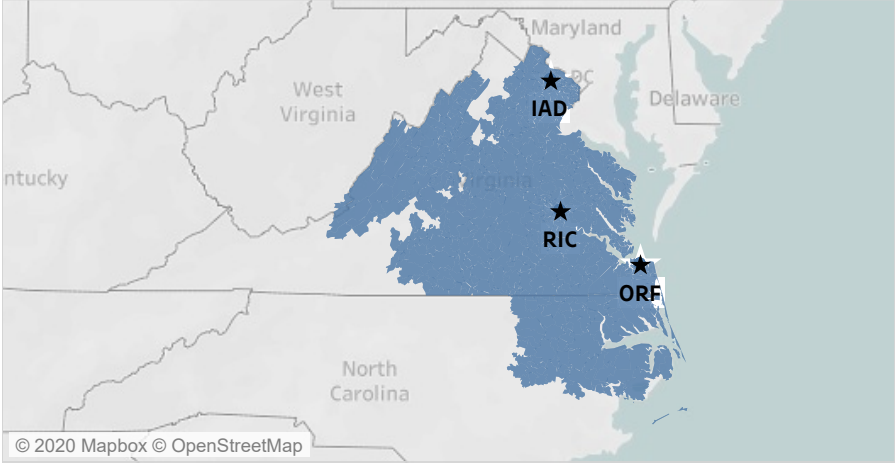
Zonal 10/15 Year Load Growth

SUMMER	0.5%	0.5%
WINTER	0.9%	0.9%

LDAs

PJM RTO

Metropolitan Statistical Areas and Weather Stations



Virginia Commonwealth Economics

■ Peak    ■ WN peak    ■ Forecast 2020    ■ Forecast 2021

**Table A-1**

**PJM MID-ATLANTIC REGION  
SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2020 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	2021		2026		2031	
	MW	%	MW	%	MW	%
AE	(107)	-4.2%	(154)	-5.7%	(189)	-6.8%
BGE	115	1.8%	190	2.9%	86	1.3%
DPL	(124)	-3.1%	(217)	-5.2%	(386)	-8.8%
JCPL	16	0.3%	(8)	-0.1%	48	0.8%
METED	25	0.8%	(15)	-0.5%	(55)	-1.7%
PECO	(84)	-1.0%	4	0.0%	8	0.1%
PENLC	49	1.7%	120	4.1%	193	6.5%
PEPCO	(167)	-2.7%	(259)	-4.4%	(517)	-9.0%
PL	31	0.4%	(57)	-0.8%	(87)	-1.1%
PS	(40)	-0.4%	(234)	-2.3%	(214)	-2.0%
RECO	(1)	-0.3%	(19)	-4.6%	(24)	-5.7%
UGI	6	3.2%	13	7.0%	18	9.8%
PJM MID-ATLANTIC	(445)	-0.8%	(446)	-0.8%	(928)	-1.6%
FE-EAST	95	0.8%	88	0.7%	173	1.4%
PLGRP	36	0.5%	(44)	-0.6%	(69)	-0.9%

**Table A-1**

**PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO  
SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2020 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	2021		2026		2031	
	MW	%	MW	%	MW	%
AEP	325	1.5%	(259)	-1.1%	(767)	-3.2%
APS	14	0.2%	(132)	-1.4%	(260)	-2.8%
ATSI	56	0.4%	273	2.2%	432	3.5%
COMED	(184)	-0.9%	(823)	-4.0%	(1,453)	-7.0%
DAYTON	175	5.4%	253	7.8%	327	10.1%
DEOK	16	0.3%	32	0.6%	85	1.5%
DLCO	(13)	-0.5%	55	1.9%	102	3.6%
EKPC	93	4.6%	15	0.7%	(85)	-3.6%
OVEC	(5)	-5.3%	(5)	-5.3%	(5)	-5.3%
PJM WESTERN	(442)	-0.6%	(1,721)	-2.2%	(2,520)	-3.2%
DOM	24	0.1%	(607)	-2.8%	(1,247)	-5.5%
PJM RTO	(392)	-0.3%	(2,209)	-1.4%	(3,878)	-2.5%

**Table A-2**

**PJM MID-ATLANTIC REGION  
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2020 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	20/21		25/26		30/31	
	MW	%	MW	%	MW	%
AE	(25)	-1.6%	(86)	-5.2%	(115)	-6.7%
BGE	125	2.1%	11	0.2%	33	0.5%
DPL	121	3.2%	8	0.2%	(48)	-1.1%
JCPL	(62)	-1.7%	(90)	-2.3%	(95)	-2.4%
METED	27	1.0%	(42)	-1.5%	(112)	-3.8%
PECO	(96)	-1.4%	(61)	-0.9%	(35)	-0.5%
PENLC	41	1.5%	67	2.4%	80	2.8%
PEPCO	(32)	-0.6%	(160)	-2.7%	(194)	-3.3%
PL	130	1.8%	(14)	-0.2%	(99)	-1.3%
PS	(78)	-1.1%	(177)	-2.5%	(248)	-3.4%
RECO	(7)	-3.2%	(21)	-9.0%	(31)	-12.9%
UGI	6	3.0%	8	4.2%	12	6.5%
PJM MID-ATLANTIC	(505)	-1.1%	(1,236)	-2.5%	(1,475)	-3.0%
FE-EAST	(46)	-0.5%	(129)	-1.4%	(198)	-2.0%
PLGRP	129	1.7%	(10)	-0.1%	(94)	-1.2%

**Table A-2**

**PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO  
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2020 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	20/21		25/26		30/31	
	MW	%	MW	%	MW	%
AEP	174	0.8%	(467)	-2.0%	(1,047)	-4.4%
APS	(14)	-0.2%	(367)	-3.9%	(446)	-4.7%
ATSI	624	6.1%	663	6.4%	646	6.3%
COMED	97	0.7%	(446)	-3.1%	(904)	-6.2%
DAYTON	91	3.2%	157	5.6%	172	6.1%
DEOK	61	1.3%	31	0.6%	(27)	-0.6%
DLCO	2	0.1%	43	2.0%	61	2.9%
EKPC	62	2.3%	(60)	-2.0%	(123)	-3.9%
OVEC	(5)	-4.0%	(5)	-4.0%	(5)	-4.0%
PJM WESTERN	795	1.2%	(565)	-0.8%	(1,949)	-2.8%
DOM	(452)	-2.2%	(1,350)	-6.0%	(1,450)	-6.1%
PJM RTO	(148)	-0.1%	(3,158)	-2.3%	(4,800)	-3.4%

**Table B-1**

**SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2021 - 2031**

	METERED 2020	UNRESTRICTED 2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Annual Growth Rate (10 yr)
AE	2,635	2,635	2,470	2,492	2,503	2,511	2,517	2,528	2,541	2,556	2,575	2,590	2,605	0.5%
				0.9%	0.4%	0.3%	0.2%	0.4%	0.5%	0.6%	0.7%	0.6%	0.6%	
BGE	6,701	6,701	6,582	6,606	6,652	6,688	6,705	6,696	6,680	6,677	6,680	6,676	6,652	0.1%
				0.4%	0.7%	0.5%	0.3%	-0.1%	-0.2%	-0.0%	0.0%	-0.1%	-0.4%	
DPL	4,086	4,101	3,895	3,906	3,927	3,941	3,958	3,962	3,969	3,977	3,985	3,976	3,976	0.2%
				0.3%	0.5%	0.4%	0.4%	0.1%	0.2%	0.2%	0.2%	-0.2%	0.0%	
JCPL	5,904	5,904	5,876	5,891	5,920	5,945	5,972	6,006	6,037	6,071	6,121	6,151	6,193	0.5%
				0.3%	0.5%	0.4%	0.5%	0.6%	0.5%	0.6%	0.8%	0.5%	0.7%	
METED	2,977	2,977	3,060	3,085	3,106	3,124	3,148	3,165	3,183	3,201	3,211	3,233	3,255	0.6%
				0.8%	0.7%	0.6%	0.8%	0.5%	0.6%	0.6%	0.3%	0.7%	0.7%	
PECO	8,148	8,148	8,389	8,451	8,503	8,547	8,583	8,600	8,614	8,628	8,666	8,675	8,691	0.4%
				0.7%	0.6%	0.5%	0.4%	0.2%	0.2%	0.2%	0.4%	0.1%	0.2%	
PENLC	2,912	2,912	2,894	2,924	2,943	2,962	2,990	3,021	3,041	3,070	3,102	3,126	3,164	0.9%
				1.0%	0.6%	0.6%	0.9%	1.0%	0.7%	1.0%	1.0%	0.8%	1.2%	
PEPCO	5,887	5,887	5,924	5,814	5,793	5,780	5,727	5,646	5,551	5,476	5,414	5,335	5,248	( 1.2%)
				-1.9%	-0.4%	-0.2%	-0.9%	-1.4%	-1.7%	-1.4%	-1.1%	-1.5%	-1.6%	
PL	7,050	7,050	7,204	7,269	7,321	7,362	7,426	7,486	7,534	7,583	7,632	7,691	7,758	0.7%
				0.9%	0.7%	0.6%	0.9%	0.8%	0.6%	0.7%	0.6%	0.8%	0.9%	
PS	9,558	9,558	9,871	9,923	9,985	10,050	10,104	10,148	10,189	10,247	10,311	10,366	10,407	0.5%
				0.5%	0.6%	0.7%	0.5%	0.4%	0.4%	0.6%	0.6%	0.5%	0.4%	
RECO	398	398	396	395	394	394	393	394	394	395	395	396	397	0.0%
				-0.3%	-0.3%	0.0%	-0.3%	0.3%	0.0%	0.3%	0.0%	0.3%	0.3%	
UGI	211	211	195	195	195	196	197	198	198	199	200	200	201	0.3%
				0.0%	0.0%	0.5%	0.5%	0.5%	0.0%	0.5%	0.5%	0.0%	0.5%	
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	55,967	55,981	55,770	56,039	56,311	56,619	56,903	57,093	57,209	57,264	57,487	57,636	57,737	0.3%
			986	912	931	881	817	757	722	816	805	779	810	
			0.5%	0.5%	0.5%	0.5%	0.5%	0.3%	0.2%	0.1%	0.4%	0.3%	0.2%	
FE-EAST	11,652	11,652	11,680	11,752	11,815	11,870	11,957	12,025	12,100	12,183	12,261	12,349	12,439	0.6%
				0.6%	0.5%	0.5%	0.7%	0.6%	0.6%	0.7%	0.6%	0.7%	0.7%	
PLGRP	7,260	7,260	7,397	7,462	7,515	7,554	7,622	7,682	7,731	7,780	7,830	7,887	7,957	0.7%
				0.9%	0.7%	0.5%	0.9%	0.8%	0.6%	0.6%	0.6%	0.7%	0.9%	

**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).

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  
2032 - 2036

	2032	2033	2034	2035	2036	Annual Growth Rate (15 yr)
AE	2,622	2,629	2,633	2,639	2,654	0.5%
	0.7%	0.3%	0.2%	0.2%	0.6%	
BGE	6,635	6,653	6,643	6,650	6,657	0.1%
	-0.3%	0.3%	-0.2%	0.1%	0.1%	
DPL	3,951	3,945	3,935	3,938	3,946	0.1%
	-0.6%	-0.2%	-0.3%	0.1%	0.2%	
JCPL	6,239	6,262	6,296	6,328	6,365	0.5%
	0.7%	0.4%	0.5%	0.5%	0.6%	
METED	3,274	3,284	3,297	3,309	3,328	0.6%
	0.6%	0.3%	0.4%	0.4%	0.6%	
PECO	8,695	8,685	8,684	8,690	8,691	0.2%
	0.0%	-0.1%	-0.0%	0.1%	0.0%	
PENLC	3,200	3,236	3,262	3,291	3,326	0.9%
	1.1%	1.1%	0.8%	0.9%	1.1%	
PEPCO	5,166	5,089	5,045	5,000	4,955	( 1.2%)
	-1.6%	-1.5%	-0.9%	-0.9%	-0.9%	
PL	7,824	7,881	7,922	7,959	8,029	0.7%
	0.9%	0.7%	0.5%	0.5%	0.9%	
PS	10,454	10,492	10,534	10,572	10,612	0.5%
	0.5%	0.4%	0.4%	0.4%	0.4%	
RECO	397	397	397	397	397	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
UGI	202	203	203	204	204	0.3%
	0.5%	0.5%	0.0%	0.5%	0.0%	
DIVERSITY - MID-ATLANTIC(-)	881	906	971	1,082	1,060	
PJM MID-ATLANTIC	57,778	57,850	57,880	57,895	58,104	0.3%
	0.1%	0.1%	0.1%	0.0%	0.4%	
FE-EAST	12,535	12,611	12,687	12,742	12,823	0.6%
	0.8%	0.6%	0.6%	0.4%	0.6%	
PLGRP	8,024	8,082	8,123	8,159	8,232	0.7%
	0.8%	0.7%	0.5%	0.4%	0.9%	

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).

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  
2021 - 2031**

	METERED 2020	UNRESTRICTED 2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Annual Growth Rate (10 yr)
AEP	21,654	21,654	22,609	22,776	22,887	22,981	23,039	23,123	23,188	23,269	23,347	23,415	23,471	0.4%
				0.7%	0.5%	0.4%	0.3%	0.4%	0.3%	0.3%	0.3%	0.3%	0.2%	
APS	8,638	8,645	8,859	8,907	8,969	9,014	9,047	9,076	9,087	9,104	9,113	9,126	9,140	0.3%
				0.5%	0.7%	0.5%	0.4%	0.3%	0.1%	0.2%	0.1%	0.1%	0.2%	
ATSI	12,466	12,476	12,525	12,622	12,673	12,690	12,710	12,731	12,749	12,781	12,796	12,828	12,842	0.3%
				0.8%	0.4%	0.1%	0.2%	0.2%	0.1%	0.3%	0.1%	0.3%	0.1%	
COMED	20,221	20,225	20,421	20,304	20,179	20,064	19,947	19,876	19,767	19,699	19,624	19,533	19,433	( 0.5%)
				-0.6%	-0.6%	-0.6%	-0.6%	-0.4%	-0.5%	-0.3%	-0.4%	-0.5%	-0.5%	
DAYTON	3,296	3,296	3,415	3,430	3,445	3,458	3,470	3,480	3,493	3,507	3,523	3,537	3,550	0.4%
				0.4%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.5%	0.4%	0.4%	
DEOK	4,975	4,975	5,390	5,440	5,494	5,539	5,578	5,605	5,632	5,662	5,697	5,721	5,746	0.6%
				0.9%	1.0%	0.8%	0.7%	0.5%	0.5%	0.6%	0.6%	0.4%	0.4%	
DLCO	2,668	2,668	2,768	2,796	2,832	2,855	2,875	2,888	2,900	2,915	2,931	2,943	2,954	0.7%
				1.0%	1.3%	0.8%	0.7%	0.5%	0.4%	0.5%	0.5%	0.4%	0.4%	
EKPC	1,946	1,946	2,130	2,145	2,166	2,185	2,201	2,216	2,228	2,239	2,252	2,268	2,280	0.7%
				0.7%	1.0%	0.9%	0.7%	0.7%	0.5%	0.5%	0.6%	0.7%	0.5%	
OVEC	75	75	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	74,900	74,915	75,959	76,294	76,516	76,627	76,657	76,768	76,829	76,979	77,091	77,216	77,282	0.2%
			2,248	2,216	2,219	2,249	2,300	2,317	2,305	2,287	2,282	2,245	2,224	
			0.4%	0.3%	0.1%	0.0%	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%	0.1%	
DOM	20,087	20,090	20,150	20,248	20,491	20,694	20,902	20,962	21,034	21,109	21,154	21,194	21,269	0.5%
				0.5%	1.2%	1.0%	1.0%	0.3%	0.3%	0.4%	0.2%	0.2%	0.4%	
DIVERSITY - TOTAL(-) PJM RTO	144,283	144,320	149,224	149,966	150,855	151,503	151,928	152,290	152,571	152,971	153,268	153,536	153,759	0.3%
			5,889	5,743	5,613	5,567	5,651	5,607	5,528	5,484	5,551	5,534	5,563	
			0.5%	0.6%	0.4%	0.3%	0.2%	0.2%	0.3%	0.2%	0.2%	0.2%	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).

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  
2032 - 2036**

	2032	2033	2034	2035	2036	Annual Growth Rate (15 yr)
AEP	23,538	23,613	23,640	23,678	23,722	0.3%
	0.3%	0.3%	0.1%	0.2%	0.2%	
APS	9,174	9,185	9,193	9,220	9,254	0.3%
	0.4%	0.1%	0.1%	0.3%	0.4%	
ATSI	12,855	12,862	12,843	12,819	12,805	0.1%
	0.1%	0.1%	-0.1%	-0.2%	-0.1%	
COMED	19,362	19,288	19,201	19,098	19,004	( 0.5%)
	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%	
DAYTON	3,564	3,578	3,584	3,589	3,596	0.3%
	0.4%	0.4%	0.2%	0.1%	0.2%	
DEOK	5,773	5,796	5,811	5,823	5,831	0.5%
	0.5%	0.4%	0.3%	0.2%	0.1%	
DLCO	2,961	2,968	2,973	2,980	2,989	0.5%
	0.2%	0.2%	0.2%	0.2%	0.3%	
EKPC	2,290	2,300	2,310	2,322	2,336	0.6%
	0.4%	0.4%	0.4%	0.5%	0.6%	
OVEC	90	90	90	90	90	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	2,203 77,404	2,195 77,485	2,178 77,467	2,211 77,408	2,151 77,476	0.1%
	0.2%	0.1%	-0.0%	-0.1%	0.1%	
DOM	21,365	21,470	21,576	21,680	21,775	0.5%
	0.5%	0.5%	0.5%	0.5%	0.4%	
DIVERSITY - TOTAL(-) PJM RTO	5,586 154,045	5,583 154,323	5,511 154,561	5,656 154,620	5,838 154,728	0.2%
	0.2%	0.2%	0.2%	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).

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  
2020/21 - 2030/31

	METERED 19/20	UNRESTRICTED 19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	Annual Growth Rate (10 yr)
AE	1,484	1,484	1,538	1,541	1,541	1,555	1,567	1,579	1,584	1,592	1,596	1,602	1,606	0.4%
BGE	5,221	5,221	6,032	6,056	6,075	6,116	6,157	6,189	6,226	6,260	6,288	6,313	6,339	0.5%
DPL	3,206	3,206	3,876	3,891	3,910	3,938	3,959	3,994	4,020	4,050	4,076	4,101	4,126	0.6%
JCPL	3,547	3,547	3,658	3,683	3,719	3,755	3,781	3,812	3,846	3,874	3,897	3,926	3,936	0.7%
METED	2,516	2,516	2,701	2,711	2,717	2,736	2,749	2,758	2,765	2,775	2,786	2,796	2,808	0.4%
PECO	6,029	6,029	6,682	6,681	6,684	6,706	6,711	6,707	6,692	6,690	6,692	6,687	6,679	( 0.0%)
PENLC	2,667	2,667	2,842	2,857	2,862	2,865	2,867	2,870	2,874	2,882	2,885	2,897	2,896	0.2%
PEPCO	4,874	4,874	5,716	5,670	5,647	5,674	5,686	5,679	5,671	5,670	5,672	5,659	5,645	( 0.1%)
PL	6,718	6,718	7,513	7,512	7,513	7,552	7,584	7,610	7,625	7,650	7,674	7,691	7,716	0.3%
PS	6,356	6,356	6,718	6,759	6,807	6,887	6,939	7,002	7,041	7,077	7,093	7,106	7,130	0.6%
RECO	211	211	213	213	213	213	212	212	212	213	212	212	210	( 0.1%)
UGI	186	186	204	200	200	199	199	199	199	199	198	198	198	( 0.3%)
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	41,957	41,958	46,465	46,538	46,593	46,916	47,161	47,337	47,526	47,693	47,809	47,887	48,054	0.3%
FE-EAST	8,642	8,642	9,070	9,108	9,156	9,213	9,263	9,302	9,332	9,374	9,411	9,467	9,492	0.5%
PLGRP	6,894	6,894	7,706	7,702	7,710	7,742	7,775	7,800	7,815	7,840	7,860	7,879	7,906	0.3%

Notes:

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

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, 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 (2020/21).

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  
2031/32 - 2035/36**

	31/32	32/33	33/34	34/35	35/36	Annual Growth Rate (15 yr)
AE	1,612	1,615	1,615	1,612	1,615	0.3%
	0.4%	0.2%	0.0%	-0.2%	0.2%	
BGE	6,361	6,389	6,402	6,419	6,434	0.4%
	0.3%	0.4%	0.2%	0.3%	0.2%	
DPL	4,156	4,196	4,215	4,240	4,262	0.6%
	0.7%	1.0%	0.5%	0.6%	0.5%	
JCPL	3,963	3,995	4,013	4,022	4,037	0.7%
	0.7%	0.8%	0.5%	0.2%	0.4%	
METED	2,814	2,819	2,824	2,830	2,842	0.3%
	0.2%	0.2%	0.2%	0.2%	0.4%	
PECO	6,672	6,660	6,643	6,628	6,613	( 0.1%)
	-0.1%	-0.2%	-0.3%	-0.2%	-0.2%	
PENLC	2,901	2,913	2,918	2,921	2,928	0.2%
	0.2%	0.4%	0.2%	0.1%	0.2%	
PEPCO	5,631	5,616	5,598	5,583	5,569	( 0.2%)
	-0.2%	-0.3%	-0.3%	-0.3%	-0.3%	
PL	7,734	7,744	7,746	7,754	7,758	0.2%
	0.2%	0.1%	0.0%	0.1%	0.1%	
PS	7,169	7,215	7,206	7,202	7,208	0.5%
	0.5%	0.6%	-0.1%	-0.1%	0.1%	
RECO	211	211	210	209	208	( 0.2%)
	0.5%	0.0%	-0.5%	-0.5%	-0.5%	
UGI	197	197	196	195	195	( 0.3%)
	-0.5%	0.0%	-0.5%	-0.5%	0.0%	
DIVERSITY - MID-ATLANTIC(-)	1,252	1,248	1,296	1,270	1,348	
PJM MID-ATLANTIC	48,169	48,322	48,290	48,345	48,321	0.3%
	0.2%	0.3%	-0.1%	0.1%	-0.0%	
FE-EAST	9,522	9,554	9,580	9,601	9,636	0.4%
	0.3%	0.3%	0.3%	0.2%	0.4%	
PLGRP	7,924	7,933	7,931	7,937	7,938	0.2%
	0.2%	0.1%	-0.0%	0.1%	0.0%	

Notes:

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

All forecast values represent unrestricted peaks, after reductions for distributed solar generation, 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 (2020/21).

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  
2020/21 - 2030/31**

	METERED 19/20	UNRESTRICTED 19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	Annual Growth Rate (10 yr)
AEP	20,538	20,538	22,301	22,408	22,443	22,525	22,521	22,575	22,579	22,630	22,626	22,584	22,570	0.1%
				0.5%	0.2%	0.4%	-0.0%	0.2%	0.0%	0.2%	-0.0%	-0.2%	-0.1%	
APS	8,190	8,190	8,896	8,910	8,937	8,972	8,992	9,005	9,014	9,029	9,043	9,053	9,058	0.2%
				0.2%	0.3%	0.4%	0.2%	0.1%	0.1%	0.2%	0.2%	0.1%	0.1%	
ATSI	9,624	9,624	10,918	10,985	10,977	10,982	10,963	10,952	10,932	10,946	10,888	10,875	10,856	( 0.1%)
				0.6%	-0.1%	0.0%	-0.2%	-0.1%	-0.2%	0.1%	-0.5%	-0.1%	-0.2%	
COMED	13,832	13,832	14,478	14,563	14,387	14,310	14,152	14,084	14,045	14,003	13,891	13,812	13,673	( 0.6%)
				0.6%	-1.2%	-0.5%	-1.1%	-0.5%	-0.3%	-0.3%	-0.8%	-0.6%	-1.0%	
DAYTON	2,719	2,719	2,964	2,974	2,977	2,984	2,978	2,981	2,982	2,984	2,984	2,982	2,976	0.0%
				0.3%	0.1%	0.2%	-0.2%	0.1%	0.0%	0.1%	0.0%	-0.1%	-0.2%	
DEOK	4,145	4,145	4,634	4,691	4,725	4,767	4,781	4,803	4,825	4,855	4,847	4,879	4,877	0.5%
				1.2%	0.7%	0.9%	0.3%	0.5%	0.5%	0.6%	-0.2%	0.7%	-0.0%	
DLCO	1,921	1,921	2,088	2,115	2,125	2,144	2,153	2,162	2,163	2,165	2,162	2,166	2,165	0.4%
				1.3%	0.5%	0.9%	0.4%	0.4%	0.0%	0.1%	-0.1%	0.2%	-0.0%	
EKPC	2,343	2,343	2,811	2,827	2,847	2,865	2,884	2,901	2,922	2,950	2,960	2,980	3,000	0.7%
				0.6%	0.7%	0.6%	0.7%	0.6%	0.7%	1.0%	0.3%	0.7%	0.7%	
OVEC	108	108	120	120	120	120	120	120	120	120	120	120	120	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	61,438	61,438	1,686 67,524	1,721 67,872	1,600 67,938	1,565 68,104	1,707 67,837	1,538 68,045	1,524 68,058	1,596 68,086	1,432 68,089	1,511 67,940	1,685 67,610	0.0%
				0.5%	0.1%	0.2%	-0.4%	0.3%	0.0%	0.0%	0.0%	-0.2%	-0.5%	
DOM	17,544	17,544	20,306	20,499	20,663	20,896	21,113	21,332	21,526	21,720	21,910	22,079	22,269	0.9%
				1.0%	0.8%	1.1%	1.0%	1.0%	0.9%	0.9%	0.9%	0.8%	0.9%	
DIVERSITY - TOTAL(-) PJM RTO	120,272	120,272	5,182 132,027	5,234 132,632	5,304 132,785	5,234 133,527	5,180 133,888	5,303 134,223	5,064 134,799	5,171 135,163	5,392 135,108	4,889 135,829	5,285 135,568	0.3%
				0.5%	0.1%	0.6%	0.3%	0.3%	0.4%	0.3%	-0.0%	0.5%	-0.2%	

**Notes:**

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

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

All average growth rates are calculated from the first year of the forecast (2020/21).

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  
2031/32 - 2035/36**

	31/32	32/33	33/34	34/35	35/36	Annual Growth Rate (15 yr)
AEP	22,580	22,578	22,521	22,476	22,380	0.0%
	0.0%	-0.0%	-0.3%	-0.2%	-0.4%	
APS	9,065	9,065	9,060	9,054	9,048	0.1%
	0.1%	0.0%	-0.1%	-0.1%	-0.1%	
ATSI	10,839	10,837	10,797	10,709	10,654	( 0.2%)
	-0.2%	-0.0%	-0.4%	-0.8%	-0.5%	
COMED	13,587	13,562	13,448	13,343	13,227	( 0.6%)
	-0.6%	-0.2%	-0.8%	-0.8%	-0.9%	
DAYTON	2,978	2,981	2,979	2,971	2,960	( 0.0%)
	0.1%	0.1%	-0.1%	-0.3%	-0.4%	
DEOK	4,887	4,913	4,913	4,911	4,917	0.4%
	0.2%	0.5%	0.0%	-0.0%	0.1%	
DLCO	2,163	2,158	2,151	2,141	2,134	0.1%
	-0.1%	-0.2%	-0.3%	-0.5%	-0.3%	
EKPC	3,019	3,049	3,069	3,080	3,094	0.6%
	0.6%	1.0%	0.7%	0.4%	0.5%	
OVEC	120	120	120	120	120	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
DIVERSITY - WESTERN(-) PJM WESTERN	1,511 67,727	1,541 67,722	1,531 67,527	1,402 67,403	1,485 67,049	( 0.0%)
	0.2%	-0.0%	-0.3%	-0.2%	-0.5%	
DOM	22,459	22,641	22,788	22,948	23,097	0.9%
	0.9%	0.8%	0.6%	0.7%	0.6%	
DIVERSITY - TOTAL(-) PJM RTO	5,319 135,799	5,155 136,319	5,194 136,238	5,064 136,304	4,841 136,459	0.2%
	0.2%	0.4%	-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 (2020/21).

Winter season indicates peak from December, January, February.

**Table B-3**

**SPRING PEAK LOAD (MW) FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AE	1,546	1,553	1,581	1,594	1,600	1,611	1,626	1,642	1,663	1,676	1,687	1,701	1,714	1,726	1,741	1,744
BGE	5,173	5,220	5,297	5,311	5,307	5,288	5,333	5,343	5,333	5,308	5,289	5,311	5,317	5,328	5,333	5,336
DPL	3,111	3,133	3,154	3,156	3,186	3,212	3,226	3,229	3,246	3,244	3,252	3,266	3,276	3,283	3,295	3,301
JCPL	3,864	3,902	3,949	3,984	3,998	4,017	4,049	4,099	4,149	4,188	4,205	4,237	4,280	4,318	4,352	4,372
METED	2,437	2,469	2,490	2,509	2,517	2,533	2,545	2,571	2,590	2,604	2,601	2,618	2,643	2,655	2,663	2,670
PECO	6,236	6,322	6,413	6,447	6,460	6,452	6,454	6,532	6,585	6,608	6,590	6,572	6,659	6,714	6,760	6,749
PENLC	2,555	2,579	2,595	2,595	2,604	2,612	2,627	2,642	2,649	2,655	2,651	2,665	2,679	2,690	2,695	2,693
PEPCO	4,737	4,698	4,699	4,689	4,668	4,625	4,602	4,558	4,541	4,499	4,465	4,446	4,421	4,374	4,331	4,266
PL	6,371	6,399	6,439	6,466	6,491	6,515	6,548	6,562	6,605	6,624	6,649	6,667	6,684	6,712	6,742	6,727
PS	7,080	7,213	7,320	7,390	7,409	7,418	7,472	7,589	7,675	7,739	7,786	7,816	7,908	7,970	8,024	8,066
RECO	276	279	279	280	280	278	281	283	285	286	286	286	288	289	289	289
UGI	172	171	171	170	171	172	172	171	171	171	171	171	171	171	171	171
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	2,088 41,470	1,901 42,037	1,865 42,522	1,918 42,673	1,951 42,740	2,099 42,634	2,276 42,659	2,057 43,164	2,103 43,389	2,225 43,377	2,349 43,283	2,428 43,328	2,367 43,673	2,398 43,832	2,434 43,962	2,539 43,845
FE-EAST PLGRP	8,385 6,540	8,492 6,568	8,563 6,607	8,621 6,633	8,673 6,659	8,712 6,683	8,749 6,716	8,819 6,725	8,898 6,764	8,973 6,792	8,997 6,809	9,005 6,835	9,155 6,853	9,226 6,874	9,302 6,904	9,296 6,892

**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  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AEP	19,101	19,296	19,330	19,367	19,339	19,387	19,424	19,494	19,563	19,582	19,445	19,554	19,633	19,585	19,589	19,484
APS	7,648	7,695	7,718	7,736	7,755	7,782	7,805	7,816	7,826	7,803	7,801	7,858	7,858	7,834	7,851	7,790
ATSI	9,780	9,933	10,000	10,028	10,018	10,012	10,011	10,088	10,113	10,129	10,107	10,077	10,144	10,125	10,112	10,069
COMED	14,867	14,851	14,788	14,764	14,550	14,390	14,320	14,383	14,346	14,286	14,132	14,003	14,003	13,943	13,888	13,736
DAYTON	2,643	2,674	2,693	2,696	2,698	2,702	2,711	2,730	2,743	2,749	2,747	2,747	2,783	2,785	2,783	2,764
DEOK	4,189	4,277	4,344	4,383	4,406	4,419	4,437	4,505	4,541	4,563	4,556	4,572	4,638	4,653	4,676	4,649
DLCO	2,145	2,189	2,233	2,258	2,262	2,269	2,270	2,301	2,315	2,324	2,321	2,318	2,335	2,342	2,344	2,343
EKPC	2,051	2,059	2,070	2,077	2,097	2,111	2,124	2,131	2,141	2,152	2,163	2,177	2,189	2,196	2,204	2,214
OVEC	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
DIVERSITY - WESTERN(-)	2,823	2,654	2,543	2,565	2,564	2,615	2,510	2,305	2,347	2,479	2,507	2,523	2,341	2,377	2,510	2,657
PJM WESTERN	59,721	60,440	60,753	60,864	60,681	60,577	60,712	61,263	61,361	61,229	60,885	60,903	61,362	61,206	61,057	60,512
DOM	16,373	16,468	16,632	16,764	16,919	16,994	17,100	17,094	17,197	17,252	17,324	17,468	17,584	17,666	17,773	17,843
DIVERSITY - TOTAL(-)	7,097	6,523	6,328	6,359	6,856	7,390	7,248	6,741	6,662	6,614	7,277	8,085	7,116	7,152	7,422	7,281
PJM RTO	115,378	116,977	117,987	118,425	117,999	117,529	118,009	119,142	119,735	119,948	119,071	118,565	120,211	120,327	120,314	120,115

**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**  
**2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AE	1,880	1,892	1,910	1,922	1,936	1,950	1,964	1,982	2,001	2,020	2,036	2,052	2,069	2,085	2,095	2,107
BGE	5,447	5,469	5,529	5,584	5,618	5,615	5,622	5,652	5,657	5,684	5,705	5,700	5,709	5,710	5,716	5,799
DPL	3,263	3,274	3,297	3,319	3,343	3,359	3,376	3,387	3,401	3,413	3,429	3,447	3,463	3,474	3,486	3,511
JCPL	4,403	4,417	4,436	4,481	4,519	4,565	4,582	4,602	4,646	4,704	4,755	4,797	4,816	4,853	4,882	4,954
METED	2,549	2,567	2,580	2,612	2,637	2,657	2,672	2,681	2,709	2,738	2,763	2,781	2,796	2,806	2,828	2,864
PECO	6,894	6,924	6,970	7,020	7,066	7,095	7,123	7,141	7,182	7,226	7,268	7,304	7,333	7,355	7,387	7,437
PENLC	2,546	2,561	2,578	2,587	2,600	2,615	2,629	2,649	2,654	2,691	2,711	2,731	2,752	2,757	2,753	2,817
PEPCO	4,932	4,861	4,857	4,845	4,810	4,762	4,707	4,662	4,605	4,546	4,513	4,479	4,441	4,402	4,366	4,351
PL	6,216	6,258	6,293	6,308	6,382	6,424	6,445	6,486	6,484	6,519	6,562	6,645	6,680	6,692	6,716	6,783
PS	7,966	8,021	8,081	8,178	8,271	8,336	8,385	8,419	8,498	8,592	8,695	8,763	8,799	8,855	8,910	9,015
RECO	304	303	302	303	305	306	307	306	307	309	312	313	313	313	314	316
UGI	165	164	165	165	165	166	166	166	167	167	168	169	169	169	169	170
DIVERSITY - MID-ATLANTIC(-)	956	1,025	1,218	983	1,033	1,030	1,111	1,282	1,255	1,169	1,117	1,287	1,531	1,524	1,527	1,452
PJM MID-ATLANTIC	45,609	45,686	45,780	46,341	46,619	46,820	46,867	46,851	47,056	47,440	47,800	47,894	47,809	47,947	48,095	48,672
FE-EAST	9,284	9,296	9,310	9,402	9,517	9,592	9,648	9,647	9,687	9,840	9,958	10,038	10,088	10,083	10,126	10,337
PLGRP	6,358	6,399	6,439	6,465	6,541	6,583	6,607	6,648	6,644	6,676	6,720	6,791	6,830	6,847	6,867	6,943

**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**  
**2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AEP	19,814	19,932	19,963	20,022	20,182	20,265	20,282	20,260	20,255	20,351	20,523	20,552	20,601	20,548	20,492	20,727
APS	7,586	7,614	7,639	7,673	7,717	7,754	7,764	7,762	7,769	7,788	7,813	7,834	7,845	7,848	7,838	7,874
ATSI	10,840	10,921	10,969	11,004	11,043	11,057	11,045	11,075	11,065	11,127	11,178	11,143	11,147	11,141	11,089	11,203
COMED	17,171	17,029	16,775	16,581	16,811	16,746	16,620	16,376	16,275	16,251	16,407	16,268	16,161	16,034	15,914	16,055
DAYTON	2,935	2,946	2,955	2,966	2,987	2,999	3,004	3,010	2,991	3,039	3,061	3,069	3,082	3,087	3,070	3,117
DEOK	4,768	4,811	4,844	4,862	4,940	4,971	5,005	5,009	5,004	5,052	5,121	5,154	5,169	5,173	5,149	5,239
DLCO	2,393	2,410	2,430	2,443	2,477	2,496	2,507	2,499	2,493	2,518	2,541	2,555	2,555	2,540	2,529	2,562
EKPC	1,944	1,962	1,966	1,977	1,992	2,018	2,030	2,032	2,041	2,052	2,066	2,083	2,094	2,102	2,111	2,123
OVEC	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
DIVERSITY - WESTERN(-)	2,015	1,914	1,717	2,112	2,032	2,005	1,928	1,808	2,061	2,095	1,936	1,808	1,973	1,999	2,021	1,946
PJM WESTERN	65,521	65,796	65,909	65,501	66,202	66,386	66,414	66,300	65,917	66,168	66,859	66,935	66,766	66,559	66,256	67,039
DOM	16,649	16,715	16,873	17,003	17,143	17,237	17,307	17,436	17,565	17,595	17,721	17,866	17,977	18,088	18,192	18,296
DIVERSITY - TOTAL(-)	5,923	6,035	6,067	5,968	5,988	6,155	6,002	6,171	7,800	6,217	6,454	6,371	6,487	6,626	8,370	6,966
PJM RTO	124,827	125,101	125,430	125,972	127,041	127,323	127,625	127,506	126,054	128,250	128,979	129,419	129,569	129,491	127,721	130,439

**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 2021	1,538	6,032	3,876	3,658	2,701	6,682	2,842	5,716	7,513	6,718	213	204	1,228	46,465
Feb 2021	1,431	5,590	3,636	3,397	2,590	6,142	2,746	5,279	7,105	6,318	198	193	1,455	43,170
Mar 2021	1,240	5,173	3,111	3,018	2,437	5,671	2,555	4,737	6,371	5,767	186	172	82	40,356
Apr 2021	1,100	4,268	2,450	2,659	2,101	5,003	2,234	3,812	5,262	5,220	182	142	95	34,338
May 2021	1,546	5,075	2,848	3,864	2,356	6,236	2,226	4,531	5,455	7,080	276	143	166	41,470
Jun 2021	2,172	6,197	3,652	5,407	2,891	7,996	2,752	5,547	6,730	9,323	381	179	1,541	51,686
Jul 2021	2,470	6,582	3,895	5,876	3,060	8,389	2,894	5,924	7,204	9,871	396	195	986	55,770
Aug 2021	2,353	6,400	3,781	5,455	2,960	7,994	2,759	5,762	6,871	9,382	371	180	1,510	52,758
Sep 2021	1,880	5,447	3,263	4,403	2,549	6,894	2,546	4,932	6,216	7,966	304	165	956	45,609
Oct 2021	1,328	4,110	2,478	3,101	2,053	5,134	2,255	3,848	5,277	5,885	208	142	1,690	34,129
Nov 2021	1,217	4,435	2,704	3,027	2,202	5,284	2,422	4,043	5,950	5,709	188	161	1,000	36,342
Dec 2021	1,481	5,437	3,419	3,578	2,556	6,204	2,715	5,018	6,805	6,523	211	188	1,537	42,598
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2022	1,541	6,056	3,891	3,683	2,711	6,681	2,857	5,670	7,512	6,759	213	200	1,236	46,538
Feb 2022	1,432	5,601	3,638	3,428	2,594	6,151	2,757	5,223	7,089	6,351	198	188	1,423	43,227
Mar 2022	1,240	5,220	3,133	3,055	2,469	5,645	2,579	4,698	6,399	5,831	184	171	373	40,251
Apr 2022	1,103	4,303	2,468	2,686	2,132	5,018	2,267	3,755	5,313	5,250	180	142	169	34,448
May 2022	1,553	5,145	2,880	3,902	2,441	6,322	2,315	4,499	5,681	7,213	279	145	338	42,037
Jun 2022	2,189	6,240	3,670	5,434	2,918	8,093	2,791	5,435	6,791	9,402	380	178	1,452	52,069
Jul 2022	2,492	6,606	3,906	5,891	3,085	8,451	2,924	5,814	7,269	9,923	395	195	912	56,039
Aug 2022	2,377	6,470	3,811	5,495	2,991	8,087	2,804	5,694	6,939	9,477	370	180	1,383	53,312
Sep 2022	1,892	5,469	3,274	4,417	2,567	6,924	2,561	4,861	6,258	8,021	303	164	1,025	45,686
Oct 2022	1,334	4,153	2,492	3,101	2,068	5,160	2,265	3,804	5,304	5,943	208	143	1,653	34,322
Nov 2022	1,223	4,485	2,720	3,067	2,223	5,294	2,429	4,040	5,991	5,781	189	161	1,064	36,539
Dec 2022	1,478	5,453	3,431	3,608	2,564	6,204	2,728	4,979	6,781	6,556	211	187	1,627	42,553
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2023	1,541	6,075	3,910	3,719	2,717	6,684	2,862	5,647	7,513	6,807	213	200	1,295	46,593
Feb 2023	1,431	5,622	3,649	3,456	2,600	6,154	2,761	5,207	7,078	6,392	198	187	1,542	43,193
Mar 2023	1,262	5,297	3,154	3,100	2,490	5,678	2,595	4,699	6,439	5,913	184	171	515	40,467
Apr 2023	1,123	4,396	2,472	2,730	2,143	5,042	2,281	3,724	5,325	5,329	179	143	247	34,640
May 2023	1,581	5,273	2,904	3,949	2,481	6,413	2,356	4,497	5,785	7,320	279	149	465	42,522
Jun 2023	2,198	6,273	3,675	5,455	2,937	8,133	2,816	5,405	6,872	9,474	380	178	1,306	52,490
Jul 2023	2,503	6,652	3,927	5,920	3,106	8,503	2,943	5,793	7,321	9,985	394	195	931	56,311
Aug 2023	2,392	6,535	3,833	5,527	3,018	8,134	2,826	5,669	7,021	9,550	370	181	1,471	53,585
Sep 2023	1,910	5,529	3,297	4,436	2,580	6,970	2,578	4,857	6,293	8,081	302	165	1,218	45,780
Oct 2023	1,346	4,228	2,529	3,184	2,084	5,249	2,299	3,855	5,343	6,071	210	143	1,772	34,769
Nov 2023	1,236	4,539	2,742	3,119	2,242	5,315	2,471	4,067	6,042	5,861	189	162	1,110	36,875
Dec 2023	1,490	5,468	3,450	3,638	2,574	6,209	2,716	4,965	6,832	6,608	211	187	1,504	42,844

**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.

**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 2021	22,301	8,896	10,918	14,478	2,964	4,634	2,088	2,811	120	1,686	67,524	20,306	5,182	132,027
Feb 2021	21,464	8,286	10,488	13,821	2,814	4,341	1,997	2,486	120	2,066	63,751	18,337	4,393	124,386
Mar 2021	19,101	7,648	9,527	12,402	2,577	3,836	1,835	2,051	120	88	59,009	16,373	530	115,378
Apr 2021	16,626	6,502	8,638	11,639	2,297	3,514	1,754	1,595	95	166	52,494	13,547	1,119	99,521
May 2021	18,022	6,854	9,780	14,867	2,643	4,189	2,145	1,619	90	488	59,721	15,600	3,841	113,604
Jun 2021	21,616	8,493	12,089	19,483	3,237	5,207	2,661	2,042	90	2,664	72,254	19,451	6,333	141,263
Jul 2021	22,609	8,859	12,525	20,421	3,415	5,390	2,768	2,130	90	2,248	75,959	20,150	5,889	149,224
Aug 2021	22,175	8,704	12,087	19,843	3,349	5,349	2,710	2,113	90	2,607	73,813	19,866	6,724	143,830
Sep 2021	19,814	7,586	10,840	17,171	2,935	4,768	2,393	1,889	85	1,960	65,521	16,649	5,868	124,827
Oct 2021	16,188	6,352	8,250	12,264	2,287	3,517	1,712	1,613	85	2,156	50,112	13,497	5,757	95,827
Nov 2021	17,852	7,059	8,764	12,357	2,428	3,654	1,736	1,944	85	1,310	54,569	14,775	3,393	104,603
Dec 2021	20,602	8,023	10,665	14,079	2,738	4,268	2,032	2,452	100	1,802	63,157	17,795	4,795	122,094
Jan 2022	22,408	8,910	10,985	14,563	2,974	4,691	2,115	2,827	120	1,721	67,872	20,499	5,234	132,632
Feb 2022	21,338	8,293	10,543	13,884	2,800	4,388	2,022	2,492	120	2,058	63,822	18,512	4,247	124,795
Mar 2022	19,296	7,695	9,404	12,349	2,575	3,886	1,858	2,059	120	151	59,091	16,468	320	116,014
Apr 2022	16,801	6,573	8,540	11,509	2,294	3,550	1,769	1,600	95	232	52,499	13,550	740	100,158
May 2022	18,416	6,997	9,933	14,851	2,674	4,277	2,189	1,637	90	624	60,440	15,771	2,233	116,977
Jun 2022	21,863	8,535	12,227	19,480	3,265	5,271	2,692	2,058	90	2,882	72,599	19,581	6,516	142,067
Jul 2022	22,776	8,907	12,622	20,304	3,430	5,440	2,796	2,145	90	2,216	76,294	20,248	5,743	149,966
Aug 2022	22,465	8,764	12,230	19,899	3,387	5,421	2,744	2,137	90	2,608	74,529	20,018	6,474	145,376
Sep 2022	19,932	7,614	10,921	17,029	2,946	4,811	2,410	1,897	85	1,849	65,796	16,715	5,970	125,101
Oct 2022	16,378	6,424	8,330	12,147	2,298	3,552	1,727	1,635	85	2,055	50,521	13,554	5,583	96,522
Nov 2022	18,001	7,114	8,828	12,276	2,444	3,709	1,759	1,962	85	1,304	54,874	14,955	3,554	105,182
Dec 2022	20,599	8,074	10,701	13,937	2,750	4,303	2,045	2,461	100	1,738	63,232	17,905	4,970	122,085
Jan 2023	22,443	8,937	10,977	14,387	2,977	4,725	2,125	2,847	120	1,600	67,938	20,663	5,304	132,785
Feb 2023	21,288	8,326	10,567	13,746	2,805	4,425	2,032	2,510	120	1,950	63,869	18,658	4,275	124,937
Mar 2023	19,330	7,718	9,432	12,310	2,581	3,926	1,896	2,070	120	133	59,250	16,632	337	116,660
Apr 2023	16,775	6,561	8,560	11,511	2,303	3,579	1,802	1,611	95	307	52,490	13,658	787	100,555
May 2023	18,500	7,056	10,000	14,788	2,693	4,344	2,233	1,663	90	614	60,753	15,945	2,312	117,987
Jun 2023	21,970	8,588	12,273	19,414	3,280	5,321	2,730	2,078	90	2,776	72,968	19,822	6,446	142,916
Jul 2023	22,887	8,969	12,673	20,179	3,445	5,494	2,832	2,166	90	2,219	76,516	20,491	5,613	150,855
Aug 2023	22,580	8,825	12,282	19,878	3,405	5,470	2,790	2,159	90	2,628	74,851	20,277	6,908	145,904
Sep 2023	19,963	7,639	10,969	16,775	2,955	4,844	2,430	1,884	85	1,635	65,909	16,873	5,985	125,430
Oct 2023	16,423	6,507	8,377	12,128	2,311	3,599	1,764	1,637	85	2,002	50,829	13,853	5,991	97,234
Nov 2023	18,069	7,193	8,868	12,240	2,451	3,756	1,784	1,966	85	1,215	55,197	15,158	3,560	105,995
Dec 2023	20,618	8,113	10,662	13,782	2,749	4,320	2,061	2,472	100	1,635	63,242	18,020	4,523	122,722

**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.

**Table B-6**

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

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2021	9,070	7,706
Feb 2021	8,580	7,288
Mar 2021	8,011	6,540
Apr 2021	6,988	5,398
May 2021	8,385	5,588
Jun 2021	10,907	6,898
Jul 2021	11,680	7,397
Aug 2021	10,990	7,038
Sep 2021	9,284	6,358
Oct 2021	7,049	5,404
Nov 2021	7,528	6,081
Dec 2021	8,728	6,973

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2022	9,108	7,702
Feb 2022	8,592	7,274
Mar 2022	7,995	6,568
Apr 2022	6,981	5,453
May 2022	8,492	5,821
Jun 2022	10,980	6,959
Jul 2022	11,752	7,462
Aug 2022	11,077	7,113
Sep 2022	9,296	6,399
Oct 2022	7,087	5,429
Nov 2022	7,578	6,129
Dec 2022	8,757	6,965

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2023	9,156	7,710
Feb 2023	8,623	7,263
Mar 2023	8,046	6,607
Apr 2023	7,022	5,467
May 2023	8,563	5,929
Jun 2023	11,035	7,039
Jul 2023	11,815	7,515
Aug 2023	11,134	7,185
Sep 2023	9,310	6,439
Oct 2023	7,206	5,475
Nov 2023	7,666	6,191
Dec 2023	8,806	7,010

**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.

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)**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
<b>AE</b>																
CAPACITY PERFORMANCE	61	61	61	62	62	62	62	63	63	63	64	64	64	65	65	65
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	62	62	62	63	63	63	63	64	64	64	65	65	65	66	66	66
<b>BGE</b>																
CAPACITY PERFORMANCE	147	148	149	149	150	150	149	149	149	149	149	148	149	148	149	150
SUMMER PERIOD	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
PRD	240	288	290	291	292	292	291	291	291	291	290	289	290	289	290	291
TOTAL LOAD MANAGEMENT	425	475	478	479	481	481	479	479	479	479	478	476	478	476	478	480
<b>DPL</b>																
CAPACITY PERFORMANCE	143	143	144	144	145	145	145	146	146	145	145	145	144	144	144	144
SUMMER PERIOD	54	55	55	55	55	55	56	56	56	56	56	55	55	55	55	55
PRD	75	66	66	67	67	67	67	67	67	67	67	67	67	66	67	68
TOTAL LOAD MANAGEMENT	272	264	265	266	267	267	268	269	269	268	268	267	266	265	266	267
<b>JCPL</b>																
CAPACITY PERFORMANCE	123	123	124	124	125	126	126	127	128	129	130	131	131	132	132	132
SUMMER PERIOD	4	4	4	4	4	4	4	4	4	4	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	127	127	128	128	129	130	130	131	132	133	135	136	136	137	137	137
<b>METED</b>																
CAPACITY PERFORMANCE	252	254	256	257	259	260	262	263	264	266	268	269	270	271	272	273
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	253	255	257	258	260	261	263	264	265	267	269	270	271	272	273	274

**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 Year 2020/21 and actual cleared quantities in the 2021/22 RPM Base Residual Auction

**Table B-7 (Continued)**

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

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
<b>PECO</b>																
CAPACITY PERFORMANCE	324	326	328	330	331	332	332	333	334	335	335	335	335	335	335	335
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	324	326	328	330	331	332	332	333	334	335	335	335	335	335	335	335
<b>PENLC</b>																
CAPACITY PERFORMANCE	280	282	284	286	289	292	294	297	300	302	306	309	313	315	318	321
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	280	282	284	286	289	292	294	297	300	302	306	309	313	315	318	321
<b>PEPCO</b>																
CAPACITY PERFORMANCE	146	144	143	143	141	139	137	135	134	132	130	128	126	125	123	121
SUMMER PERIOD	83	81	81	81	80	79	77	76	76	74	73	72	71	70	70	70
PRD	195	170	169	169	167	165	162	160	158	156	153	151	149	147	146	145
TOTAL LOAD MANAGEMENT	424	395	393	393	388	383	376	371	368	362	356	351	346	342	339	336
<b>PL</b>																
CAPACITY PERFORMANCE	525	530	533	536	541	545	549	552	556	560	565	569	574	576	579	582
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	528	533	536	539	544	548	552	555	559	563	568	572	577	579	582	585
<b>PS</b>																
CAPACITY PERFORMANCE	284	285	287	289	290	292	293	295	296	298	299	300	302	303	304	305
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	284	285	287	289	290	292	293	295	296	298	299	300	302	303	304	305

**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 Year 2020/21 and actual cleared quantities in the 2021/22 RPM Base Residual Auction

**Table B-7 (Continued)**

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

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
RECO																
CAPACITY PERFORMANCE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	2,288	2,299	2,312	2,323	2,336	2,346	2,352	2,363	2,373	2,382	2,394	2,401	2,411	2,417	2,424	2,431
SUMMER PERIOD	184	184	184	184	183	182	181	180	180	178	178	176	175	174	174	174
PRD	510	524	525	527	526	524	520	518	516	514	510	507	506	502	503	504
TOTAL LOAD MANAGEMENT	2,982	3,007	3,021	3,034	3,045	3,052	3,053	3,061	3,069	3,074	3,082	3,084	3,092	3,093	3,101	3,109

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 Year 2020/21 and actual cleared quantities in the 2021/22 RPM Base Residual Auction

**Table B-7 (Continued)**

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

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
<b>AEP</b>																
CAPACITY PERFORMANCE	1,244	1,254	1,260	1,265	1,268	1,273	1,276	1,281	1,285	1,289	1,292	1,296	1,300	1,301	1,303	1,305
SUMMER PERIOD	11	11	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	1,255	1,265	1,271	1,276	1,279	1,284	1,287	1,292	1,296	1,300	1,303	1,307	1,311	1,312	1,314	1,316
<b>APS</b>																
CAPACITY PERFORMANCE	736	740	745	749	752	754	755	756	757	758	759	762	763	764	766	768
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	737	741	746	750	753	755	756	757	758	759	760	763	764	765	767	769
<b>ATSI</b>																
CAPACITY PERFORMANCE	893	900	903	905	906	908	909	911	912	914	915	916	917	916	914	912
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	893	900	903	905	906	908	909	911	912	914	915	916	917	916	914	912
<b>COMED</b>																
CAPACITY PERFORMANCE	1,351	1,343	1,335	1,327	1,319	1,315	1,308	1,303	1,298	1,292	1,285	1,281	1,276	1,270	1,263	1,256
SUMMER PERIOD	102	101	101	100	100	99	99	98	98	97	97	97	96	96	95	94
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	1,453	1,444	1,436	1,427	1,419	1,414	1,407	1,401	1,396	1,389	1,382	1,378	1,372	1,366	1,358	1,350
<b>DAYTON</b>																
CAPACITY PERFORMANCE	189	190	191	191	192	193	193	194	195	196	196	197	198	198	199	200
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	189	190	191	191	192	193	193	194	195	196	196	197	198	198	199	200

**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 Year 2020/21 and actual cleared quantities in the 2021/22 RPM Base Residual Auction



**Table B-7 (Continued)**

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

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
DEOK																
CAPACITY PERFORMANCE	160	161	163	164	165	166	167	168	169	170	170	171	172	172	173	174
SUMMER PERIOD	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	171	172	174	175	176	177	178	179	180	181	181	183	184	184	185	186
DLCO																
CAPACITY PERFORMANCE	102	103	105	106	106	107	107	108	108	109	109	110	110	110	110	110
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	104	105	107	108	108	109	109	110	110	111	111	112	112	112	112	112
EKPC																
CAPACITY PERFORMANCE	149	150	151	153	154	155	156	156	157	159	159	160	161	161	162	163
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	149	150	151	153	154	155	156	156	157	159	159	160	161	161	162	163
PJM WESTERN																
CAPACITY PERFORMANCE	4,824	4,841	4,853	4,860	4,862	4,871	4,871	4,877	4,881	4,887	4,885	4,893	4,897	4,892	4,890	4,888
SUMMER PERIOD	127	126	126	125	125	124	124	123	123	122	122	123	122	122	121	120
PRD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	4,951	4,967	4,979	4,985	4,987	4,995	4,995	5,000	5,004	5,009	5,007	5,016	5,019	5,014	5,011	5,008

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 Year 2020/21 and actual cleared quantities in the 2021/22 RPM Base Residual Auction

**Table B-7 (Continued)**

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

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
DOM																
CAPACITY PERFORMANCE	844	848	859	867	876	878	881	884	886	888	891	895	900	904	908	912
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	846	850	861	869	878	880	883	886	888	890	893	897	902	906	910	914
PJM RTO																
CAPACITY PERFORMANCE	7,956	7,988	8,024	8,050	8,074	8,095	8,104	8,124	8,140	8,157	8,170	8,189	8,208	8,213	8,222	8,231
SUMMER PERIOD	313	312	312	311	310	308	307	305	305	302	302	301	299	298	297	296
PRD	510	524	525	527	526	524	520	518	516	514	510	507	506	502	503	504
TOTAL LOAD MANAGEMENT	8,779	8,824	8,861	8,888	8,910	8,927	8,931	8,947	8,961	8,973	8,982	8,997	9,013	9,013	9,022	9,031

**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 Year 2020/21 and actual cleared quantities in the 2021/22 RPM Base Residual Auction

**Table B-8a**

**DISTRIBUTED SOLAR ADJUSTMENTS TO JULY PEAK LOAD (MW) FOR  
EACH PJM ZONE AND RTO  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AE	225	218	229	243	259	268	271	275	276	281	284	284	293	302	311	306
BGE	168	216	261	299	347	405	462	514	566	613	680	782	851	857	897	905
DPL	133	149	165	184	200	224	241	265	292	332	362	416	453	490	515	540
JCPL	288	321	351	378	400	409	418	437	439	458	460	465	491	498	509	524
METED	27	31	31	40	39	40	42	41	51	53	52	52	59	60	58	64
PECO	56	65	70	74	77	83	85	86	91	105	104	109	118	125	132	141
PENLC	6	14	15	20	19	20	22	27	26	35	36	34	34	39	44	45
PEPCO	203	249	280	314	364	411	470	523	570	617	680	730	782	800	824	859
PL	72	80	97	103	106	101	103	118	127	134	135	131	136	151	162	162
PS	435	497	584	594	625	648	673	687	695	699	726	747	769	778	796	821
RECO	14	17	18	20	21	22	22	23	23	23	22	22	22	23	23	25
UGI	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
AEP	76	109	139	141	180	202	223	244	266	291	311	335	355	391	442	488
APS	98	117	140	162	175	187	205	230	261	288	311	316	346	370	380	384
ATSI	57	70	65	86	92	104	108	94	113	117	120	128	132	145	177	210
COMED	162	230	303	356	406	435	504	546	597	660	718	755	793	843	913	972
DAYTON	26	28	31	35	36	39	40	40	41	42	43	47	45	55	66	78
DEOK	15	25	25	35	36	39	43	43	44	47	50	47	49	63	80	97
DLCO	12	15	16	20	22	24	24	22	28	30	32	34	36	31	37	38
EKPC	6	6	7	8	9	11	10	11	12	12	14	18	20	21	23	23
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	530	618	654	738	784	853	894	928	1,068	1,152	1,229	1,233	1,222	1,268	1,309	1,345
PJM RTO	2,331	2,590	2,938	3,176	3,461	3,915	4,382	4,639	5,044	5,462	5,828	6,396	6,654	7,031	7,506	8,040

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

**Table B-8b**

**PLUG IN ELECTRIC VEHICLE ADJUSTMENT TO SUMMER PEAK LOAD (MW) FOR EACH PJM ZONE AND RTO 2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AE	8	11	15	18	22	25	28	30	34	37	39	40	41	43	43	44
BGE	17	24	32	40	48	55	62	68	76	83	87	91	94	97	99	101
DPL	7	10	13	17	20	23	26	28	31	34	36	38	39	40	41	42
JCPL	18	26	34	42	50	57	64	71	78	85	89	93	96	99	101	102
METED	4	6	8	10	12	14	16	18	20	22	23	24	25	25	26	26
PECO	12	18	23	29	35	40	45	50	56	61	64	67	69	71	73	74
PENLC	4	6	8	10	12	13	15	17	19	21	22	23	23	24	25	25
PEPCO	15	22	28	36	42	48	55	60	67	73	77	80	83	85	87	89
PL	10	15	20	25	29	34	38	42	47	51	54	56	58	60	61	62
PS	30	43	57	71	84	96	108	118	131	143	150	156	161	165	169	171
RECO	1	2	2	3	3	4	4	5	5	6	6	6	6	7	7	7
UGI	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2
AEP	23	34	45	56	68	77	88	97	108	118	124	129	134	138	141	144
APS	11	16	21	26	31	35	40	44	49	53	56	58	60	62	64	65
ATSI	15	22	29	36	44	50	56	62	69	76	80	83	86	89	91	93
COMED	41	59	78	99	118	135	154	169	188	206	217	226	235	242	248	252
DAYTON	4	6	7	9	11	13	15	16	18	19	20	21	22	23	23	24
DEOK	6	9	11	14	17	20	22	24	27	30	31	33	34	35	36	36
DLCO	4	6	8	10	11	13	15	16	18	20	21	22	23	23	24	24
EKPC	1	2	3	4	4	5	6	6	7	8	8	8	9	9	9	9
OVEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	28	40	52	65	78	89	100	110	122	134	140	146	152	156	159	162
PJM RTO	261	374	495	620	741	846	958	1,054	1,171	1,279	1,344	1,402	1,452	1,494	1,529	1,555

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  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BGE	-12	-16	-17	-16	-15	-16	-12	-15	-12	-13	-7	-12	-10	-6	-8	-7
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	32	56	76	87	88	91	89	92	92	94	93	86	94	86	86	89
ATSI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMED	-92	-129	-167	-192	-218	-219	-218	-218	-222	-222	-221	-220	-217	-213	-211	-210
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	-221	-114	11	119	217	204	184	174	152	150	152	151	151	153	126	107
PJM RTO	-268	-184	-82	28	92	59	37	13	-11	-34	-60	-87	-96	-115	-98	-192

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  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AE	2,395	2,406	2,426	2,440	2,445	2,457	2,470	2,486	2,504	2,519	2,534	2,549	2,557	2,562	2,564	2,575
BGE	6,383	6,411	6,460	6,489	6,500	6,505	6,494	6,493	6,495	6,491	6,469	6,401	6,381	6,418	6,429	6,448
DPL	3,723	3,731	3,751	3,771	3,786	3,790	3,800	3,807	3,806	3,798	3,789	3,773	3,765	3,750	3,752	3,756
JCPL	5,625	5,639	5,676	5,710	5,742	5,771	5,811	5,850	5,894	5,933	5,966	6,004	6,028	6,059	6,084	6,118
METED	2,962	2,989	3,011	3,031	3,053	3,073	3,092	3,108	3,122	3,143	3,164	3,183	3,193	3,208	3,216	3,229
PECO	8,092	8,152	8,205	8,247	8,271	8,286	8,307	8,321	8,335	8,350	8,349	8,351	8,349	8,353	8,340	8,336
PENLC	2,791	2,822	2,837	2,851	2,879	2,917	2,936	2,958	2,988	3,018	3,051	3,087	3,131	3,149	3,178	3,207
PEPCO	5,745	5,642	5,627	5,617	5,562	5,486	5,397	5,327	5,263	5,181	5,104	5,023	4,950	4,899	4,859	4,807
PL	6,986	7,054	7,111	7,154	7,213	7,274	7,325	7,376	7,420	7,478	7,544	7,608	7,666	7,708	7,736	7,791
PS	9,362	9,431	9,524	9,573	9,617	9,663	9,702	9,768	9,817	9,861	9,906	9,951	9,999	10,060	10,087	10,108
RECO	376	375	375	375	376	377	377	377	378	379	380	381	381	380	380	379
UGI	187	187	188	189	190	191	191	192	193	193	194	195	196	196	197	197
AEP	21,925	22,101	22,231	22,332	22,364	22,467	22,543	22,633	22,699	22,760	22,781	22,883	22,961	22,985	23,000	23,006
APS	8,573	8,641	8,712	8,758	8,774	8,800	8,818	8,844	8,859	8,873	8,886	8,921	8,923	8,940	8,946	8,976
ATSI	11,925	12,022	12,076	12,110	12,139	12,163	12,171	12,201	12,224	12,256	12,286	12,280	12,290	12,267	12,239	12,214
COMED	19,360	19,323	19,228	19,118	19,000	18,921	18,845	18,788	18,716	18,642	18,558	18,508	18,439	18,371	18,258	18,142
DAYTON	3,302	3,319	3,332	3,350	3,360	3,370	3,383	3,397	3,411	3,426	3,439	3,452	3,467	3,473	3,477	3,478
DEOK	5,222	5,275	5,332	5,378	5,418	5,446	5,472	5,501	5,534	5,558	5,580	5,608	5,633	5,643	5,648	5,656
DLCO	2,629	2,662	2,694	2,725	2,744	2,760	2,767	2,780	2,799	2,814	2,829	2,832	2,840	2,847	2,849	2,857
EKPC	2,065	2,082	2,104	2,124	2,138	2,152	2,166	2,178	2,189	2,203	2,215	2,225	2,235	2,246	2,256	2,265
OVEC	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
DOM	19,540	19,648	19,903	20,109	20,302	20,367	20,449	20,532	20,568	20,607	20,682	20,776	20,883	20,992	21,070	21,129
PJM RTO	149,223	149,967	150,858	151,506	151,928	152,291	152,571	152,972	153,269	153,538	153,761	154,046	154,322	154,561	154,620	154,729
PJM MID-ATLANTIC	54,627	54,839	55,191	55,447	55,634	55,790	55,902	56,063	56,215	56,344	56,450	56,506	56,596	56,742	56,822	56,951
EASTERN MID-ATLANTIC	29,573	29,734	29,957	30,116	30,237	30,344	30,467	30,609	30,734	30,840	30,924	31,009	31,079	31,164	31,207	31,272
SOUTHERN MID-ATLANTIC	12,128	12,053	12,087	12,106	12,062	11,991	11,891	11,820	11,758	11,672	11,573	11,424	11,331	11,317	11,288	11,255

**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.

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 2021  
SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Annual Growth Rate (10 yr)
<b>PJM - RELIABILITY FIRST</b>												
TOTAL INTERNAL DEMAND	127,619	128,236	128,848	129,270	129,488	129,771	129,956	130,261	130,511	130,726	130,862	0.3%
% GROWTH TOTAL		0.5%	0.5%	0.3%	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%	0.1%	
<b>CONTRACTUALLY INTERRUPTIBLE</b>												
DIRECT CONTROL	7,784	7,824	7,849	7,866	7,878	7,892	7,892	7,905	7,916	7,924	7,930	
TOTAL LOAD MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	7,784	7,824	7,849	7,866	7,878	7,892	7,892	7,905	7,916	7,924	7,930	
<b>NET INTERNAL DEMAND</b>												
% GROWTH NET	119,835	120,412	120,999	121,404	121,610	121,879	122,064	122,356	122,595	122,802	122,932	0.3%
% GROWTH NET		0.5%	0.5%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	
<b>PJM - SERC</b>												
TOTAL INTERNAL DEMAND	21,605	21,730	22,007	22,233	22,440	22,519	22,615	22,710	22,757	22,810	22,897	0.6%
% GROWTH TOTAL		0.6%	1.3%	1.0%	0.9%	0.4%	0.4%	0.4%	0.2%	0.2%	0.4%	
<b>CONTRACTUALLY INTERRUPTIBLE</b>												
DIRECT CONTROL	995	1,000	1,012	1,022	1,032	1,035	1,039	1,042	1,045	1,049	1,052	
TOTAL LOAD MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	995	1,000	1,012	1,022	1,032	1,035	1,039	1,042	1,045	1,049	1,052	
<b>NET INTERNAL DEMAND</b>												
% GROWTH NET	20,610	20,730	20,995	21,211	21,408	21,484	21,576	21,668	21,712	21,761	21,845	0.6%
% GROWTH NET		0.6%	1.3%	1.0%	0.9%	0.4%	0.4%	0.4%	0.2%	0.2%	0.4%	
<b>PJM RTO</b>												
TOTAL INTERNAL DEMAND	149,224	149,966	150,855	151,503	151,928	152,290	152,571	152,971	153,268	153,536	153,759	0.3%
% GROWTH TOTAL		0.5%	0.6%	0.4%	0.3%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	
<b>CONTRACTUALLY INTERRUPTIBLE</b>												
DIRECT CONTROL	8,779	8,824	8,861	8,888	8,910	8,927	8,931	8,947	8,961	8,973	8,982	
TOTAL LOAD MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	8,779	8,824	8,861	8,888	8,910	8,927	8,931	8,947	8,961	8,973	8,982	
<b>NET INTERNAL DEMAND</b>												
% GROWTH NET	140,445	141,142	141,994	142,615	143,018	143,363	143,640	144,024	144,307	144,563	144,777	0.3%
% GROWTH NET		0.5%	0.6%	0.4%	0.3%	0.2%	0.2%	0.3%	0.2%	0.2%	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 (2021).

**Table B-11 (Continued)**

**PJM CONTROL AREA - JANUARY 2021  
SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION  
2021 - 2036**

	2032	2033	2034	2035	2036	Annual Growth Rate (15 yr)
<b>PJM - RELIABILITY FIRST</b>						
TOTAL INTERNAL DEMAND	131,044	131,205	131,323	131,294	131,334	0.2%
% GROWTH TOTAL	0.1%	0.1%	0.1%	-0.0%	0.0%	
CONTRACTUALLY INTERRUPTIBLE	7,940	7,950	7,946	7,950	7,954	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	7,940	7,950	7,946	7,950	7,954	
NET INTERNAL DEMAND	123,104	123,255	123,377	123,344	123,380	0.2%
% GROWTH NET	0.1%	0.1%	0.1%	-0.0%	0.0%	
<b>PJM - SERC</b>						
TOTAL INTERNAL DEMAND	23,001	23,118	23,238	23,326	23,394	0.5%
% GROWTH TOTAL	0.5%	0.5%	0.5%	0.4%	0.3%	
CONTRACTUALLY INTERRUPTIBLE	1,057	1,063	1,067	1,072	1,077	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	1,057	1,063	1,067	1,072	1,077	
NET INTERNAL DEMAND	21,944	22,055	22,171	22,254	22,317	0.5%
% GROWTH NET	0.5%	0.5%	0.5%	0.4%	0.3%	
<b>PJM RTO</b>						
TOTAL INTERNAL DEMAND	154,045	154,323	154,561	154,620	154,728	0.2%
% GROWTH TOTAL	0.2%	0.2%	0.2%	0.0%	0.1%	
CONTRACTUALLY INTERRUPTIBLE	8,997	9,013	9,013	9,022	9,031	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	8,997	9,013	9,013	9,022	9,031	
NET INTERNAL DEMAND	145,048	145,310	145,548	145,598	145,697	0.2%
% GROWTH NET	0.2%	0.2%	0.2%	0.0%	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 (2021).



**Table B-12**

**PJM CONTROL AREA - JANUARY 2021  
WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION  
2020/21 - 2030/31**

	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	Annual Growth Rate (10 yr)
<b>PJM - RELIABILITY FIRST</b>												
TOTAL INTERNAL DEMAND	66,817	67,034	66,716	66,766	66,615	66,550	66,585	66,427	65,951	66,031	65,369	( 0.2%)
% GROWTH TOTAL		0.3%	-0.5%	0.1%	-0.2%	-0.1%	0.1%	-0.2%	-0.7%	0.1%	-1.0%	
<b>CONTRACTUALLY INTERRUPTIBLE</b>												
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	6,963	6,990	7,014	7,030	7,044	7,062	7,067	7,084	7,097	7,110	7,120	
<b>NET INTERNAL DEMAND</b>												
% GROWTH NET		0.3%	-0.6%	0.1%	-0.3%	-0.1%	0.1%	-0.3%	-0.8%	0.1%	-1.1%	( 0.3%)
<b>PJM - SERC</b>												
TOTAL INTERNAL DEMAND	65,210	65,598	66,069	66,761	67,273	67,673	68,214	68,736	69,157	69,798	70,199	0.7%
% GROWTH TOTAL		0.6%	0.7%	1.0%	0.8%	0.6%	0.8%	0.8%	0.6%	0.9%	0.6%	
<b>CONTRACTUALLY INTERRUPTIBLE</b>												
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	993	998	1,010	1,020	1,030	1,033	1,037	1,040	1,043	1,047	1,050	
<b>NET INTERNAL DEMAND</b>												
% GROWTH NET		0.6%	0.7%	1.0%	0.8%	0.6%	0.8%	0.8%	0.6%	0.9%	0.6%	0.7%
<b>PJM RTO</b>												
TOTAL INTERNAL DEMAND	132,027	132,632	132,785	133,527	133,888	134,223	134,799	135,163	135,108	135,829	135,568	0.3%
% GROWTH TOTAL		0.5%	0.1%	0.6%	0.3%	0.3%	0.4%	0.3%	-0.0%	0.5%	-0.2%	
<b>CONTRACTUALLY INTERRUPTIBLE</b>												
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	7,956	7,988	8,024	8,050	8,074	8,095	8,104	8,124	8,140	8,157	8,170	
<b>NET INTERNAL DEMAND</b>												
% GROWTH NET		0.5%	0.1%	0.6%	0.3%	0.2%	0.4%	0.3%	-0.1%	0.6%	-0.2%	0.3%

**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 (2021).

**Table B-12 (Continued)**

**PJM CONTROL AREA - JANUARY 2021  
WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION  
2020/21 - 2030/31**

	31/32	32/33	33/34	34/35	35/36	Annual Growth Rate (15 yr)
<b>PJM - RELIABILITY FIRST</b>						
TOTAL INTERNAL DEMAND	65,163	65,112	64,554	64,137	63,807	( 0.3%)
% GROWTH TOTAL	-0.3%	-0.1%	-0.9%	-0.6%	-0.5%	
CONTRACTUALLY INTERRUPTIBLE	7,134	7,147	7,148	7,152	7,156	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	7,134	7,147	7,148	7,152	7,156	
NET INTERNAL DEMAND	58,029	57,965	57,406	56,985	56,651	( 0.4%)
% GROWTH NET	-0.4%	-0.1%	-1.0%	-0.7%	-0.6%	
<b>PJM - SERC</b>						
TOTAL INTERNAL DEMAND	70,636	71,207	71,684	72,167	72,652	0.7%
% GROWTH TOTAL	0.6%	0.8%	0.7%	0.7%	0.7%	
CONTRACTUALLY INTERRUPTIBLE	1,055	1,061	1,065	1,070	1,075	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	1,055	1,061	1,065	1,070	1,075	
NET INTERNAL DEMAND	69,581	70,146	70,619	71,097	71,577	0.7%
% GROWTH NET	0.6%	0.8%	0.7%	0.7%	0.7%	
<b>PJM RTO</b>						
TOTAL INTERNAL DEMAND	135,799	136,319	136,238	136,304	136,459	0.2%
% GROWTH TOTAL	0.2%	0.4%	-0.1%	0.0%	0.1%	
CONTRACTUALLY INTERRUPTIBLE	8,189	8,208	8,213	8,222	8,231	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	8,189	8,208	8,213	8,222	8,231	
NET INTERNAL DEMAND	127,610	128,111	128,025	128,082	128,228	0.2%
% GROWTH NET	0.2%	0.4%	-0.1%	0.0%	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 (2021).

**Table C-1**

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

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	18,636	22,906	19,127	21,968
2022	18,702	22,921	19,122	21,950
2023	18,810	22,975	19,158	21,965
2024	18,855	23,130	19,268	22,070
2025	18,926	23,185	19,406	22,176
2026	18,918	23,173	19,427	22,238
2027	18,988	23,132	19,400	22,285
2028	18,952	23,084	19,399	22,348
2029	18,962	23,076	19,309	22,406
2030	18,909	23,029	19,368	22,445
2031	18,843	23,032	19,429	22,492
2032	18,906	23,032	19,412	22,535
2033	18,930	22,963	19,397	22,557
2034	18,843	22,932	19,337	22,564
2035	18,788	22,895	19,343	22,561
2036	18,757	22,895	19,485	22,576

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

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	20,337	23,995	20,872	23,773
2022	20,383	24,000	20,869	23,751
2023	20,491	24,108	20,939	23,758
2024	20,495	24,191	21,030	23,883
2025	20,560	24,229	21,089	23,958
2026	20,620	24,179	21,081	24,033
2027	20,655	24,124	21,086	24,077
2028	20,630	24,083	21,106	24,149
2029	20,643	24,032	21,106	24,224
2030	20,605	23,959	21,112	24,252
2031	20,592	23,913	21,089	24,286
2032	20,581	23,855	21,079	24,338
2033	20,618	23,778	21,064	24,359
2034	20,490	23,754	21,052	24,364
2035	20,459	23,774	21,041	24,370
2036	20,427	23,836	21,101	24,360

**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.

Summer season indicates peak from June, July, August.

Fall season indicates peak from September, October, November.

Winter season indicates peak from December, January, February.

**Table C-2**

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

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	11,414	13,229	11,332	13,195
2022	11,511	13,343	11,390	13,217
2023	11,589	13,440	11,463	13,227
2024	11,635	13,523	11,508	13,296
2025	11,642	13,622	11,621	13,342
2026	11,715	13,723	11,697	13,381
2027	11,784	13,812	11,772	13,404
2028	11,845	13,902	11,818	13,446
2029	11,888	13,993	11,861	13,482
2030	11,916	14,108	11,994	13,508
2031	11,942	14,213	12,116	13,561
2032	12,038	14,320	12,194	13,593
2033	12,097	14,421	12,244	13,614
2034	12,124	14,510	12,229	13,602
2035	12,147	14,602	12,262	13,639
2036	12,159	14,706	12,534	13,630

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

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	12,392	14,076	12,379	14,053
2022	12,443	14,195	12,491	14,066
2023	12,507	14,306	12,577	14,064
2024	12,515	14,399	12,553	14,117
2025	12,584	14,529	12,754	14,185
2026	12,624	14,609	12,841	14,224
2027	12,659	14,687	12,928	14,244
2028	12,672	14,799	13,028	14,285
2029	12,719	14,765	12,986	14,306
2030	12,748	15,017	13,119	14,341
2031	12,787	15,127	13,325	14,395
2032	12,822	15,193	13,420	14,426
2033	12,865	15,287	13,541	14,442
2034	12,871	15,377	13,606	14,427
2035	12,882	15,379	13,572	14,437
2036	12,906	15,584	13,792	14,449

**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.

Summer season indicates peak from June, July, August.

Fall season indicates peak from September, October, November.

Winter season indicates peak from December, January, February.

**Table C-3**

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

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	21,497	30,564	24,288	22,272
2022	21,854	30,736	24,388	22,375
2023	22,136	30,921	24,597	22,467
2024	22,303	31,087	24,787	22,650
2025	22,290	31,214	24,981	22,799
2026	22,169	31,317	25,137	22,909
2027	22,365	31,390	25,290	22,982
2028	22,824	31,440	25,423	23,102
2029	23,010	31,645	25,626	23,189
2030	23,148	31,764	25,822	23,237
2031	23,078	31,863	26,008	23,339
2032	23,053	31,986	26,225	23,409
2033	23,433	32,040	26,330	23,502
2034	23,622	32,107	26,473	23,486
2035	23,754	32,161	26,613	23,520
2036	23,656	32,236	26,857	23,531

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

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	24,783	31,906	27,760	23,677
2022	24,951	32,024	27,912	23,758
2023	25,265	32,188	28,124	23,893
2024	25,389	32,303	28,217	24,093
2025	25,528	32,392	28,487	24,215
2026	25,629	32,448	28,584	24,324
2027	25,773	32,485	28,728	24,384
2028	26,128	32,571	28,906	24,503
2029	26,325	32,673	29,031	24,617
2030	26,305	32,732	29,289	24,701
2031	26,445	32,744	29,590	24,737
2032	26,585	32,781	29,753	24,809
2033	26,838	32,811	29,797	24,876
2034	26,990	32,845	29,908	24,903
2035	27,111	32,913	29,896	24,934
2036	27,073	33,062	30,290	24,968

**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.

Summer season indicates peak from June, July, August.

Fall season indicates peak from September, October, November.

Winter season indicates peak from December, January, February.

**Table C-4**

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

**BASE (50/50) FORECAST**

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	9,783	12,424	10,333	11,717
2022	9,784	12,360	10,274	11,668
2023	9,863	12,407	10,327	11,663
2024	9,898	12,457	10,389	11,683
2025	9,892	12,430	10,400	11,788
2026	9,872	12,342	10,343	11,813
2027	9,866	12,231	10,291	11,864
2028	9,822	12,153	10,241	11,865
2029	9,789	12,094	10,193	11,848
2030	9,754	12,011	10,177	11,870
2031	9,713	11,900	10,158	11,922
2032	9,679	11,742	10,112	11,932
2033	9,664	11,671	10,092	11,937
2034	9,623	11,607	10,030	11,937
2035	9,590	11,584	9,989	11,889
2036	9,548	11,553	10,025	11,919

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

<b>YEAR</b>	<b>SPRING</b>	<b>SUMMER</b>	<b>FALL</b>	<b>WINTER</b>
2021	10,610	13,029	11,370	12,869
2022	10,603	12,947	11,301	12,850
2023	10,644	12,974	11,352	12,830
2024	10,670	12,973	11,380	12,906
2025	10,680	12,937	11,417	12,957
2026	10,701	12,888	11,378	12,982
2027	10,720	12,791	11,315	13,006
2028	10,626	12,715	11,241	13,049
2029	10,638	12,666	11,160	13,074
2030	10,581	12,616	11,136	13,086
2031	10,541	12,561	11,123	13,098
2032	10,587	12,546	11,064	13,108
2033	10,563	12,524	11,012	13,124
2034	10,515	12,506	10,942	13,110
2035	10,469	12,504	10,918	13,109
2036	10,439	12,522	10,947	13,108

**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.

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  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AE	2,593	2,603	2,620	2,632	2,638	2,652	2,665	2,679	2,696	2,709	2,720	2,732	2,739	2,747	2,756	2,767
BGE	6,852	6,869	6,915	6,935	6,935	6,956	6,949	6,981	7,020	7,035	7,065	7,093	7,119	7,146	7,179	7,218
DPL	4,198	4,209	4,229	4,252	4,259	4,257	4,255	4,254	4,251	4,251	4,234	4,215	4,197	4,205	4,218	4,231
JCPL	6,185	6,195	6,226	6,255	6,282	6,292	6,316	6,354	6,405	6,439	6,478	6,510	6,527	6,560	6,571	6,601
METED	3,184	3,205	3,222	3,244	3,258	3,272	3,283	3,297	3,306	3,318	3,323	3,333	3,347	3,361	3,374	3,387
PECO	8,726	8,771	8,801	8,834	8,848	8,852	8,839	8,826	8,824	8,834	8,837	8,840	8,828	8,821	8,829	8,837
PENLC	3,077	3,106	3,131	3,157	3,232	3,242	3,251	3,280	3,307	3,356	3,441	3,439	3,477	3,515	3,558	3,637
PEPCO	6,177	6,078	6,059	6,038	6,002	5,933	5,873	5,818	5,785	5,725	5,660	5,592	5,496	5,432	5,379	5,399
PL	7,611	7,678	7,755	7,796	7,853	7,902	7,952	8,022	8,078	8,139	8,195	8,251	8,309	8,361	8,407	8,471
PS	10,294	10,321	10,377	10,436	10,465	10,486	10,512	10,573	10,640	10,688	10,734	10,787	10,853	10,893	10,948	11,007
RECO	421	419	418	418	419	419	419	420	420	420	420	419	419	419	419	415
UGI	211	210	211	213	213	214	214	215	216	217	217	218	218	219	220	220
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	837 58,692	823 58,841	865 59,099	950 59,260	1,010 59,394	1,090 59,387	1,178 59,350	1,332 59,387	1,480 59,468	1,638 59,493	1,827 59,497	1,952 59,477	2,102 59,427	2,308 59,371	2,497 59,361	2,783 59,407
FE-EAST PLGRP	12,376 7,818	12,416 7,885	12,502 7,959	12,572 8,007	12,638 8,064	12,692 8,113	12,745 8,162	12,810 8,229	12,896 8,290	12,961 8,352	13,043 8,410	13,107 8,464	13,154 8,523	13,213 8,576	13,266 8,621	13,339 8,688

**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. 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  
2021 - 2036**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
AEP	23,907	24,064	24,196	24,306	24,382	24,446	24,515	24,597	24,675	24,762	24,824	24,890	24,959	24,966	25,045	25,122
APS	9,304	9,347	9,412	9,482	9,512	9,523	9,532	9,552	9,559	9,572	9,604	9,632	9,658	9,675	9,690	9,722
ATSI	13,312	13,405	13,453	13,470	13,484	13,505	13,524	13,554	13,577	13,601	13,609	13,616	13,615	13,588	13,552	13,524
COMED	22,468	22,363	22,201	22,074	21,964	21,851	21,750	21,675	21,604	21,498	21,429	21,330	21,261	21,148	21,066	20,970
DAYTON	3,561	3,601	3,596	3,613	3,622	3,633	3,645	3,659	3,677	3,694	3,704	3,719	3,732	3,734	3,745	3,761
DEOK	5,612	5,668	5,718	5,757	5,786	5,814	5,841	5,871	5,896	5,918	5,930	5,953	5,981	5,987	5,993	6,003
DLCO	2,915	2,946	2,982	3,005	3,024	3,039	3,054	3,071	3,088	3,099	3,110	3,122	3,130	3,137	3,143	3,149
EKPC	2,231	2,248	2,268	2,285	2,301	2,314	2,326	2,338	2,349	2,361	2,370	2,380	2,390	2,397	2,406	2,414
OVEC	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
DIVERSITY - WESTERN(-)	1,778	1,815	1,823	1,831	1,842	1,836	1,851	1,911	1,914	1,896	1,957	1,980	1,986	2,036	2,075	2,097
PJM WESTERN	81,622	81,917	82,093	82,251	82,323	82,379	82,426	82,496	82,601	82,699	82,713	82,752	82,830	82,686	82,655	82,658
DOM	20,882	20,988	21,201	21,402	21,585	21,645	21,707	21,772	21,832	21,873	21,950	22,032	22,145	22,262	22,381	22,531
DIVERSITY - TOTAL(-)	5,506	5,373	5,385	5,341	5,383	5,365	5,447	5,511	5,796	5,706	5,920	6,086	6,292	6,325	6,483	6,776
PJM RTO	158,305	159,011	159,696	160,353	160,771	160,972	161,065	161,387	161,499	161,893	162,024	162,107	162,198	162,338	162,486	162,700

**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.

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  
2020/21 - 2035/36**

	20/21	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
AE	1,645	1,645	1,648	1,664	1,678	1,689	1,694	1,700	1,707	1,713	1,717	1,720	1,721	1,720	1,718	1,717
BGE	6,680	6,700	6,714	6,761	6,800	6,831	6,860	6,895	6,930	6,957	6,979	7,002	7,022	7,038	7,053	7,068
DPL	4,238	4,277	4,303	4,316	4,350	4,383	4,417	4,477	4,495	4,533	4,567	4,603	4,655	4,686	4,700	4,733
JCPL	3,848	3,865	3,902	3,947	3,977	4,011	4,035	4,062	4,091	4,117	4,128	4,155	4,170	4,181	4,192	4,204
METED	2,870	2,878	2,889	2,904	2,915	2,926	2,932	2,943	2,955	2,965	2,973	2,981	2,987	2,992	2,998	3,003
PECO	7,184	7,178	7,183	7,206	7,209	7,207	7,190	7,191	7,189	7,183	7,172	7,164	7,151	7,130	7,110	7,088
PENLC	3,036	3,054	3,040	3,045	3,031	3,050	3,056	3,069	3,062	3,051	3,055	3,074	3,089	3,079	3,082	3,072
PEPCO	6,263	6,216	6,186	6,217	6,236	6,229	6,223	6,223	6,221	6,215	6,201	6,188	6,173	6,150	6,134	6,126
PL	8,058	8,039	8,049	8,082	8,116	8,142	8,155	8,176	8,204	8,225	8,242	8,259	8,265	8,266	8,265	8,265
PS	7,060	7,119	7,190	7,279	7,328	7,378	7,396	7,444	7,485	7,505	7,513	7,534	7,561	7,564	7,576	7,574
RECO	220	219	219	219	219	219	219	219	218	218	217	216	216	215	214	213
UGI	214	211	210	210	210	209	209	208	208	207	207	206	206	205	204	204
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	2,030 49,286	2,007 49,394	1,994 49,539	1,985 49,865	2,031 50,038	2,055 50,219	2,056 50,330	2,060 50,547	2,022 50,743	2,013 50,876	2,034 50,937	2,043 51,059	2,078 51,138	2,018 51,208	1,987 51,259	1,997 51,270
FE-EAST	9,563	9,598	9,640	9,701	9,742	9,787	9,814	9,865	9,906	9,930	9,959	9,995	10,027	10,040	10,054	10,069
PLGRP	8,269	8,247	8,256	8,289	8,318	8,344	8,358	8,378	8,404	8,423	8,446	8,463	8,460	8,460	8,458	8,457

**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  
2021 - 2036**

	20/21	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
AEP	24,420	24,487	24,505	24,589	24,629	24,648	24,652	24,687	24,661	24,648	24,625	24,595	24,585	24,483	24,416	24,347
APS	9,670	9,688	9,710	9,744	9,762	9,770	9,776	9,788	9,801	9,808	9,811	9,812	9,807	9,796	9,784	9,770
ATSI	12,127	12,196	12,202	12,212	12,205	12,188	12,153	12,146	12,119	12,112	12,079	12,044	12,017	11,985	11,932	11,879
COMED	15,773	15,733	15,587	15,643	15,387	15,263	15,167	15,064	15,126	14,873	14,755	14,592	14,483	14,362	14,374	14,089
DAYTON	3,251	3,255	3,246	3,261	3,249	3,252	3,255	3,253	3,252	3,238	3,234	3,235	3,233	3,220	3,215	3,198
DEOK	5,088	5,143	5,177	5,222	5,229	5,268	5,288	5,307	5,325	5,311	5,321	5,348	5,356	5,355	5,353	5,325
DLCO	2,219	2,243	2,252	2,271	2,281	2,287	2,285	2,285	2,288	2,287	2,283	2,279	2,272	2,262	2,252	2,242
EKPC	3,299	3,303	3,328	3,365	3,391	3,414	3,443	3,462	3,488	3,514	3,540	3,567	3,592	3,616	3,640	3,665
OVEC	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
DIVERSITY - WESTERN(-)	3,023	2,912	2,917	3,042	2,875	2,800	2,815	2,797	2,883	2,725	2,728	2,631	2,629	2,624	2,735	2,585
PJM WESTERN	72,944	73,256	73,210	73,385	73,378	73,410	73,324	73,315	73,297	73,186	73,040	72,961	72,836	72,575	72,351	72,050
DOM	23,238	23,457	23,629	23,920	24,146	24,448	24,684	24,926	25,133	25,362	25,599	25,845	26,069	26,255	26,456	26,649
DIVERSITY - TOTAL(-)	7,979	7,961	7,889	8,143	7,910	7,989	8,082	8,121	8,298	8,151	8,166	8,216	8,269	8,349	8,489	8,267
PJM RTO	142,542	143,065	143,400	144,054	144,558	144,943	145,127	145,524	145,780	146,011	146,172	146,323	146,481	146,331	146,299	146,284

**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  
2021 - 2031**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Annual Growth Rate (10 yr)
AE	9,843	9,839	9,908	9,991	10,013	10,058	10,103	10,185	10,231	10,281	10,337	0.5%
		-0.0%	0.7%	0.8%	0.2%	0.4%	0.4%	0.8%	0.5%	0.5%	0.5%	
BGE	31,760	31,938	32,302	32,689	32,820	32,960	33,082	33,293	33,307	33,325	33,385	0.5%
		0.6%	1.1%	1.2%	0.4%	0.4%	0.4%	0.6%	0.0%	0.1%	0.2%	
DPL	18,820	18,918	19,045	19,214	19,254	19,332	19,406	19,542	19,563	19,613	19,662	0.4%
		0.5%	0.7%	0.9%	0.2%	0.4%	0.4%	0.7%	0.1%	0.3%	0.2%	
JCPL	22,287	22,538	22,812	23,101	23,248	23,429	23,612	23,884	24,067	24,253	24,468	0.9%
		1.1%	1.2%	1.3%	0.6%	0.8%	0.8%	1.2%	0.8%	0.8%	0.9%	
METED	15,861	16,002	16,108	16,244	16,299	16,390	16,474	16,616	16,687	16,763	16,872	0.6%
		0.9%	0.7%	0.8%	0.3%	0.6%	0.5%	0.9%	0.4%	0.5%	0.7%	
PECO	39,510	39,755	39,988	40,225	40,206	40,250	40,271	40,461	40,475	40,535	40,628	0.3%
		0.6%	0.6%	0.6%	-0.0%	0.1%	0.1%	0.5%	0.0%	0.1%	0.2%	
PENLC	17,309	17,452	17,552	17,666	17,693	17,762	17,830	17,978	18,041	18,119	18,225	0.5%
		0.8%	0.6%	0.6%	0.2%	0.4%	0.4%	0.8%	0.4%	0.4%	0.6%	
PEPCO	28,841	28,447	28,431	28,532	28,357	28,141	27,922	27,792	27,519	27,203	26,922	( 0.7%)
		-1.4%	-0.1%	0.4%	-0.6%	-0.8%	-0.8%	-0.5%	-1.0%	-1.1%	-1.0%	
PL	40,584	40,803	41,054	41,399	41,522	41,742	41,941	42,280	42,422	42,611	42,853	0.5%
		0.5%	0.6%	0.8%	0.3%	0.5%	0.5%	0.8%	0.3%	0.4%	0.6%	
PS	43,584	44,034	44,509	45,029	45,241	45,526	45,795	46,243	46,516	46,813	47,158	0.8%
		1.0%	1.1%	1.2%	0.5%	0.6%	0.6%	1.0%	0.6%	0.6%	0.7%	
RECO	1,446	1,447	1,449	1,453	1,452	1,453	1,456	1,463	1,464	1,466	1,471	0.2%
		0.1%	0.1%	0.3%	-0.1%	0.1%	0.2%	0.5%	0.1%	0.1%	0.3%	
UGI	1,048	1,047	1,052	1,060	1,059	1,059	1,062	1,067	1,069	1,071	1,073	0.2%
		-0.1%	0.5%	0.8%	-0.1%	0.0%	0.3%	0.5%	0.2%	0.2%	0.2%	
PJM MID-ATLANTIC	270,893	272,220	274,210	276,603	277,164	278,102	278,954	280,804	281,361	282,053	283,054	0.4%
		0.5%	0.7%	0.9%	0.2%	0.3%	0.3%	0.7%	0.2%	0.2%	0.4%	
FE-EAST	55,457	55,992	56,472	57,011	57,240	57,581	57,916	58,478	58,795	59,135	59,565	0.7%
		1.0%	0.9%	1.0%	0.4%	0.6%	0.6%	1.0%	0.5%	0.6%	0.7%	
PLGRP	41,632	41,850	42,106	42,459	42,581	42,801	43,003	43,347	43,491	43,682	43,926	0.5%
		0.5%	0.6%	0.8%	0.3%	0.5%	0.5%	0.8%	0.3%	0.4%	0.6%	

Notes:  
All forecast values represent metered energy, after reductions for distributed solar generation and additions for plug-in electric vehicles.  
All average growth rates are calculated from the first year of the forecast (2021).

**Table E-1 (continued)**

**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2032 - 2036**

	2032	2033	2034	2035	2036	Annual Growth Rate (15 yr)
AE	10,425 0.9%	10,454 0.3%	10,508 0.5%	10,564 0.5%	10,636 0.7%	0.5%
BGE	33,555 0.5%	33,552 -0.0%	33,644 0.3%	33,769 0.4%	34,018 0.7%	0.5%
DPL	19,779 0.6%	19,766 -0.1%	19,824 0.3%	19,919 0.5%	20,075 0.8%	0.4%
JCPL	24,762 1.2%	24,907 0.6%	25,111 0.8%	25,337 0.9%	25,595 1.0%	0.9%
METED	17,026 0.9%	17,086 0.4%	17,180 0.6%	17,290 0.6%	17,438 0.9%	0.6%
PECO	40,847 0.5%	40,839 -0.0%	40,930 0.2%	41,058 0.3%	41,278 0.5%	0.3%
PENLC	18,383 0.9%	18,446 0.3%	18,547 0.5%	18,671 0.7%	18,836 0.9%	0.6%
PEPCO	26,721 -0.7%	26,377 -1.3%	26,129 -0.9%	25,974 -0.6%	25,923 -0.2%	( 0.7%)
PL	43,213 0.8%	43,327 0.3%	43,525 0.5%	43,763 0.5%	44,103 0.8%	0.6%
PS	47,635 1.0%	47,834 0.4%	48,147 0.7%	48,494 0.7%	48,926 0.9%	0.8%
RECO	1,479 0.5%	1,477 -0.1%	1,480 0.2%	1,484 0.3%	1,488 0.3%	0.2%
UGI	1,081 0.7%	1,079 -0.2%	1,081 0.2%	1,084 0.3%	1,088 0.4%	0.3%
PJM MID-ATLANTIC	284,906 0.7%	285,144 0.1%	286,106 0.3%	287,407 0.5%	289,404 0.7%	0.4%
FE-EAST	60,171 1.0%	60,439 0.4%	60,838 0.7%	61,298 0.8%	61,869 0.9%	0.7%
PLGRP	44,294 0.8%	44,406 0.3%	44,606 0.5%	44,847 0.5%	45,191 0.8%	0.5%

Notes:  
All forecast values represent metered energy, after reductions for distributed solar generation and additions for plug-in electric vehicles.  
All average growth rates are calculated from the first year of the forecast (2021).

**Table E-1**

**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2021 - 2031**

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Annual Growth Rate (10 yr)
AEP	127,738	128,406	128,995	129,799	129,847	130,168	130,428	131,152	131,204	131,279	131,579	0.3%
		0.5%	0.5%	0.6%	0.0%	0.2%	0.2%	0.6%	0.0%	0.1%	0.2%	
APS	49,585	49,863	50,132	50,499	50,533	50,671	50,792	51,057	51,047	51,085	51,213	0.3%
		0.6%	0.5%	0.7%	0.1%	0.3%	0.2%	0.5%	-0.0%	0.1%	0.3%	
ATSI	66,650	67,483	67,839	68,153	68,057	68,136	68,168	68,461	68,395	68,371	68,425	0.3%
		1.2%	0.5%	0.5%	-0.1%	0.1%	0.0%	0.4%	-0.1%	-0.0%	0.1%	
COMED	95,538	95,148	94,696	94,602	93,994	93,711	93,384	93,362	92,900	92,535	92,314	( 0.3%)
		-0.4%	-0.5%	-0.1%	-0.6%	-0.3%	-0.3%	-0.0%	-0.5%	-0.4%	-0.2%	
DAYTON	17,224	17,355	17,436	17,529	17,536	17,579	17,620	17,717	17,748	17,764	17,829	0.3%
		0.8%	0.5%	0.5%	0.0%	0.2%	0.2%	0.6%	0.2%	0.1%	0.4%	
DEOK	26,927	27,332	27,649	27,973	28,113	28,279	28,428	28,669	28,772	28,881	29,028	0.8%
		1.5%	1.2%	1.2%	0.5%	0.6%	0.5%	0.8%	0.4%	0.4%	0.5%	
DLCO	13,582	13,813	14,022	14,192	14,253	14,324	14,374	14,470	14,498	14,524	14,564	0.7%
		1.7%	1.5%	1.2%	0.4%	0.5%	0.3%	0.7%	0.2%	0.2%	0.3%	
EKPC	11,271	11,270	11,333	11,426	11,469	11,532	11,595	11,685	11,722	11,774	11,842	0.5%
		-0.0%	0.6%	0.8%	0.4%	0.5%	0.5%	0.8%	0.3%	0.4%	0.6%	
OVEC	425	425	425	425	425	425	425	425	425	425	425	0.0%
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
PJM WESTERN	408,940	411,095	412,527	414,598	414,227	414,825	415,214	416,998	416,711	416,638	417,219	0.2%
		0.5%	0.3%	0.5%	-0.1%	0.1%	0.1%	0.4%	-0.1%	-0.0%	0.1%	
DOM	100,235	100,894	101,716	102,843	103,369	103,897	104,415	105,191	105,450	105,826	106,456	0.6%
		0.7%	0.8%	1.1%	0.5%	0.5%	0.5%	0.7%	0.2%	0.4%	0.6%	
PJM RTO	780,068	784,209	788,453	794,044	794,760	796,824	798,583	802,993	803,522	804,517	806,729	0.3%
		0.5%	0.5%	0.7%	0.1%	0.3%	0.2%	0.6%	0.1%	0.1%	0.3%	

Notes:  
All forecast values represent metered energy, after reductions for distributed solar generation and additions for plug-in electric vehicles.  
All average growth rates are calculated from the first year of the forecast (2021).

**Table E-1 (Continued)**

**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2021 - 2031**

	2032	2033	2034	2035	2036	Annual Growth Rate (15 yr)
AEP	132,225	132,155	132,287	132,536	133,022	0.3%
	0.5%	-0.1%	0.1%	0.2%	0.4%	
APS	51,485	51,449	51,528	51,661	51,891	0.3%
	0.5%	-0.1%	0.2%	0.3%	0.4%	
ATSI	68,622	68,456	68,332	68,282	68,359	0.2%
	0.3%	-0.2%	-0.2%	-0.1%	0.1%	
COMED	92,362	91,934	91,680	91,514	91,541	( 0.3%)
	0.1%	-0.5%	-0.3%	-0.2%	0.0%	
DAYTON	17,937	17,956	17,989	18,051	18,132	0.3%
	0.6%	0.1%	0.2%	0.3%	0.4%	
DEOK	29,253	29,327	29,431	29,567	29,755	0.7%
	0.8%	0.3%	0.4%	0.5%	0.6%	
DLCO	14,629	14,606	14,609	14,622	14,674	0.5%
	0.4%	-0.2%	0.0%	0.1%	0.4%	
EKPC	11,939	11,978	12,041	12,108	12,194	0.5%
	0.8%	0.3%	0.5%	0.6%	0.7%	
OVEC	425	425	425	425	425	0.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	
PJM WESTERN	418,877	418,286	418,322	418,766	419,993	0.2%
	0.4%	-0.1%	0.0%	0.1%	0.3%	
DOM	107,429	107,828	108,489	109,221	110,156	0.6%
	0.9%	0.4%	0.6%	0.7%	0.9%	
PJM RTO	811,212	811,258	812,917	815,394	819,553	0.3%
	0.6%	0.0%	0.2%	0.3%	0.5%	

Notes:  
All forecast values represent metered energy, after reductions for distributed solar generation and additions for plug-in electric vehicles.  
All average growth rates are calculated from the first year of the forecast (2021).

**Table E-2**

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

	<b>AE</b>	<b>BGE</b>	<b>DPL</b>	<b>JCPL</b>	<b>METED</b>	<b>PECO</b>	<b>PENLC</b>	<b>PEPCO</b>	<b>PL</b>	<b>PS</b>	<b>RECO</b>	<b>UGI</b>	<b>PJM MID-ATLANTIC</b>
Jan 2021	846	3,051	1,943	1,940	1,470	3,569	1,628	2,761	3,997	3,718	117	107	25,147
Feb 2021	736	2,651	1,661	1,702	1,317	3,141	1,464	2,427	3,534	3,298	103	95	22,129
Mar 2021	727	2,590	1,520	1,718	1,336	3,168	1,504	2,343	3,499	3,412	107	94	22,018
Apr 2021	629	2,183	1,254	1,497	1,147	2,752	1,304	1,993	2,953	3,025	97	76	18,910
May 2021	707	2,321	1,313	1,617	1,171	2,917	1,300	2,142	2,943	3,268	111	74	19,884
Jun 2021	884	2,719	1,541	1,996	1,323	3,436	1,394	2,481	3,251	3,898	138	81	23,142
Jul 2021	1,174	3,184	1,850	2,473	1,521	4,101	1,540	2,893	3,718	4,662	164	94	27,374
Aug 2021	1,091	3,043	1,758	2,306	1,482	3,916	1,491	2,738	3,580	4,422	153	89	26,069
Sep 2021	835	2,517	1,472	1,857	1,249	3,254	1,344	2,302	3,098	3,691	126	76	21,821
Oct 2021	694	2,260	1,304	1,614	1,188	2,881	1,356	2,072	3,015	3,241	107	77	19,809
Nov 2021	705	2,399	1,401	1,645	1,234	2,967	1,416	2,165	3,262	3,256	106	85	20,641
Dec 2021	815	2,842	1,803	1,922	1,423	3,408	1,568	2,524	3,734	3,693	117	100	23,949
	<b>AE</b>	<b>BGE</b>	<b>DPL</b>	<b>JCPL</b>	<b>METED</b>	<b>PECO</b>	<b>PENLC</b>	<b>PEPCO</b>	<b>PL</b>	<b>PS</b>	<b>RECO</b>	<b>UGI</b>	<b>MID-ATLANTIC</b>
Jan 2022	842	3,052	1,949	1,960	1,484	3,580	1,645	2,725	4,006	3,762	117	106	25,228
Feb 2022	731	2,648	1,665	1,718	1,325	3,146	1,474	2,390	3,531	3,327	103	94	22,152
Mar 2022	724	2,604	1,531	1,746	1,349	3,194	1,522	2,311	3,516	3,449	107	93	22,146
Apr 2022	625	2,187	1,260	1,517	1,153	2,769	1,315	1,956	2,960	3,043	97	76	18,958
May 2022	705	2,337	1,324	1,647	1,190	2,954	1,325	2,110	2,978	3,310	112	74	20,066
Jun 2022	886	2,738	1,550	2,019	1,337	3,469	1,406	2,439	3,278	3,938	138	81	23,279
Jul 2022	1,177	3,199	1,858	2,493	1,531	4,136	1,548	2,838	3,738	4,700	164	94	27,476
Aug 2022	1,097	3,073	1,773	2,339	1,505	3,967	1,512	2,704	3,626	4,489	154	89	26,328
Sep 2022	837	2,539	1,478	1,871	1,257	3,266	1,350	2,272	3,117	3,729	126	77	21,919
Oct 2022	694	2,284	1,310	1,628	1,198	2,890	1,363	2,052	3,034	3,274	107	77	19,911
Nov 2022	707	2,423	1,409	1,661	1,244	2,976	1,422	2,148	3,279	3,294	106	86	20,755
Dec 2022	814	2,854	1,811	1,939	1,429	3,408	1,570	2,502	3,740	3,719	116	100	24,002
	<b>AE</b>	<b>BGE</b>	<b>DPL</b>	<b>JCPL</b>	<b>METED</b>	<b>PECO</b>	<b>PENLC</b>	<b>PEPCO</b>	<b>PL</b>	<b>PS</b>	<b>RECO</b>	<b>UGI</b>	<b>MID-ATLANTIC</b>
Jan 2023	842	3,070	1,961	1,983	1,493	3,591	1,651	2,714	4,022	3,805	118	106	25,356
Feb 2023	730	2,659	1,673	1,735	1,332	3,151	1,478	2,375	3,542	3,356	103	94	22,228
Mar 2023	736	2,643	1,542	1,777	1,359	3,218	1,532	2,314	3,539	3,498	107	94	22,359
Apr 2023	633	2,216	1,265	1,537	1,157	2,784	1,322	1,951	2,972	3,070	97	76	19,080
May 2023	716	2,381	1,336	1,679	1,207	2,990	1,344	2,117	3,018	3,367	113	75	20,343
Jun 2023	892	2,768	1,562	2,042	1,347	3,495	1,415	2,435	3,303	3,975	138	82	23,454
Jul 2023	1,185	3,233	1,872	2,515	1,540	4,169	1,558	2,832	3,764	4,745	163	95	27,671
Aug 2023	1,105	3,113	1,789	2,367	1,520	4,003	1,525	2,705	3,659	4,545	154	89	26,574
Sep 2023	841	2,567	1,486	1,885	1,260	3,277	1,352	2,268	3,127	3,757	125	77	22,022
Oct 2023	699	2,319	1,321	1,652	1,211	2,912	1,376	2,062	3,066	3,319	108	78	20,123
Nov 2023	711	2,455	1,419	1,683	1,252	2,989	1,429	2,154	3,298	3,331	107	86	20,914
Dec 2023	818	2,878	1,819	1,957	1,430	3,409	1,570	2,504	3,744	3,741	116	100	24,086

Notes:  
All forecast values represent metered energy, after reductions for distributed solar generation 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 2021	12,225	4,768	6,200	8,378	1,582	2,411	1,187	1,232	40	38,023	9,716	72,886
Feb 2021	10,736	4,241	5,517	7,416	1,410	2,135	1,059	1,024	40	33,578	8,290	63,997
Mar 2021	10,866	4,289	5,583	7,683	1,420	2,165	1,092	962	40	34,100	8,122	64,240
Apr 2021	9,347	3,653	4,905	6,904	1,230	1,892	976	760	30	29,697	6,879	55,486
May 2021	9,622	3,700	5,009	7,237	1,284	2,054	1,041	790	30	30,767	7,467	58,118
Jun 2021	10,625	4,037	5,565	8,410	1,488	2,384	1,211	904	30	34,654	8,645	66,441
Jul 2021	11,583	4,442	6,165	9,652	1,635	2,669	1,356	1,004	35	38,541	9,856	75,771
Aug 2021	11,431	4,386	6,045	9,303	1,629	2,621	1,294	983	35	37,727	9,529	73,325
Sep 2021	9,951	3,788	5,236	7,875	1,380	2,205	1,115	813	35	32,398	7,951	62,170
Oct 2021	9,677	3,723	5,103	7,221	1,307	2,001	1,028	785	35	30,880	7,209	57,898
Nov 2021	10,184	3,993	5,233	7,380	1,360	2,055	1,043	911	35	32,194	7,654	60,489
Dec 2021	11,491	4,565	6,089	8,079	1,499	2,335	1,180	1,103	40	36,381	8,917	69,247
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	OVEC	PJM		PJM RTO
										WESTERN	DOM	
Jan 2022	12,278	4,795	6,302	8,434	1,597	2,449	1,214	1,227	40	38,336	9,800	73,364
Feb 2022	10,755	4,255	5,586	7,444	1,418	2,164	1,082	1,018	40	33,762	8,348	64,262
Mar 2022	10,927	4,318	5,675	7,661	1,436	2,209	1,115	960	40	34,341	8,186	64,673
Apr 2022	9,368	3,665	4,969	6,855	1,239	1,924	994	756	30	29,800	6,902	55,660
May 2022	9,713	3,737	5,117	7,236	1,307	2,101	1,066	789	30	31,096	7,529	58,691
Jun 2022	10,695	4,061	5,635	8,362	1,498	2,422	1,230	906	30	34,839	8,692	66,810
Jul 2022	11,625	4,455	6,217	9,563	1,641	2,702	1,370	1,006	35	38,614	9,894	75,984
Aug 2022	11,548	4,429	6,149	9,290	1,649	2,669	1,318	988	35	38,075	9,611	74,014
Sep 2022	10,000	3,806	5,287	7,810	1,387	2,231	1,132	814	35	32,502	7,992	62,413
Oct 2022	9,732	3,745	5,155	7,165	1,315	2,027	1,044	786	35	31,004	7,253	58,168
Nov 2022	10,238	4,016	5,285	7,328	1,367	2,081	1,060	913	35	32,323	7,715	60,793
Dec 2022	11,527	4,581	6,106	8,000	1,501	2,353	1,188	1,107	40	36,403	8,972	69,377
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	OVEC	PJM		PJM RTO
										WESTERN	DOM	
Jan 2023	12,322	4,819	6,328	8,365	1,602	2,471	1,225	1,232	40	38,404	9,883	73,643
Feb 2023	10,789	4,271	5,609	7,375	1,422	2,182	1,091	1,022	40	33,801	8,406	64,435
Mar 2023	10,982	4,341	5,717	7,633	1,445	2,242	1,140	964	40	34,504	8,250	65,113
Apr 2023	9,392	3,677	4,990	6,802	1,243	1,948	1,013	757	30	29,852	6,932	55,864
May 2023	9,808	3,775	5,185	7,245	1,324	2,141	1,094	794	30	31,396	7,606	59,345
Jun 2023	10,753	4,085	5,669	8,326	1,506	2,450	1,249	913	30	34,981	8,769	67,204
Jul 2023	11,666	4,476	6,238	9,498	1,644	2,730	1,389	1,014	35	38,690	9,981	76,342
Aug 2023	11,619	4,462	6,192	9,259	1,659	2,703	1,340	997	35	38,266	9,710	74,550
Sep 2023	10,020	3,817	5,295	7,759	1,387	2,250	1,145	817	35	32,525	8,042	62,589
Oct 2023	9,813	3,779	5,204	7,172	1,327	2,057	1,063	791	35	31,241	7,323	58,687
Nov 2023	10,291	4,040	5,314	7,312	1,375	2,106	1,076	918	35	32,467	7,780	61,161
Dec 2023	11,540	4,590	6,098	7,950	1,502	2,369	1,197	1,114	40	36,400	9,034	69,520

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



**Table E-3**

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

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2021	5,038	4,104
Feb 2021	4,483	3,629
Mar 2021	4,558	3,593
Apr 2021	3,948	3,029
May 2021	4,088	3,017
Jun 2021	4,713	3,332
Jul 2021	5,534	3,812
Aug 2021	5,279	3,669
Sep 2021	4,450	3,174
Oct 2021	4,158	3,092
Nov 2021	4,295	3,347
Dec 2021	4,913	3,834

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2022	5,089	4,112
Feb 2022	4,517	3,625
Mar 2022	4,617	3,609
Apr 2022	3,985	3,036
May 2022	4,162	3,052
Jun 2022	4,762	3,359
Jul 2022	5,572	3,832
Aug 2022	5,356	3,715
Sep 2022	4,478	3,194
Oct 2022	4,189	3,111
Nov 2022	4,327	3,365
Dec 2022	4,938	3,840

	<b>FE_EAST</b>	<b>PLGRP</b>
Jan 2023	5,127	4,128
Feb 2023	4,545	3,636
Mar 2023	4,668	3,633
Apr 2023	4,016	3,048
May 2023	4,230	3,093
Jun 2023	4,804	3,385
Jul 2023	5,613	3,859
Aug 2023	5,412	3,748
Sep 2023	4,497	3,204
Oct 2023	4,239	3,144
Nov 2023	4,364	3,384
Dec 2023	4,957	3,844

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

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

<b>SUMMER</b>						
<b>YEAR</b>	<b>NORMALIZED BASE</b>	<b>NORMALIZED COOLING</b>	<b>NORMALIZED TOTAL</b>	<b>UNRESTRICTED PEAK</b>	<b>PEAK DATE</b>	<b>TIME</b>
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	54,741	150,587	155,257	Tuesday, July 26, 2005	16:00
2006	95,311	58,744	154,054	166,929	Wednesday, August 2, 2006	17:00
2007	96,738	57,553	154,291	162,035	Wednesday, August 8, 2007	16:00
2008	97,213	58,946	156,159	150,622	Monday, June 9, 2008	17:00
2009	94,732	56,792	151,524	145,112	Monday, August 10, 2009	16:00
2010	93,191	59,697	152,888	157,247	Wednesday, July 7, 2010	17:00
2011	93,397	59,065	152,462	165,524	Thursday, July 21, 2011	17:00
2012	93,024	59,478	152,502	158,219	Tuesday, July 17, 2012	17:00
2013	92,558	57,829	150,387	159,149	Thursday, July 18, 2013	17:00
2014	91,934	58,138	150,072	141,509	Tuesday, June 17, 2014	18:00
2015	91,214	57,613	148,827	143,579	Tuesday, July 28, 2015	17:00
2016	89,900	59,020	148,920	152,069	Thursday, August 11, 2016	16:00
2017	88,999	61,168	150,167	145,434	Wednesday, July 19, 2017	18:00
2018	89,895	59,698	149,593	150,573	Tuesday, August 28, 2018	17:00
2019	89,624	59,266	148,890	151,302	Friday, July 19, 2019	18:00
2020	85,951	60,940	146,891	144,320	Monday, July 20, 2020	17:00

Notes:  
Normalized values for 2000 - 2020 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			130,313	131,234	Monday, December 20, 2004	19:00
05/06	94,724	36,708	131,432	126,777	Wednesday, December 14, 2005	19:00
06/07	96,155	36,936	133,091	136,804	Monday, February 5, 2007	20:00
07/08	97,259	38,118	135,377	128,368	Wednesday, January 2, 2008	19:00
08/09	96,420	34,728	131,148	134,077	Friday, January 16, 2009	19:00
09/10	93,511	38,937	132,448	125,350	Monday, January 4, 2010	19:00
10/11	91,901	40,374	132,275	132,315	Tuesday, December 14, 2010	19:00
11/12	92,377	39,638	132,015	124,506	Tuesday, January 3, 2012	19:00
12/13	92,162	37,383	129,545	128,810	Tuesday, January 22, 2013	19:00
13/14	91,248	37,445	128,692	141,866	Tuesday, January 7, 2014	19:00
14/15	90,293	39,602	129,895	142,856	Friday, February 20, 2015	8:00
15/16	89,763	39,669	129,432	129,540	Tuesday, January 19, 2016	8:00
16/17	89,237	40,346	129,583	130,825	Thursday, December 15, 2016	19:00
17/18	89,243	41,567	130,810	137,212	Friday, January 5, 2018	19:00
18/19	88,376	42,297	130,674	137,618	Thursday, January 31, 2019	8:00
19/20	86,035	43,734	129,768	120,272	Thursday, December 19, 2019	8:00

Notes:  
 Normalized values for 2000 - 2020 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)**

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

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**

	<b>Summer 2020</b>	<b>Winter 2019/20</b>
AE	2,482	1,493
BGE	6,544	5,901
DPL	3,957	3,837
JCPL	6,127	3,583
METED	3,028	2,674
PECO	8,185	6,622
PENLC	2,952	2,827
PEPCO	5,838	5,696
PL	7,041	7,407
PS	9,896	6,530
RECO	426	209
UGI	198	203
AEP	22,076	21,960
APS	8,920	8,849
ATSI	12,256	10,746
COMED	19,657	14,001
DAYTON	3,273	2,951
DEOK	5,114	4,537
DLCO	2,693	1,994
EKPC	2,122	2,783
OVEC	56	75
DOM	20,429	20,169
PJM MID-ATLANTIC	55,724	45,778
PJM WESTERN	73,851	66,125
PJM RTO	146,891	129,768

Notes:  
Zonal Normal 2020 are non-coincident as estimated by PJM staff.  
Locational Deliverability Area and PJM RTO Normal 2020 are coincident with their regional peak as estimated by PJM staff.