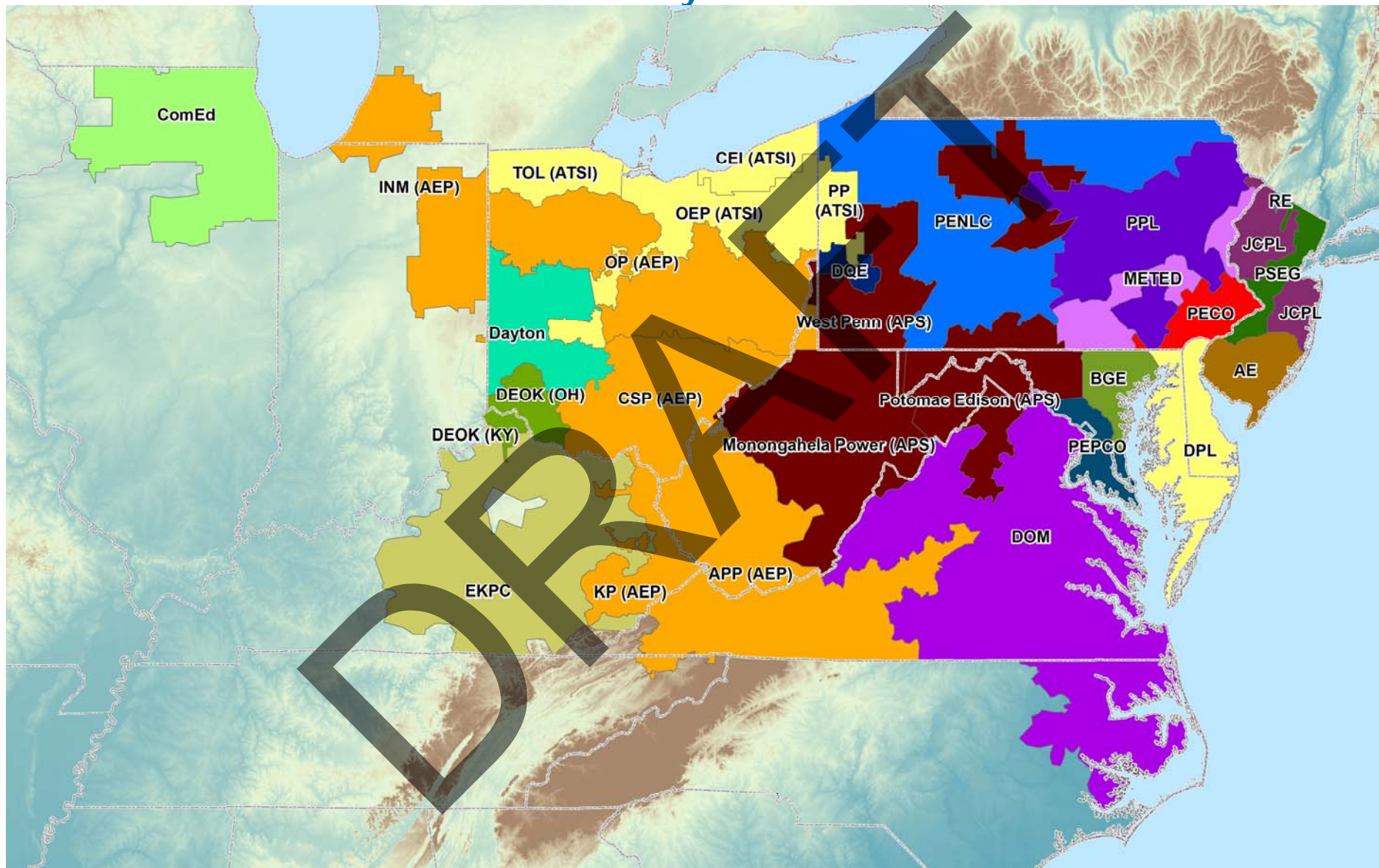


# PJM Load Forecast Report

## January 2016



Prepared by PJM Resource Adequacy Planning Department

# 2016 PJM LOAD FORECAST REPORT

## EXECUTIVE SUMMARY

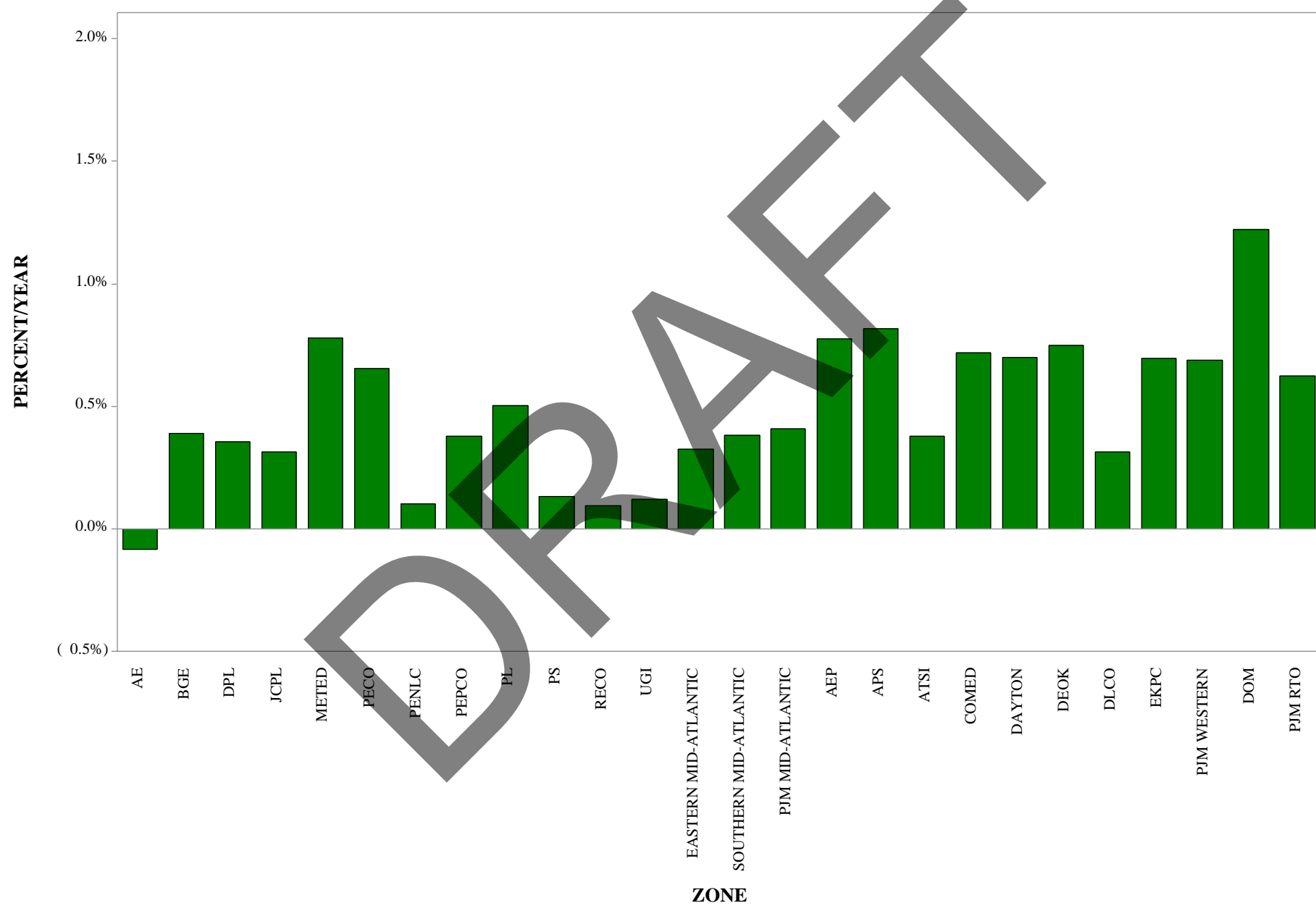
- This report presents an independent load forecast prepared by PJM staff.
- The report includes long-term forecasts of peak loads, net energy, load management and energy efficiency for each PJM zone, region, locational deliverability area, and the total RTO.
- All load models were estimated with historical data from January 1998 through August 2015. The models were simulated with weather data from years 1994 through 2014, generating 273 scenarios. The economic forecast used was Moody's Analytics' October 2015 release. Equipment indexes reflect the 2015 update of Itron's end-use data, which is consistent with the Energy Information Administration's 2015 Annual Energy Outlook.
- Table B-8 has been modified; it now represents the amount of distributed solar generation subtracted from each forecast year. These values reflect the impact of historical distributed solar generation at peak as well as the forecasted amount of solar additions at peak in each forecast year. These values are included in Tables B-1 through B-6 and Tables B-10 and B-11.
- Since the 2015 report, PJM has significantly revised its load forecast model. The treatment of weather has been restructured to provide more variable load response to weather across a wide range of conditions. Three variables (cooling, heating, and other) were added to account for trends in equipment/appliance saturation and efficiency, and distributed solar generation is now reflected in the historical load data used to estimate the models, with a separately-derived solar forecast used to adjust load forecasts.
- The economic regions used for each zone have been revised to be consistent with the revised definitions of metropolitan areas of the U.S. Office of Management and Budget. An exception is DOM zone, for which economic data for the Commonwealth of Virginia is now used. Weather station mixtures have been revised for AEP, EKPC, and PL zones.
- PJM has also significantly revised its process for developing the weather-normalized peaks that appear in the report. The new process involves estimating each zone's load and weather relationship for each season and evaluating that relationship at typical peak day weather conditions.

- The forecasts of the following zones have been adjusted to account for large, unanticipated load changes (see Table B-9 for details):
  - The forecast of the APS zone has been adjusted to account for accelerating load related to natural gas processing plants, adding 120-280 MW from 2016 through 2020 before declining to 200 MW in 2030.
  - The forecast of the DOM zone has been adjusted to account for substantial on-going growth in data center construction, which adds 240-1,050 MW to the summer peak beginning in 2016.
  
- The PJM RTO weather normalized summer peak for 2015 was 150,295 MW (using the revised normalization method). The projection for the 2016 PJM RTO summer peak is 152,165 MW, an increase of 1,870 MW, or 1.2%, from the 2015 normalized peak.
  
- Summer peak load growth for the PJM RTO is projected to average 0.6% per year over the next 10 years, and 0.6% over the next 15 years. The PJM RTO summer peak is forecasted to be 161,914 MW in 2026, a 10-year increase of 9,749 MW, and reaches 167,484 MW in 2031, a 15-year increase of 15,319 MW. Annualized 10-year growth rates for individual zones range from -0.1% to 1.2%.
  
- Winter peak load growth for PJM RTO is projected to average 0.8% per year over the next 10-year period, and 0.8% over the next 15-years. The PJM RTO winter peak load in 2025/26 is forecasted to be 140,914 MW, a 10-year increase of 10,670 MW, and reaches 146,210 MW in 2030/31, a 15-year increase of 15,966 MW. Annualized 10-year growth rates for individual zones range from 0.2% to 1.6%.
  
- Compared to the 2015 Load Report, the 2016 PJM RTO summer peak forecast shows the following changes for three years of interest:
  - The next delivery year – 2016            -5,747 MW (-3.6%)
  - The next RPM auction year – 2019    -5,622 MW (-3.5%)
  - The next RTEP study year – 2021    -8,369 MW (-5.0%)
  
- Assumptions for future Load Management (LM) have ? from the 2015 Load Report (from approximately 11,100 MW to ? MW). Assumptions for LM use the historical amount of LM committed over the 2013/14, 2014/15 and 2015/16 Delivery Years.

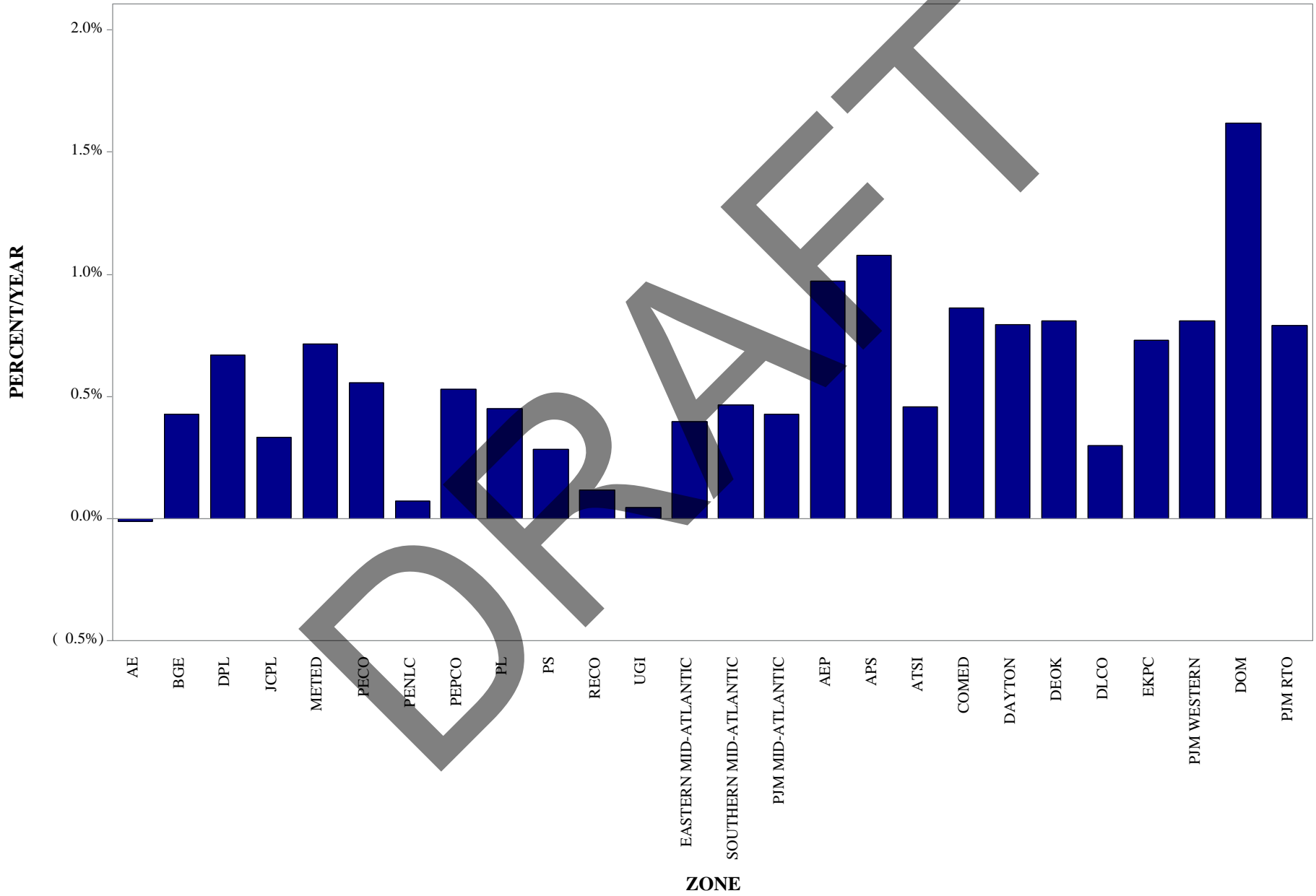
**NOTE:**

Unless noted otherwise, all peak and energy values are non-coincident, unrestricted peaks, which represent the peak load or net energy prior to reductions for load management impacts. All compound growth rates are calculated from the first year of the forecast.

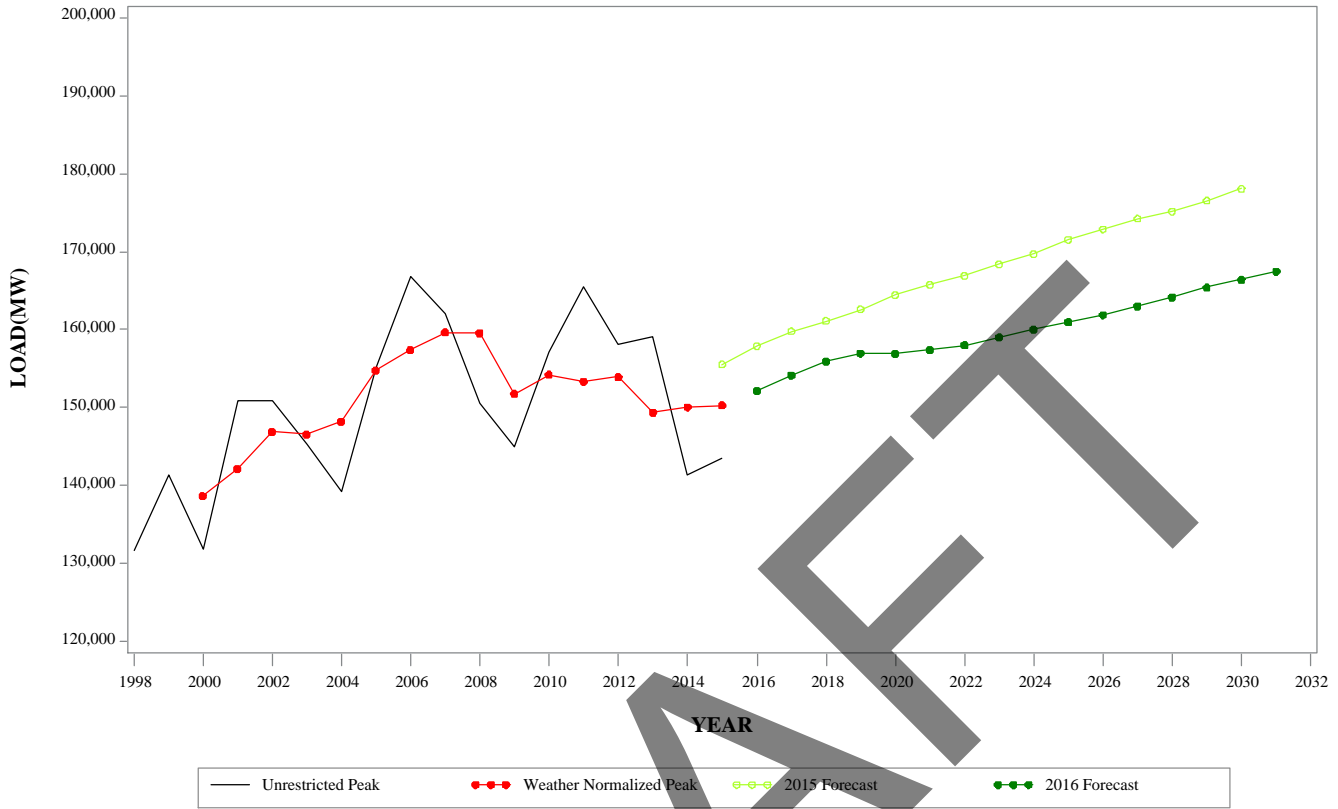
### PJM SUMMER PEAK LOAD GROWTH RATE 2016 - 2026



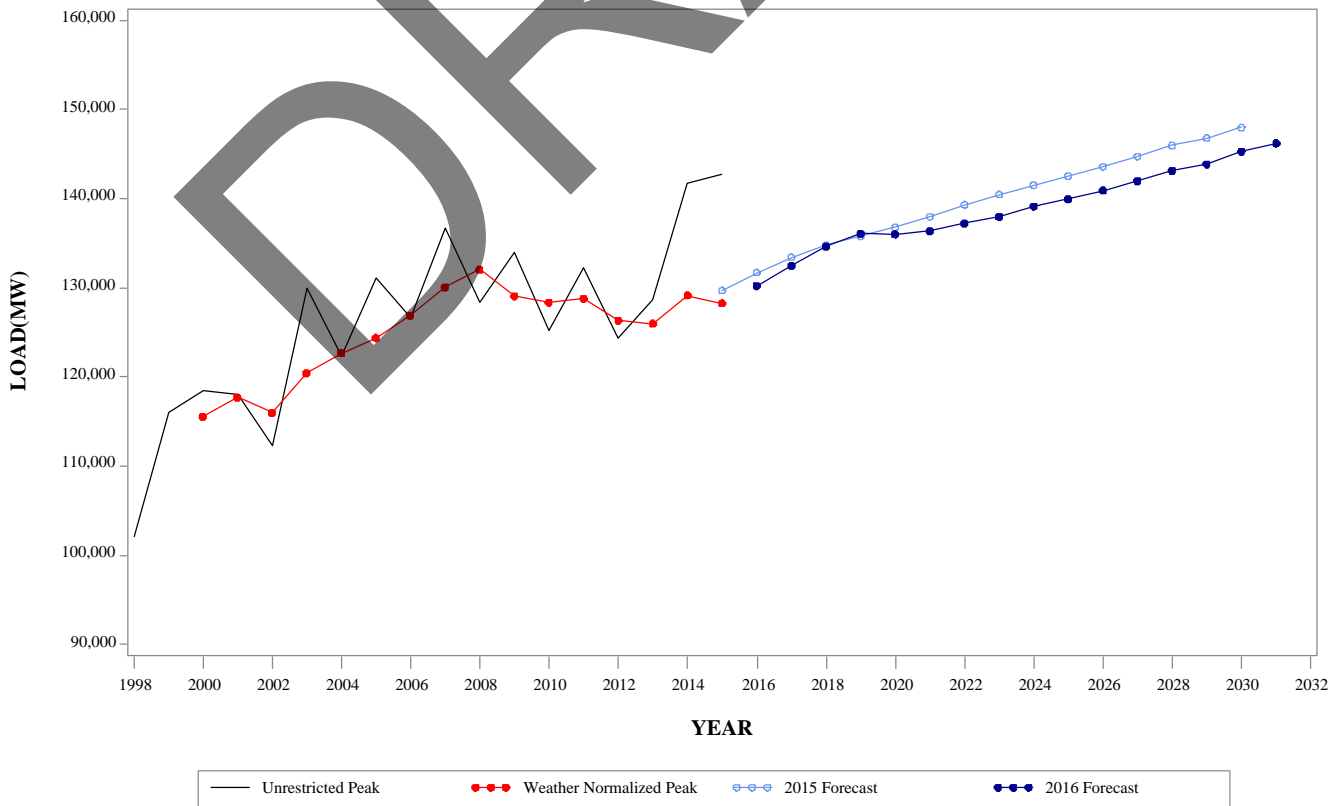
**PJM WINTER PEAK LOAD GROWTH RATE  
2016 - 2026**



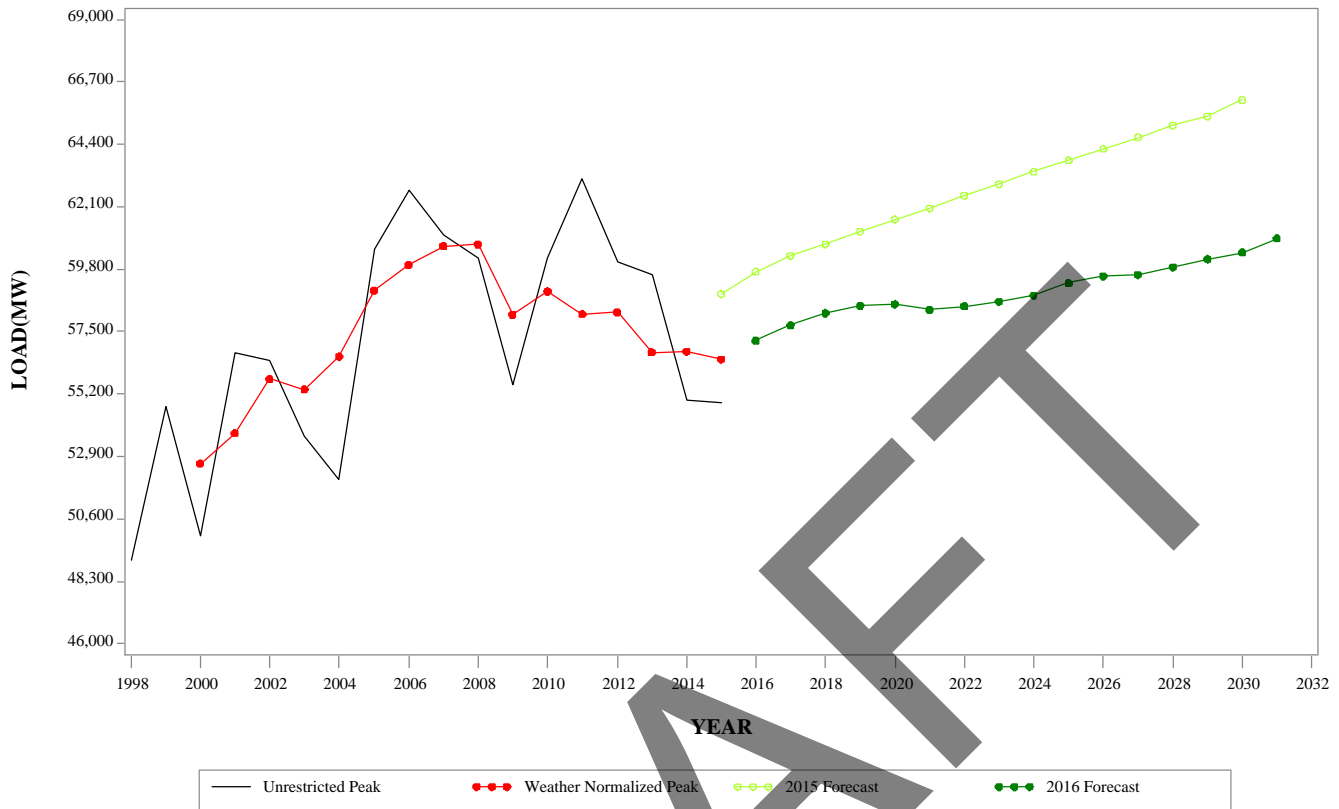
**SUMMER PEAK DEMAND FOR PJM RTO  
GEOGRAPHIC ZONE**



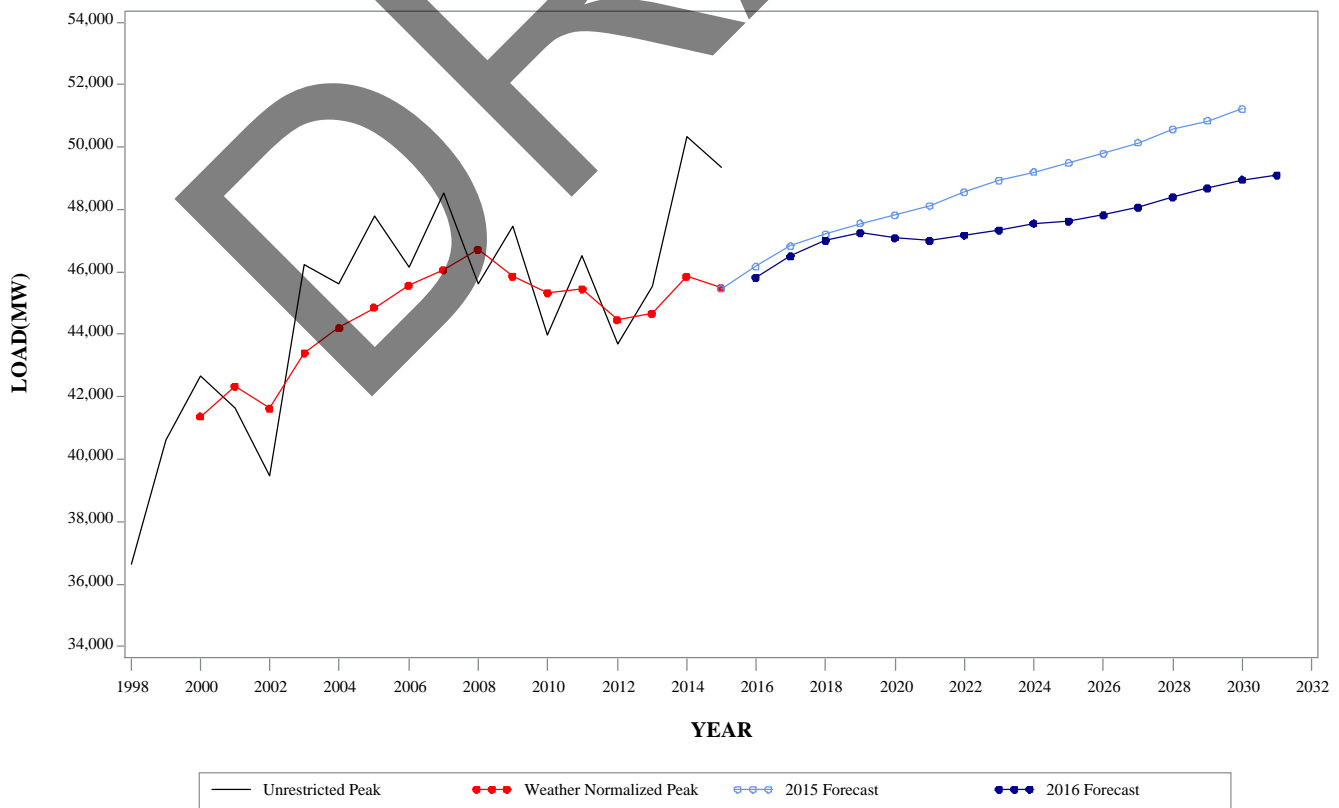
**WINTER PEAK DEMAND FOR PJM RTO  
GEOGRAPHIC ZONE**



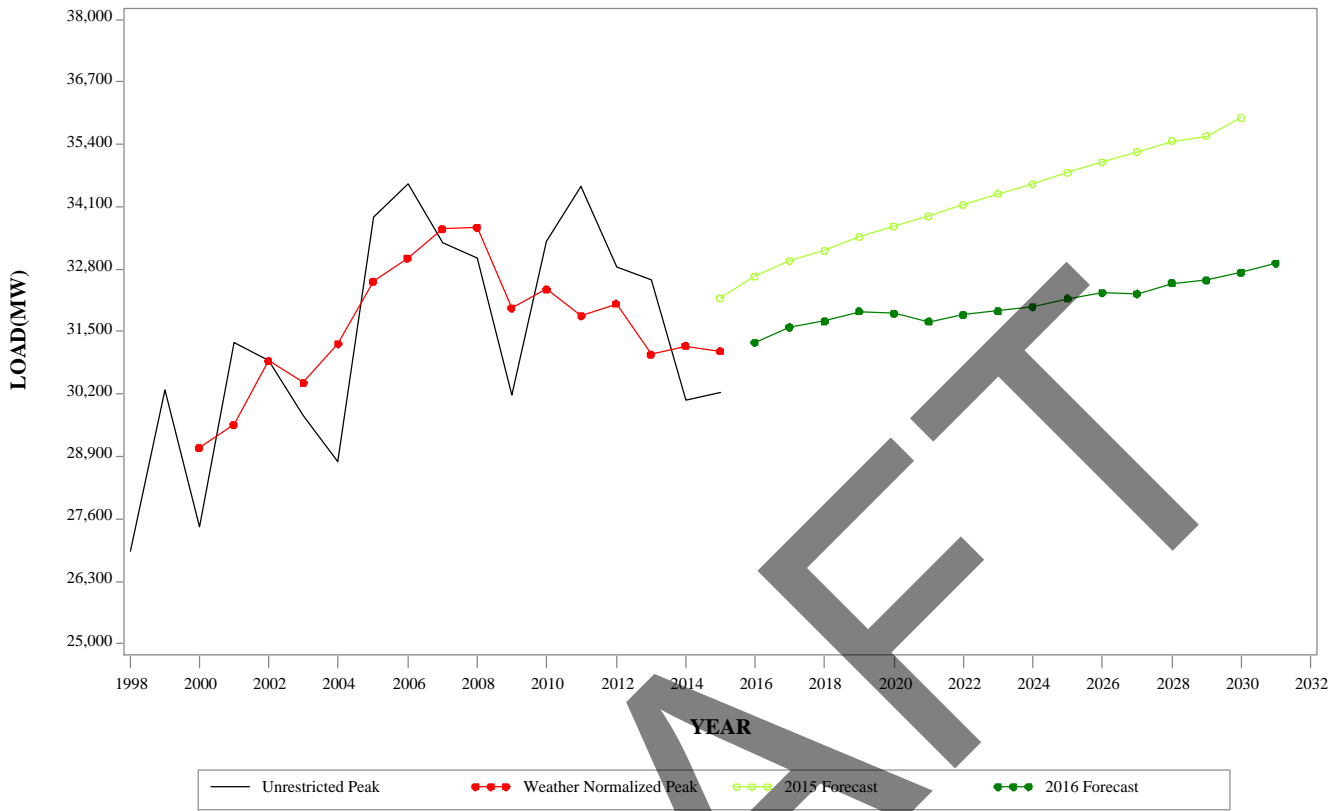
### SUMMER PEAK DEMAND FOR PJM MID-ATLANTIC GEOGRAPHIC ZONE



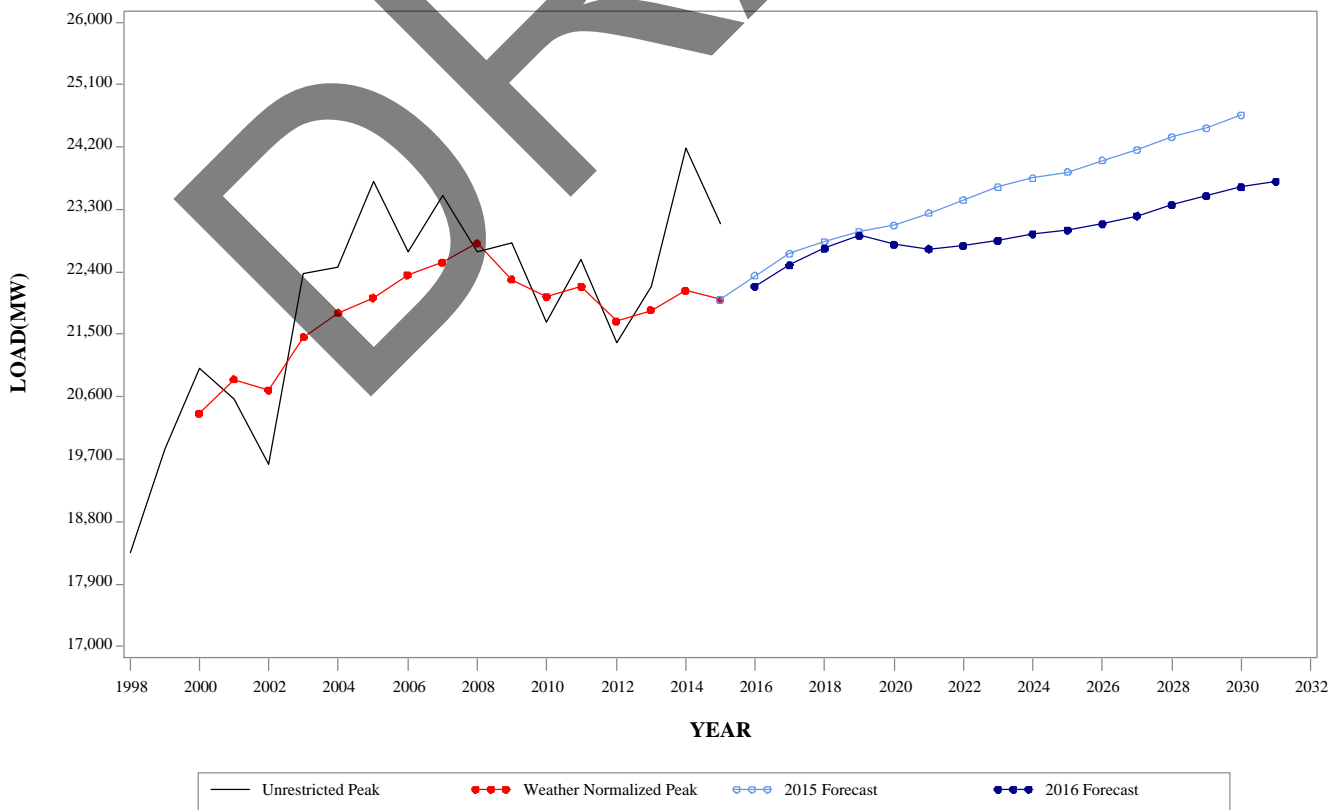
### WINTER PEAK DEMAND FOR PJM MID-ATLANTIC GEOGRAPHIC ZONE



### SUMMER PEAK DEMAND FOR EASTERN MID-ATLANTIC GEOGRAPHIC ZONE

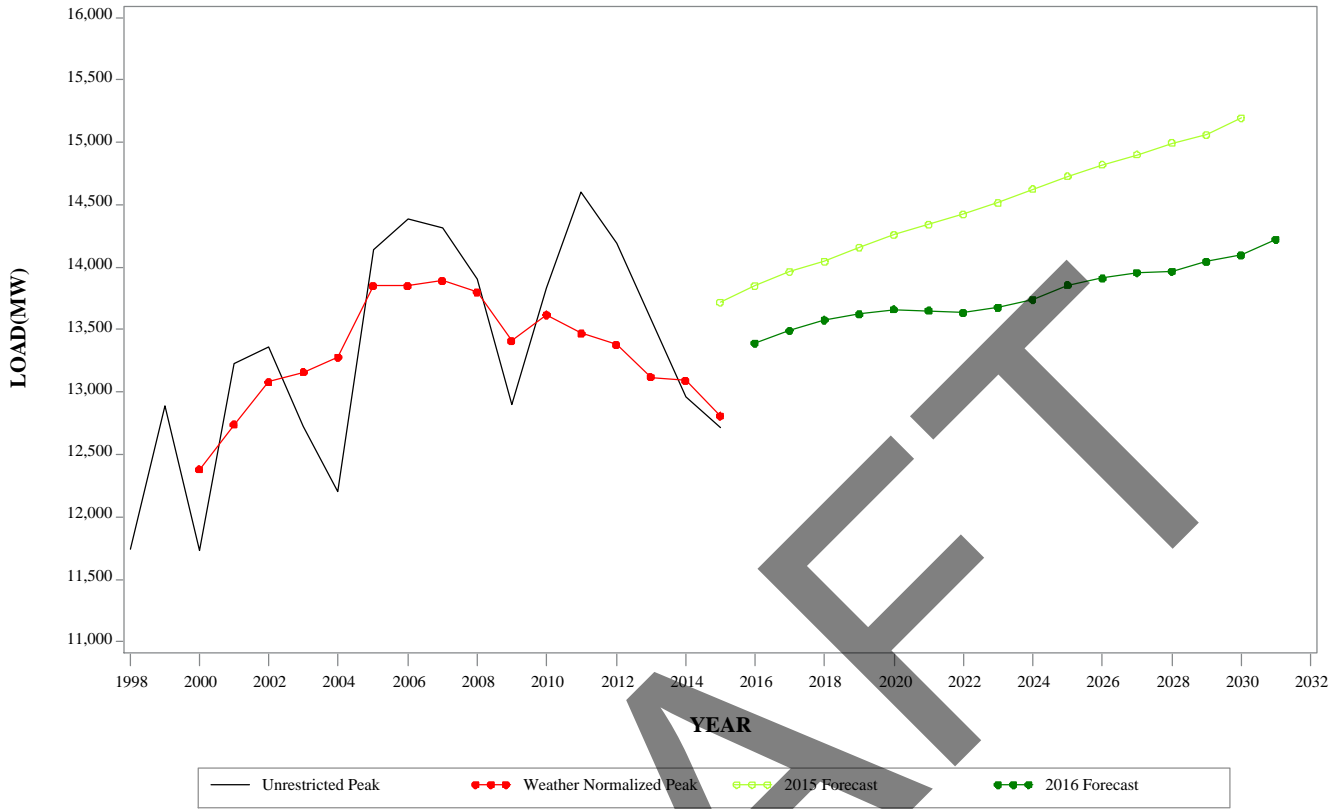


### WINTER PEAK DEMAND FOR EASTERN MID-ATLANTIC GEOGRAPHIC ZONE

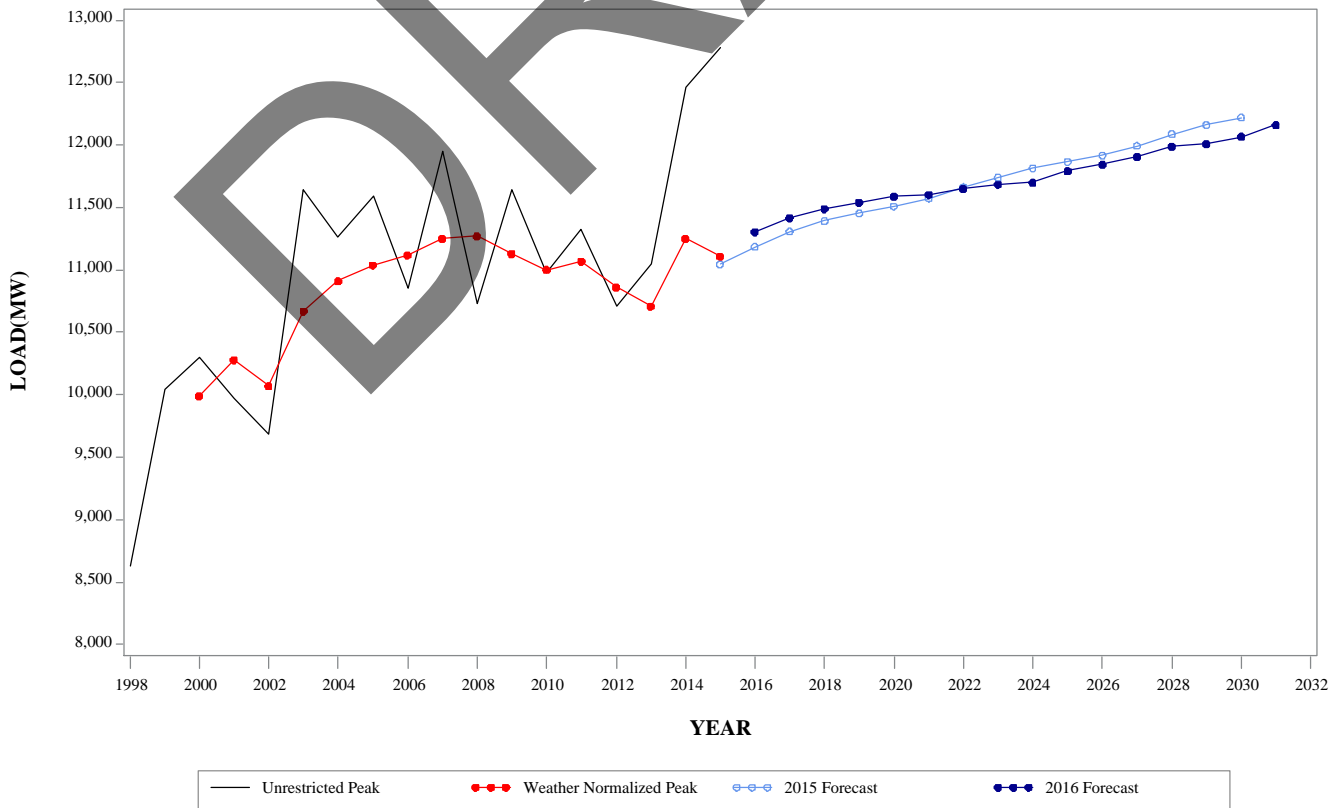




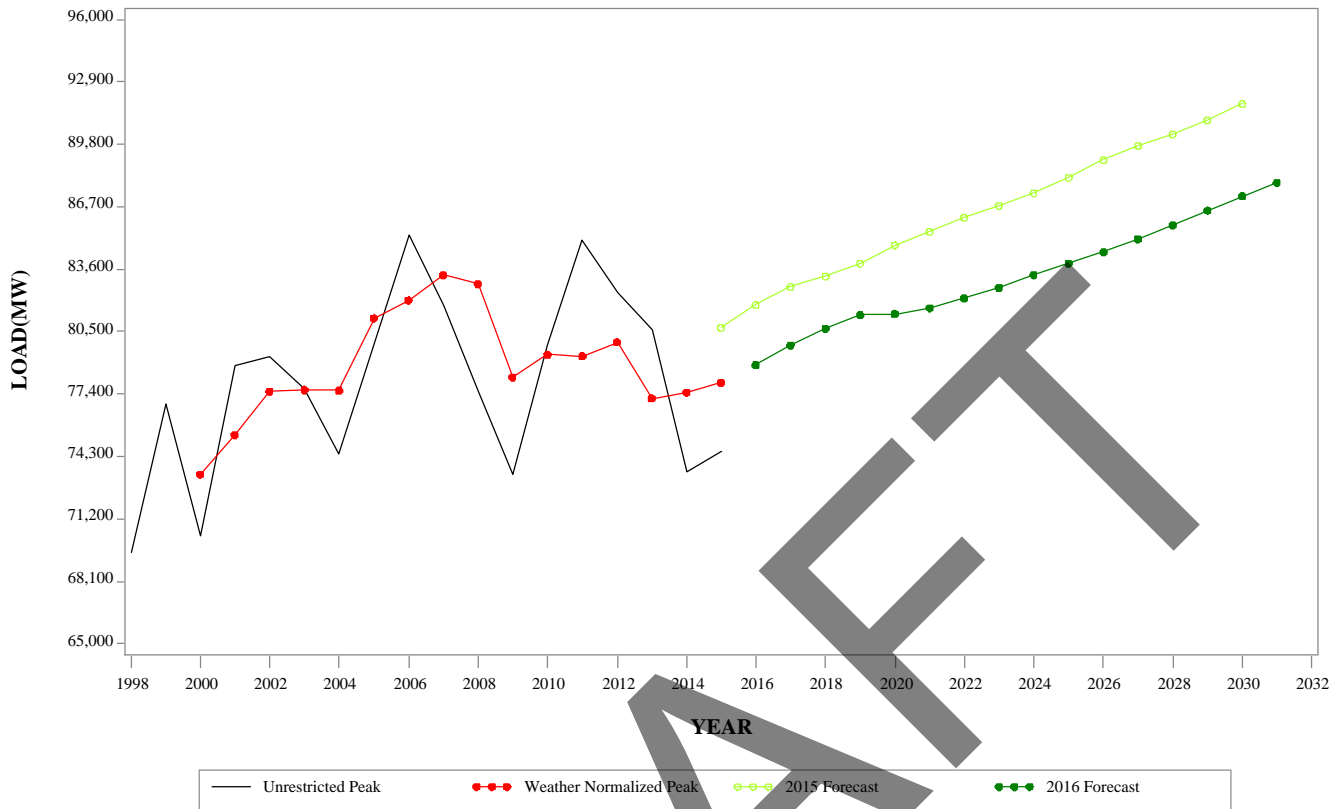
### SUMMER PEAK DEMAND FOR SOUTHERN MID-ATLANTIC GEOGRAPHIC ZONE



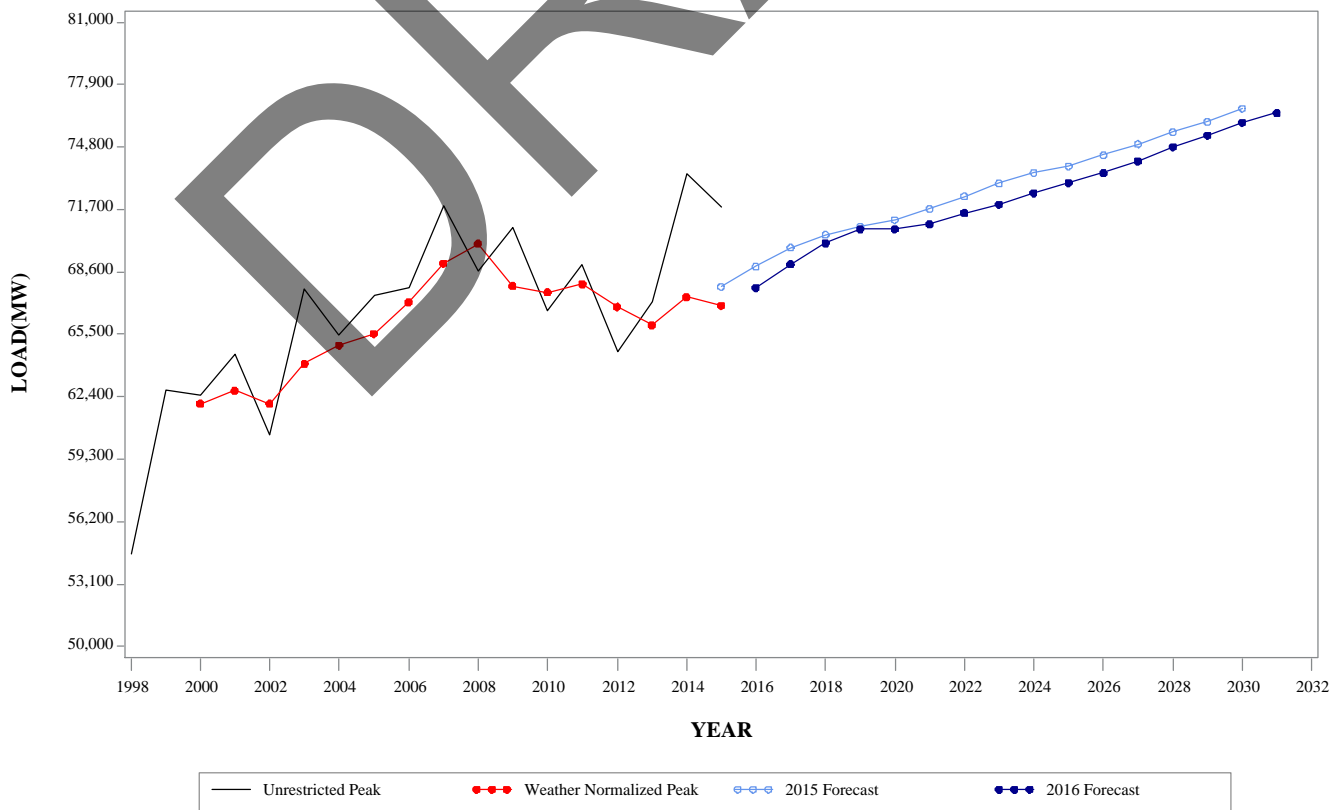
### WINTER PEAK DEMAND FOR SOUTHERN MID-ATLANTIC GEOGRAPHIC ZONE



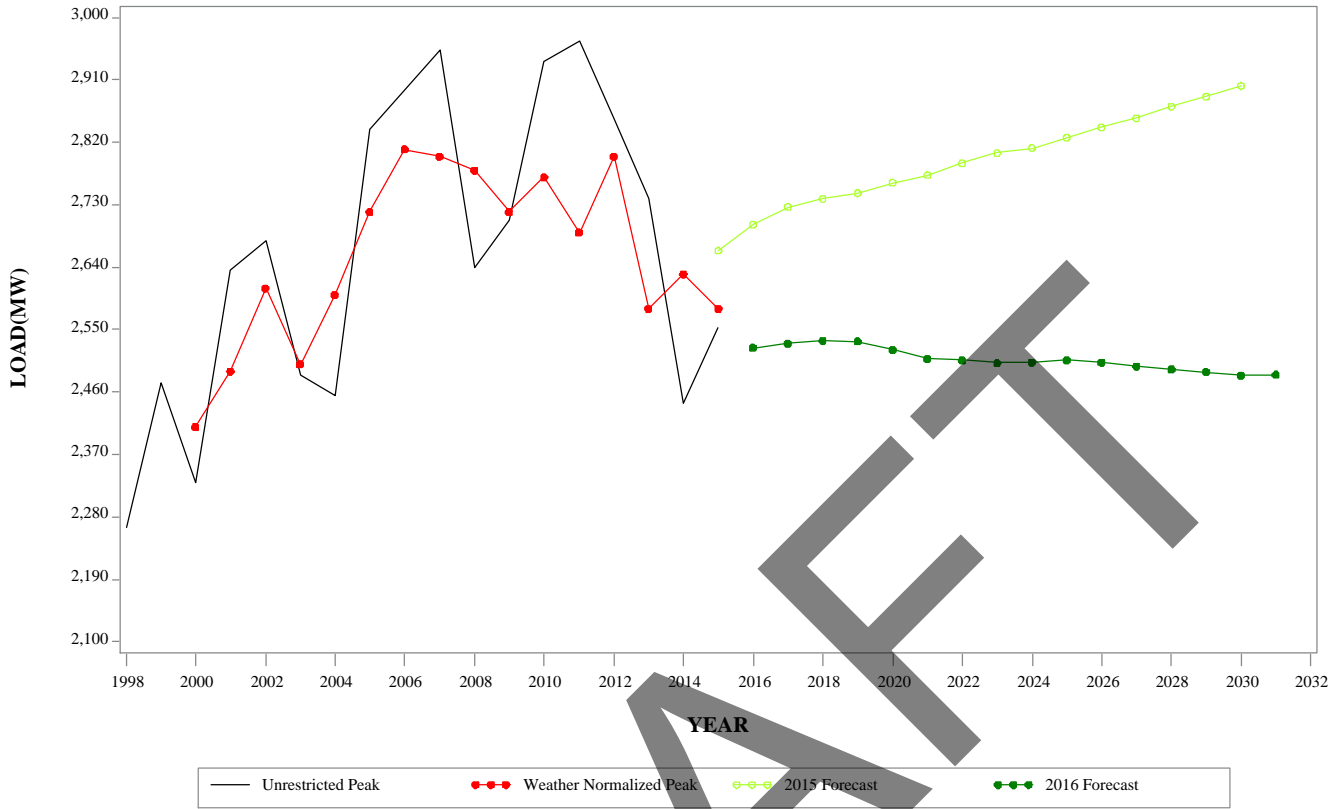
**SUMMER PEAK DEMAND FOR PJM WESTERN  
GEOGRAPHIC ZONE**



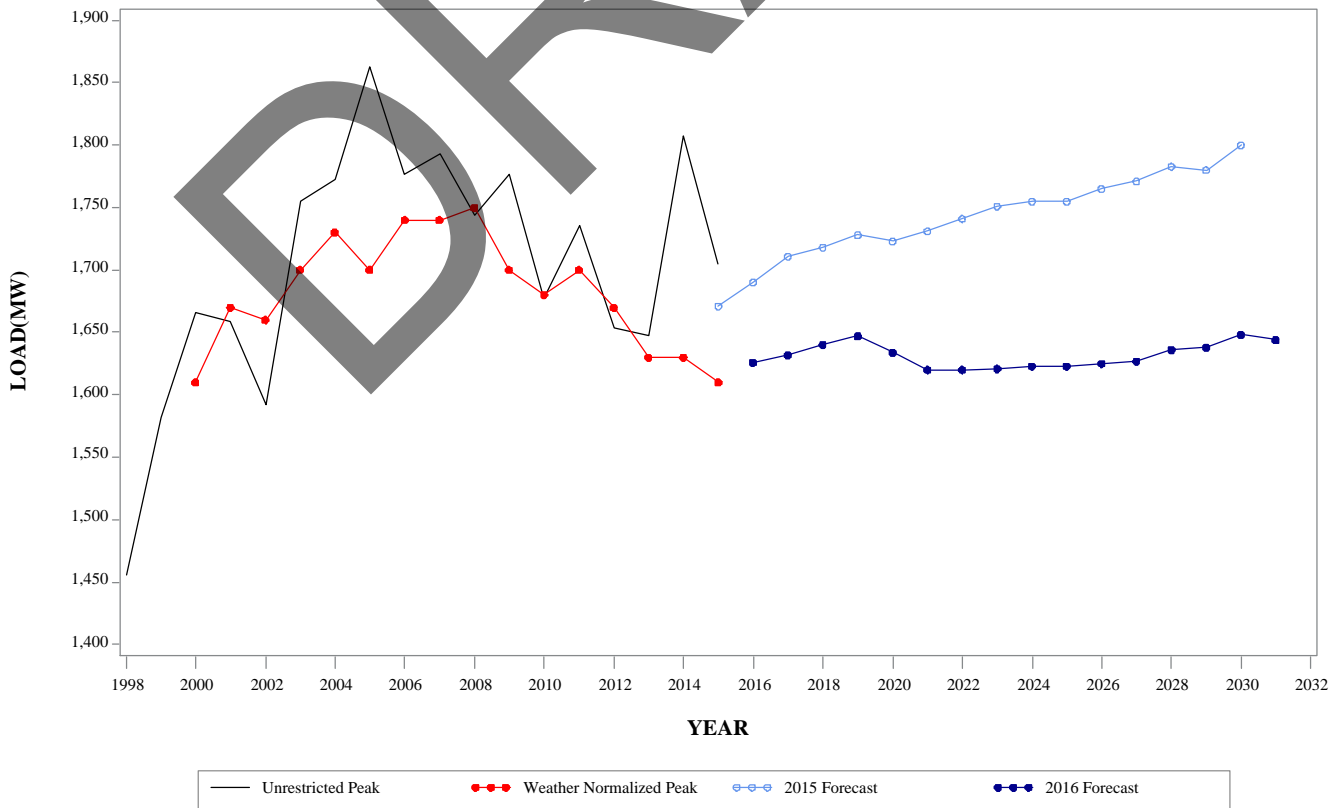
**WINTER PEAK DEMAND FOR PJM WESTERN  
GEOGRAPHIC ZONE**



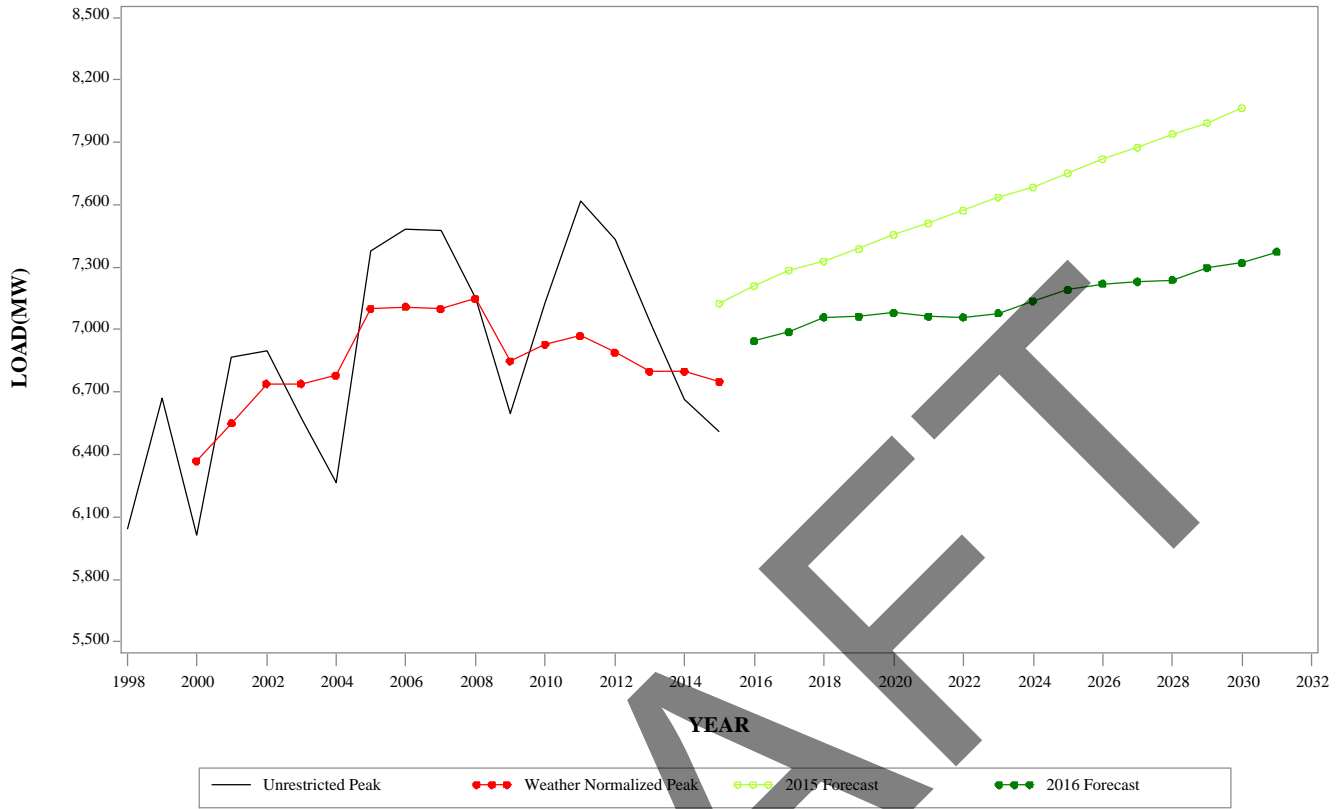
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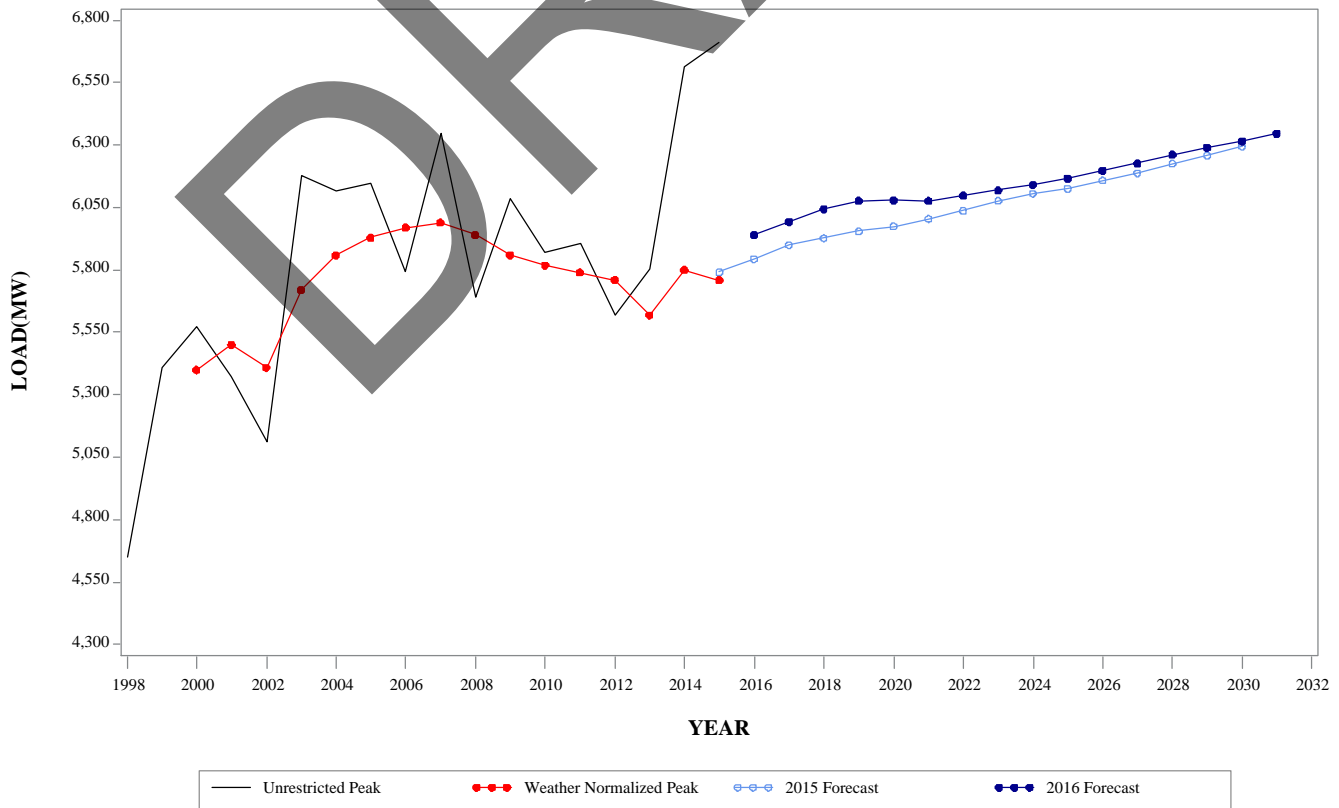
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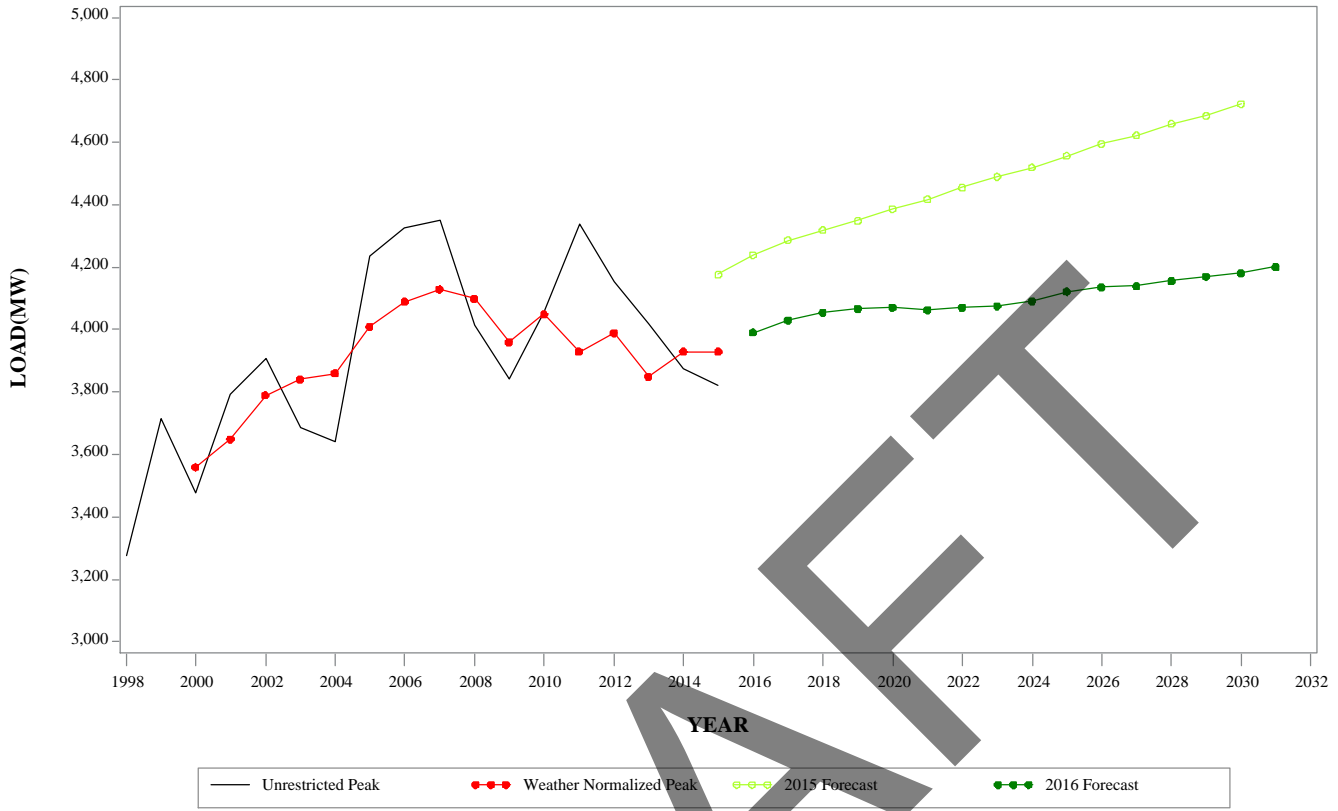
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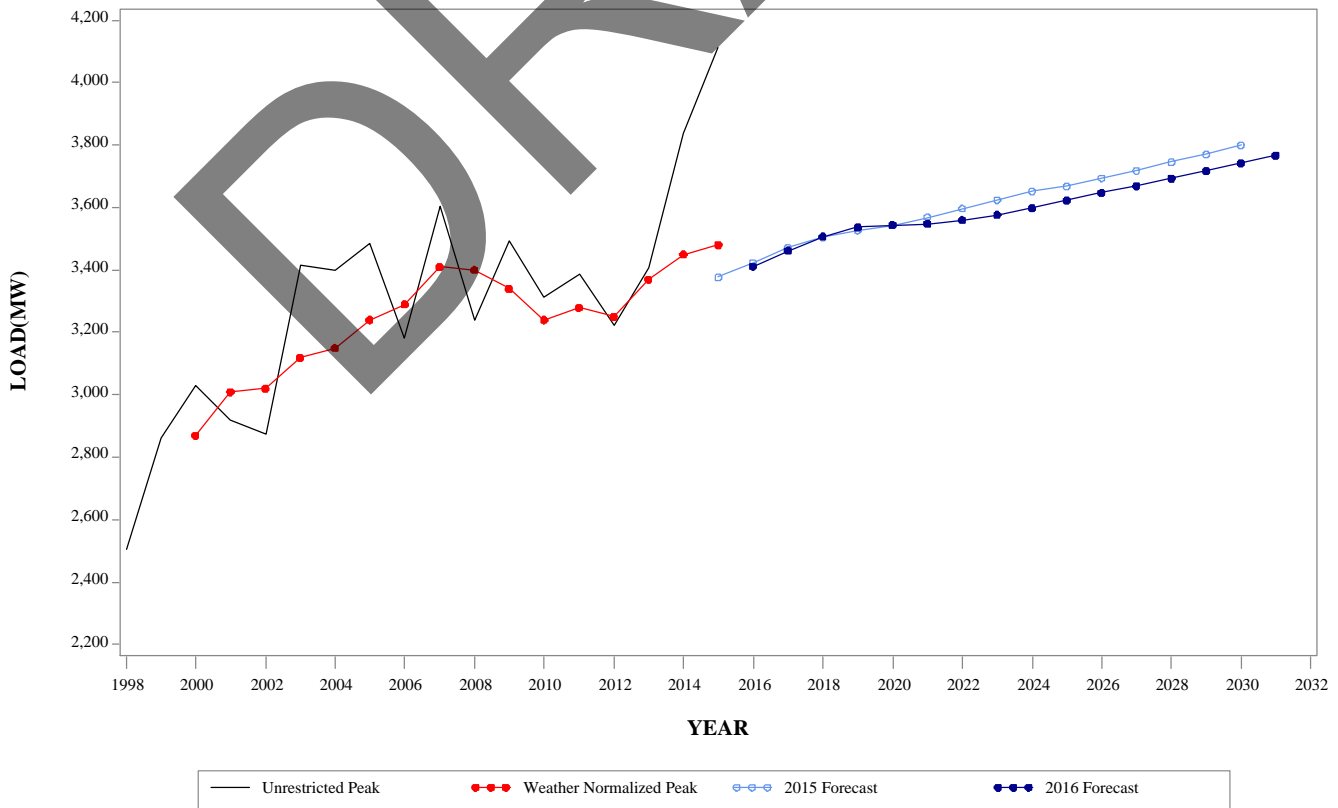
### WINTER PEAK DEMAND FOR BGE GEOGRAPHIC ZONE



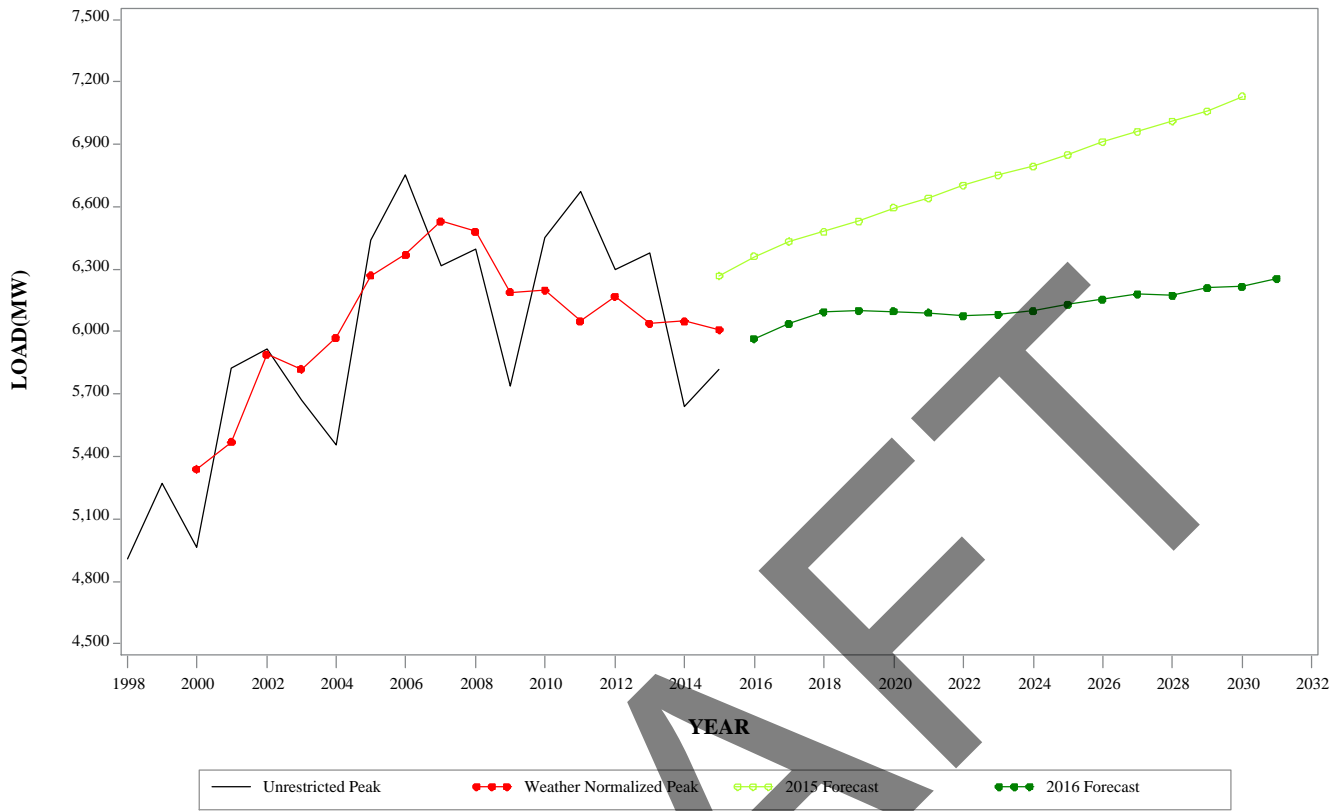
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GEOGRAPHIC ZONE**



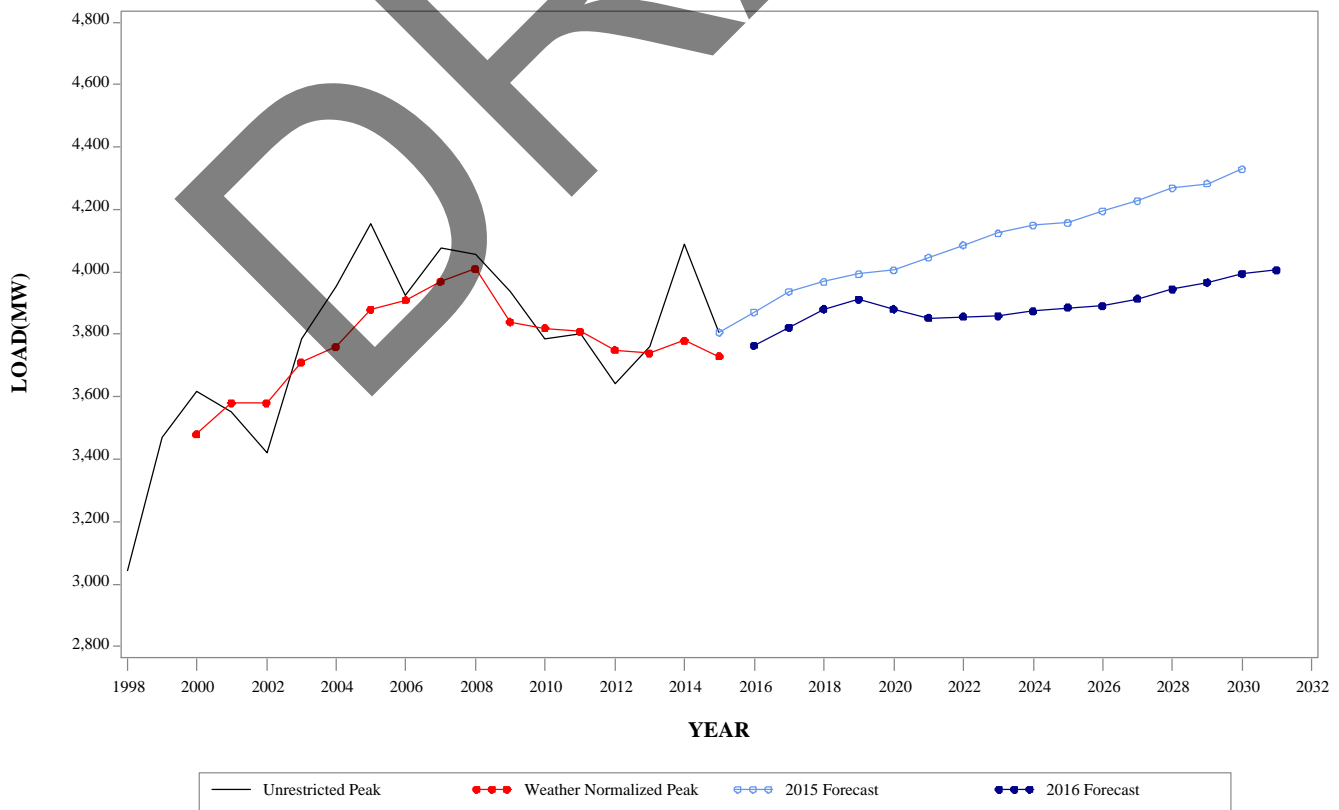
**WINTER PEAK DEMAND FOR DPL  
GEOGRAPHIC ZONE**



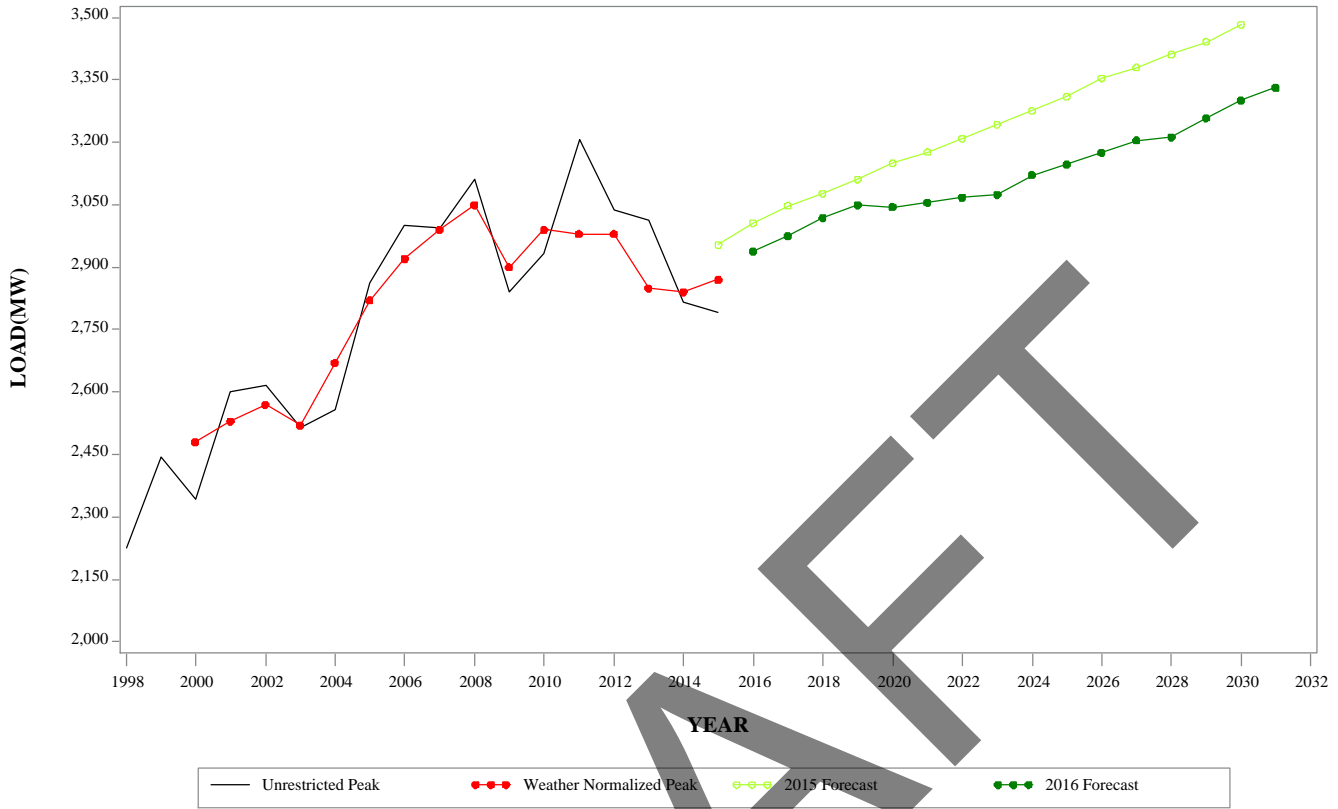
**SUMMER PEAK DEMAND FOR JCPL  
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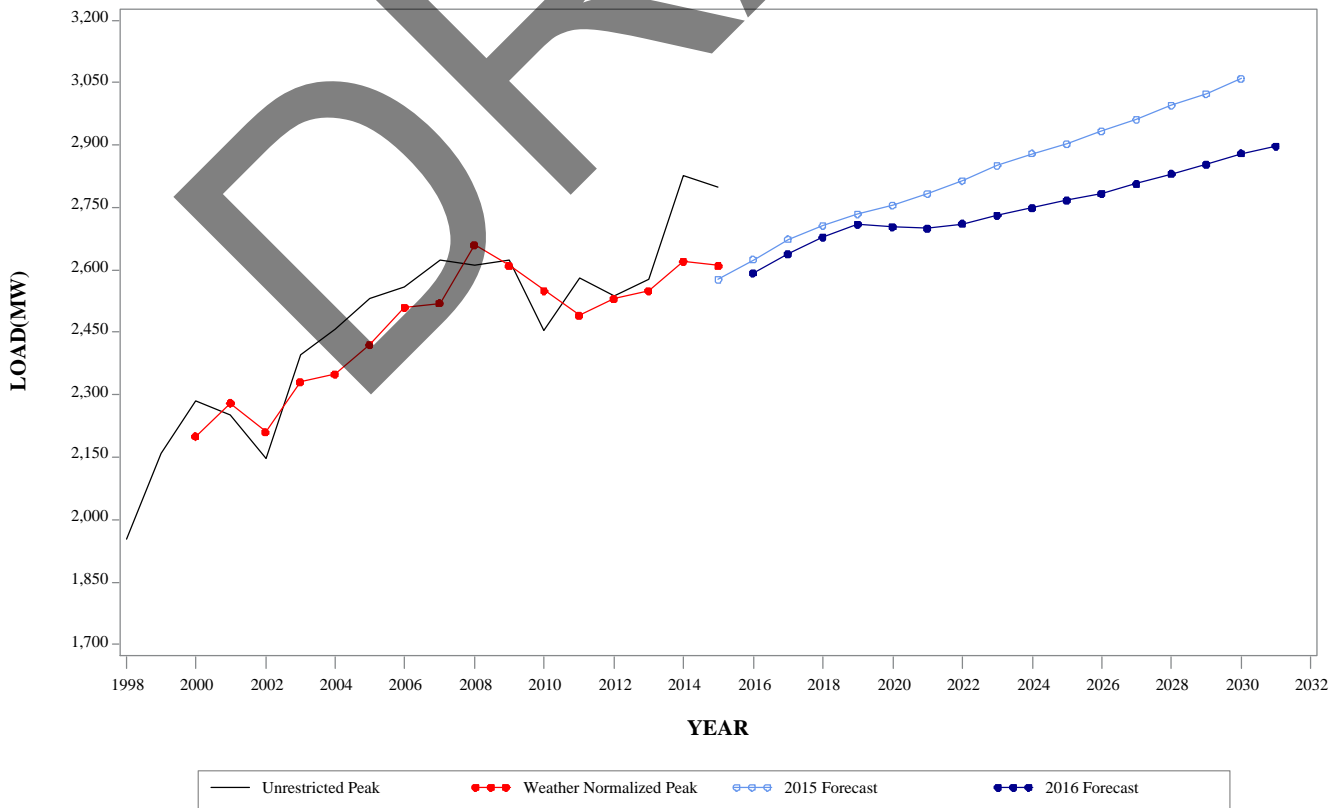
**WINTER PEAK DEMAND FOR JCPL  
GEOGRAPHIC ZONE**



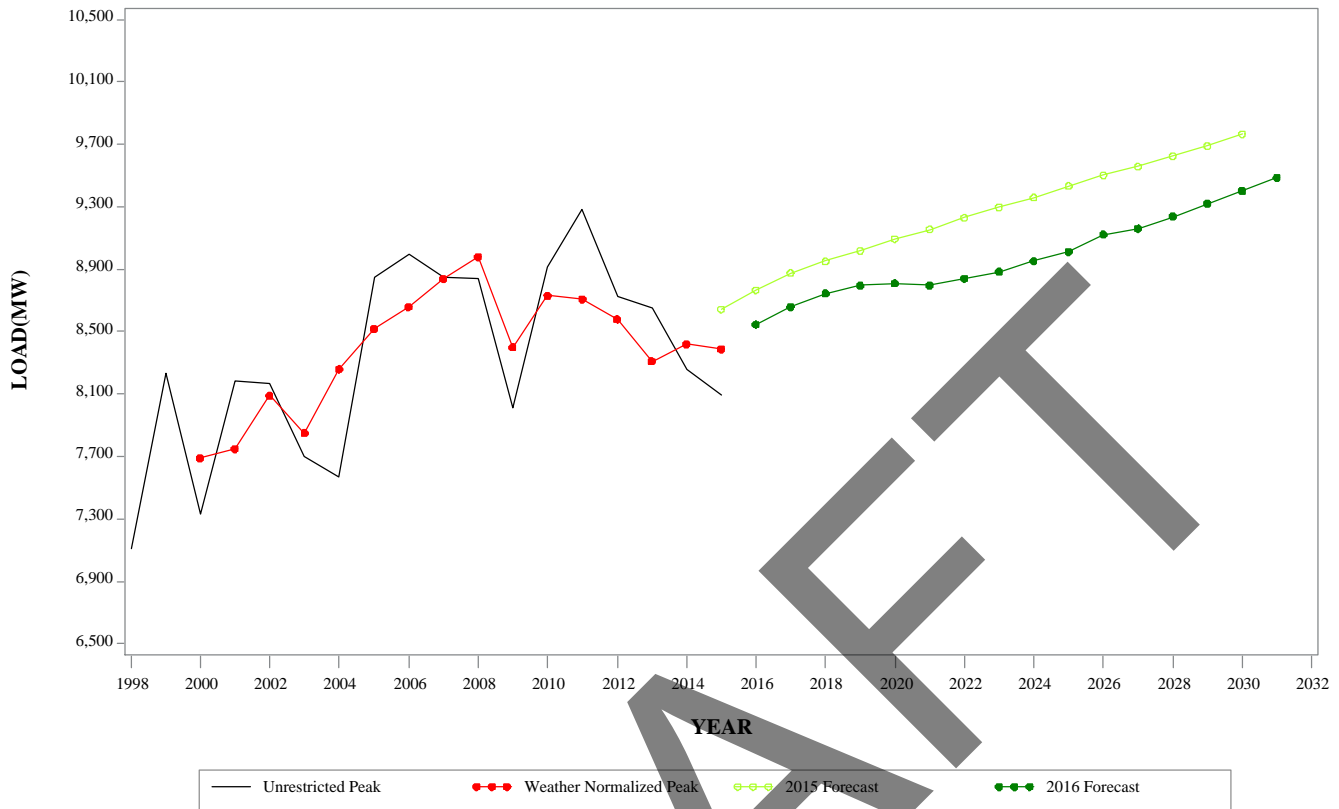
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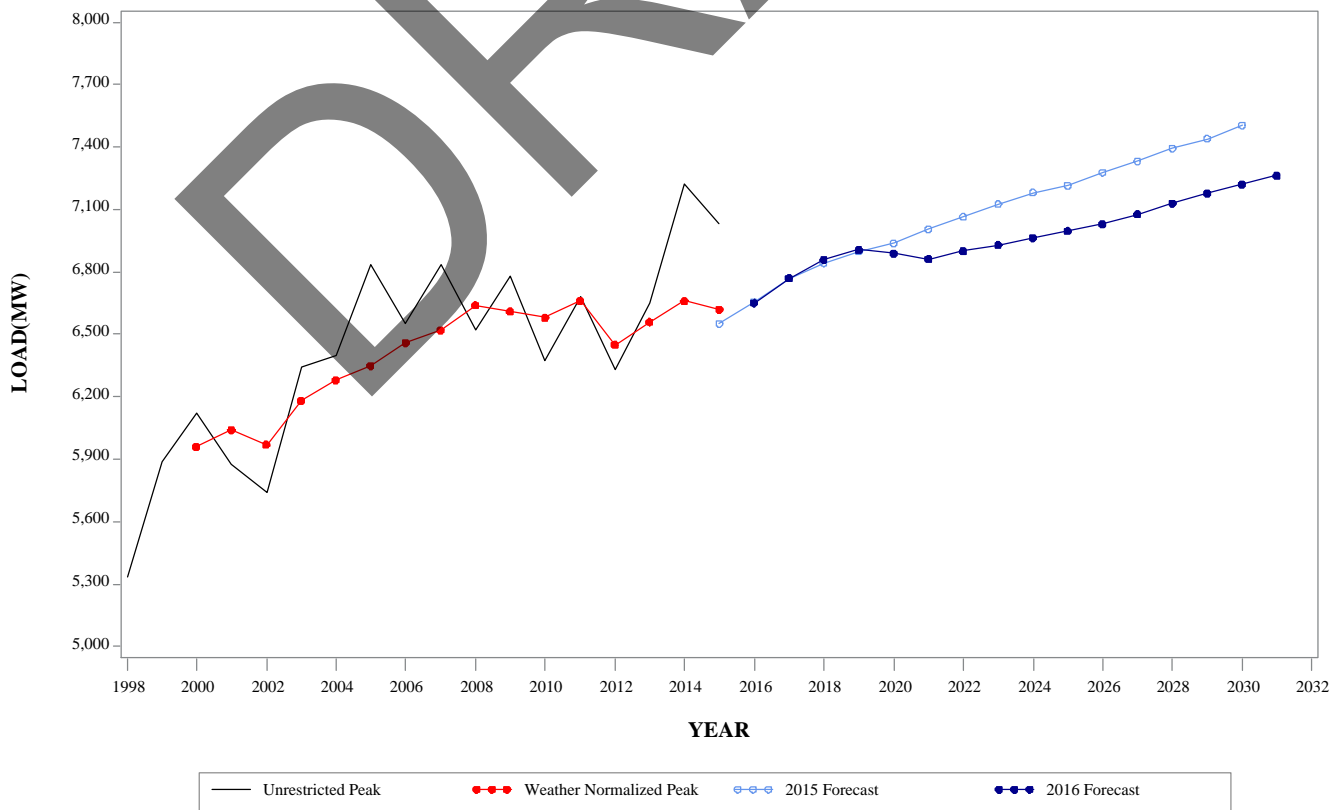
**WINTER PEAK DEMAND FOR METED  
GEOGRAPHIC ZONE**



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GEOGRAPHIC ZONE**

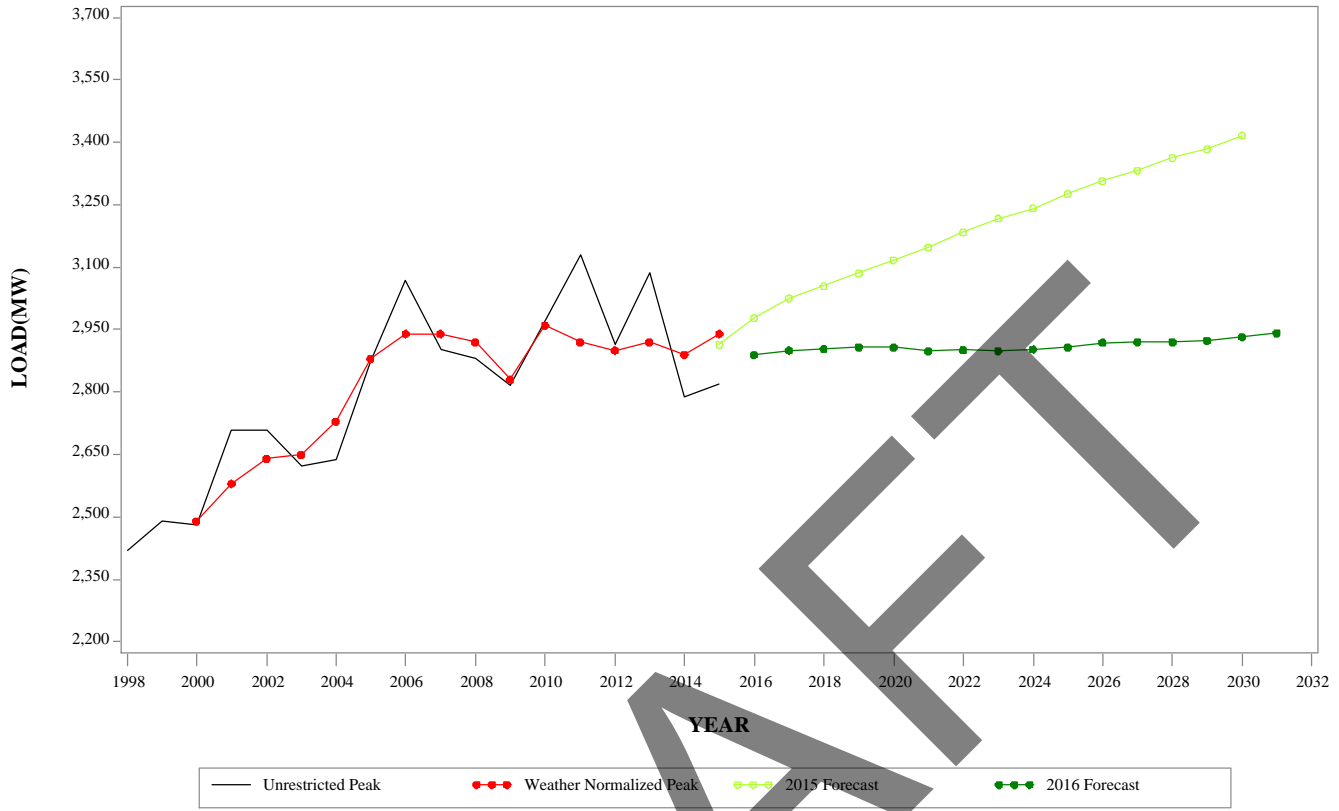


**WINTER PEAK DEMAND FOR PECO  
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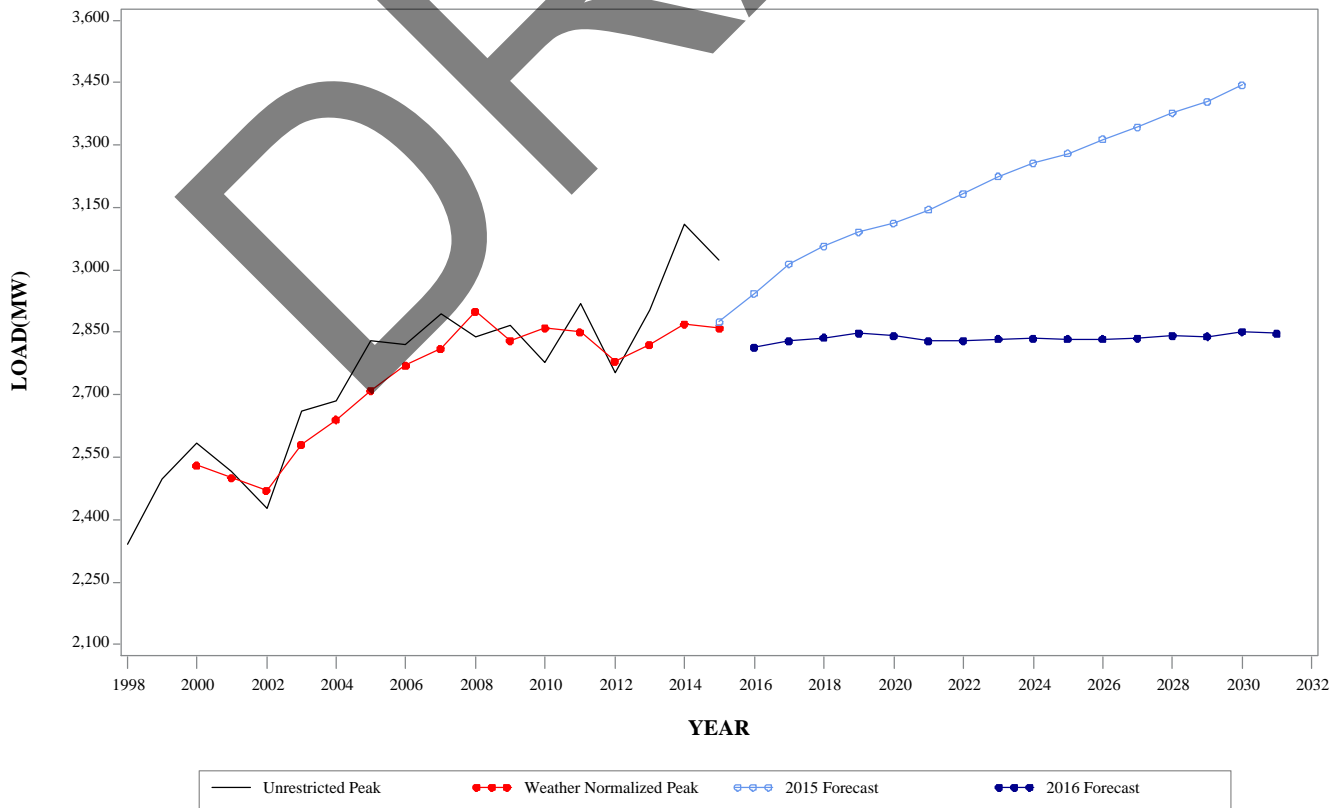




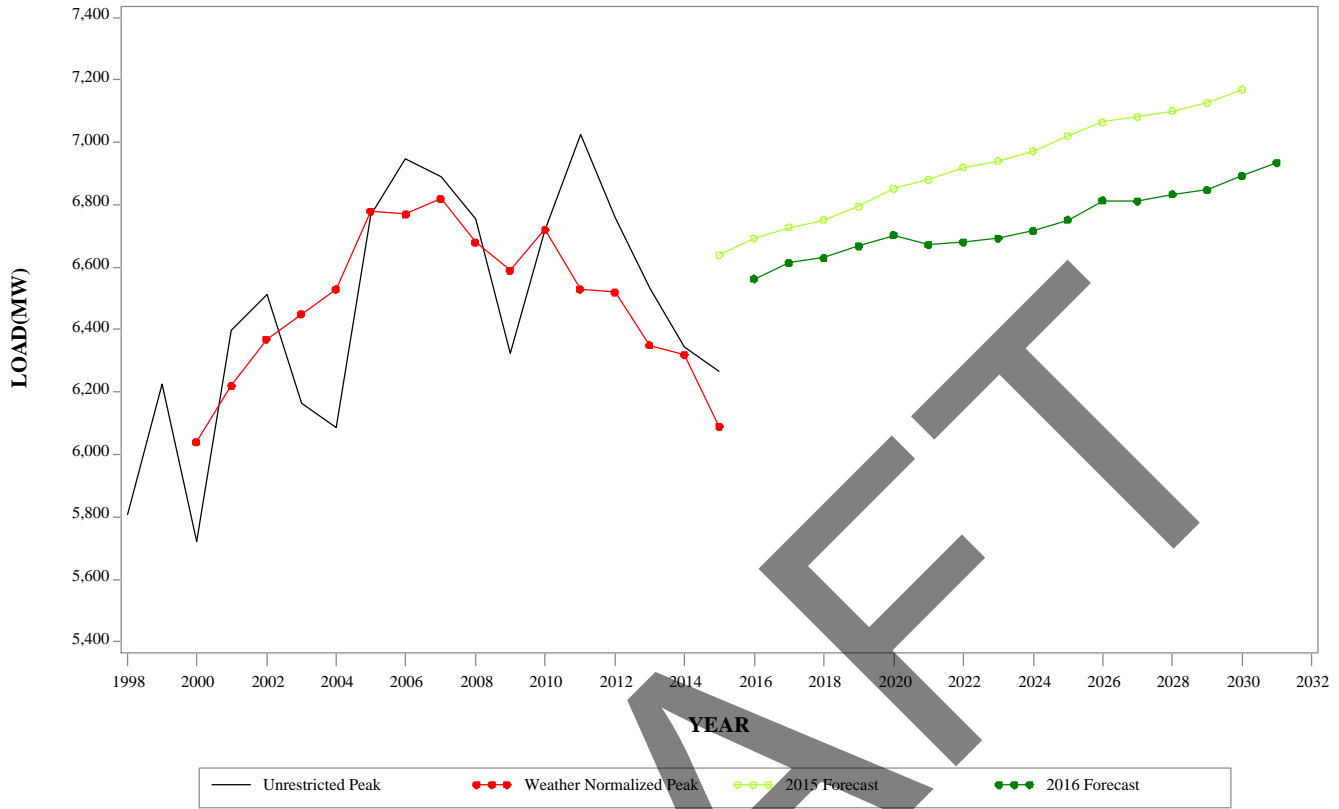
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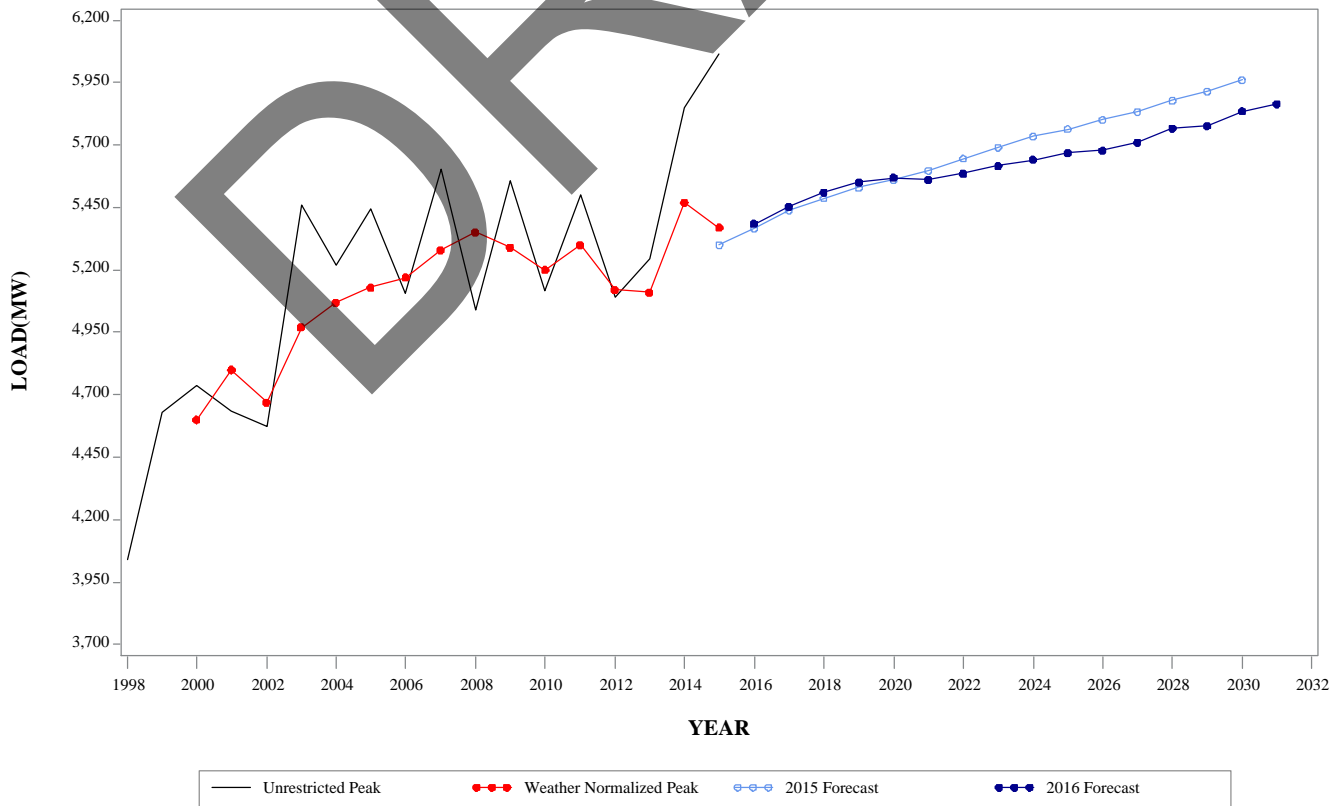
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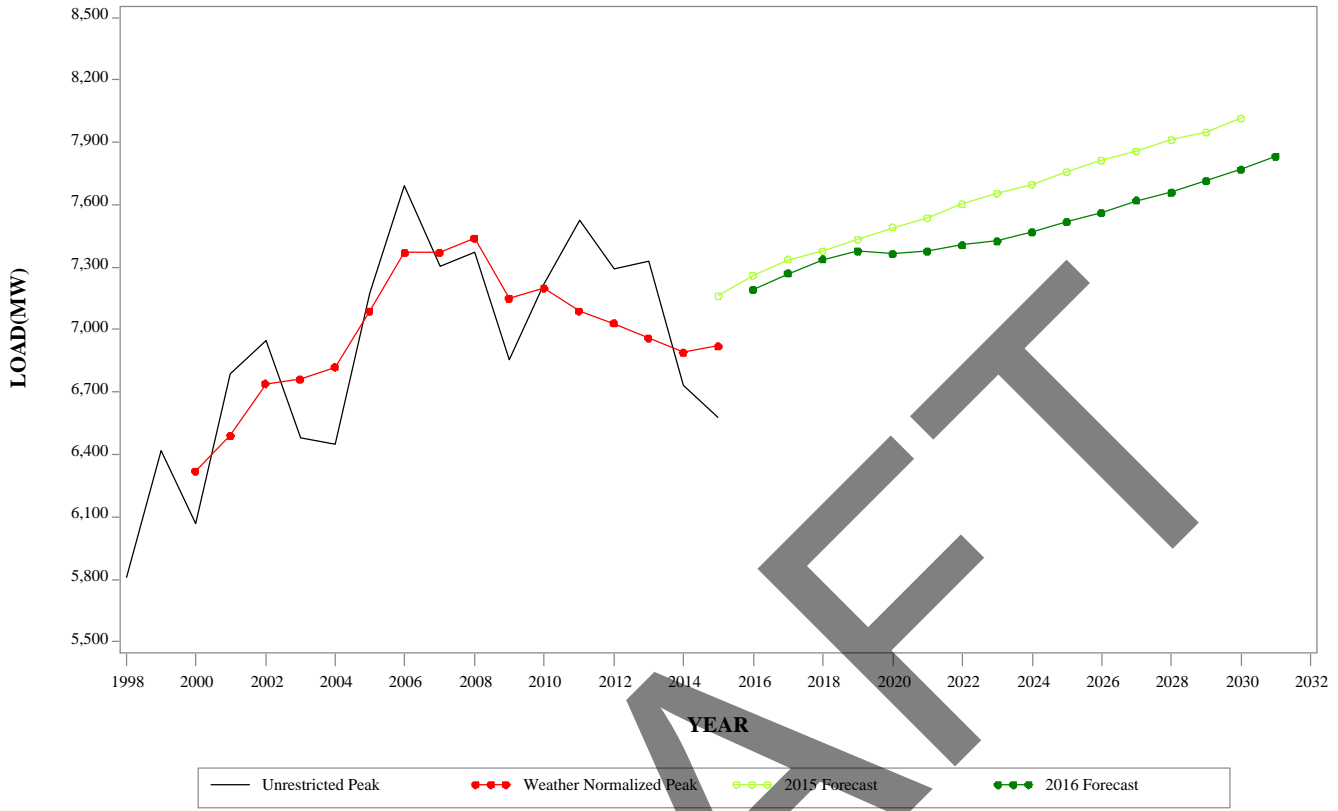
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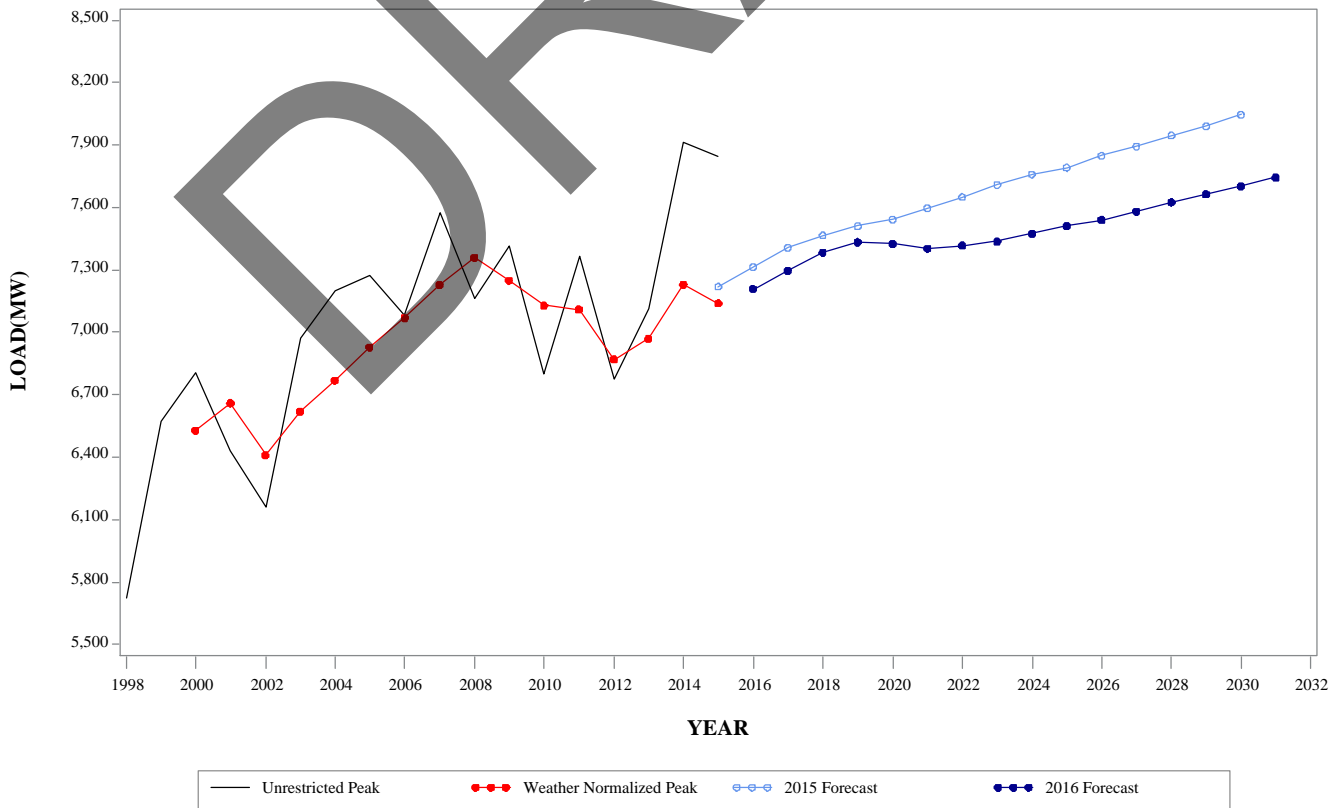
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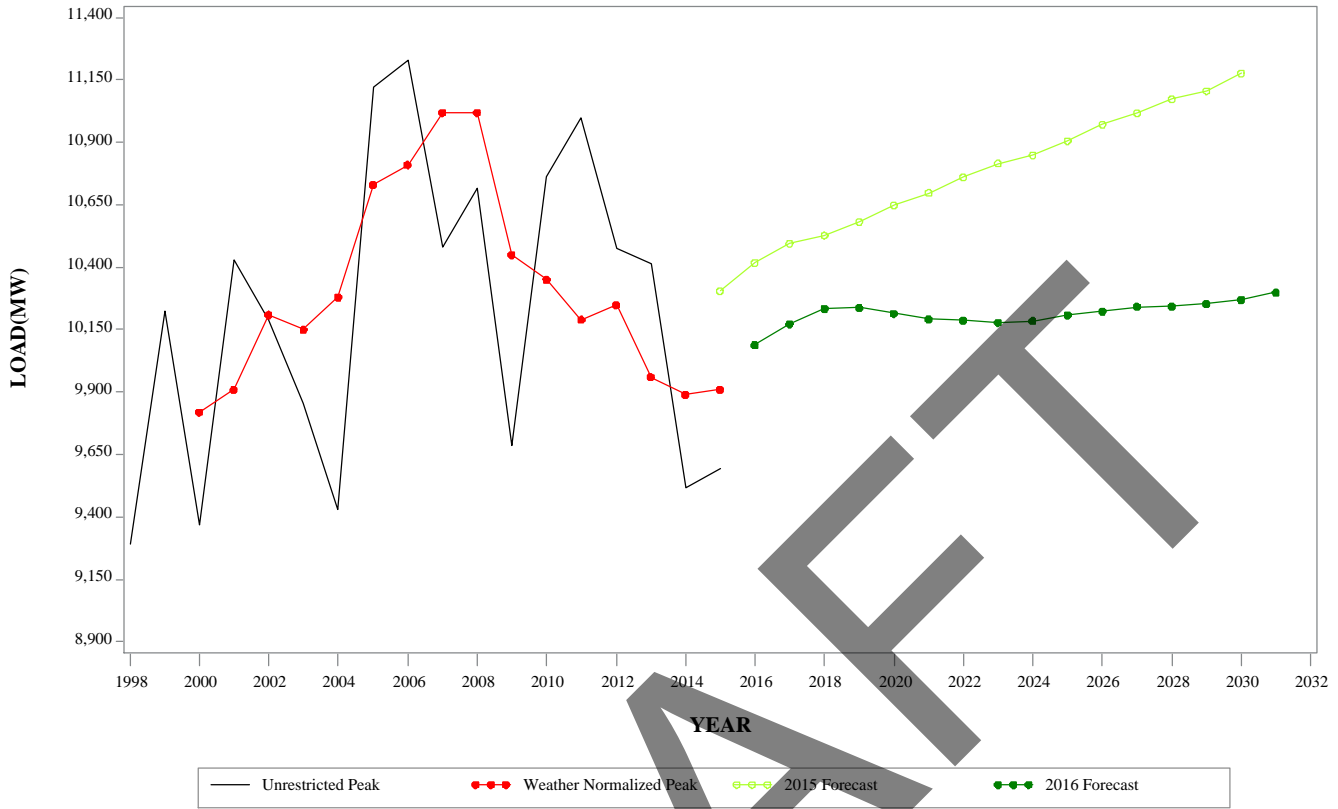
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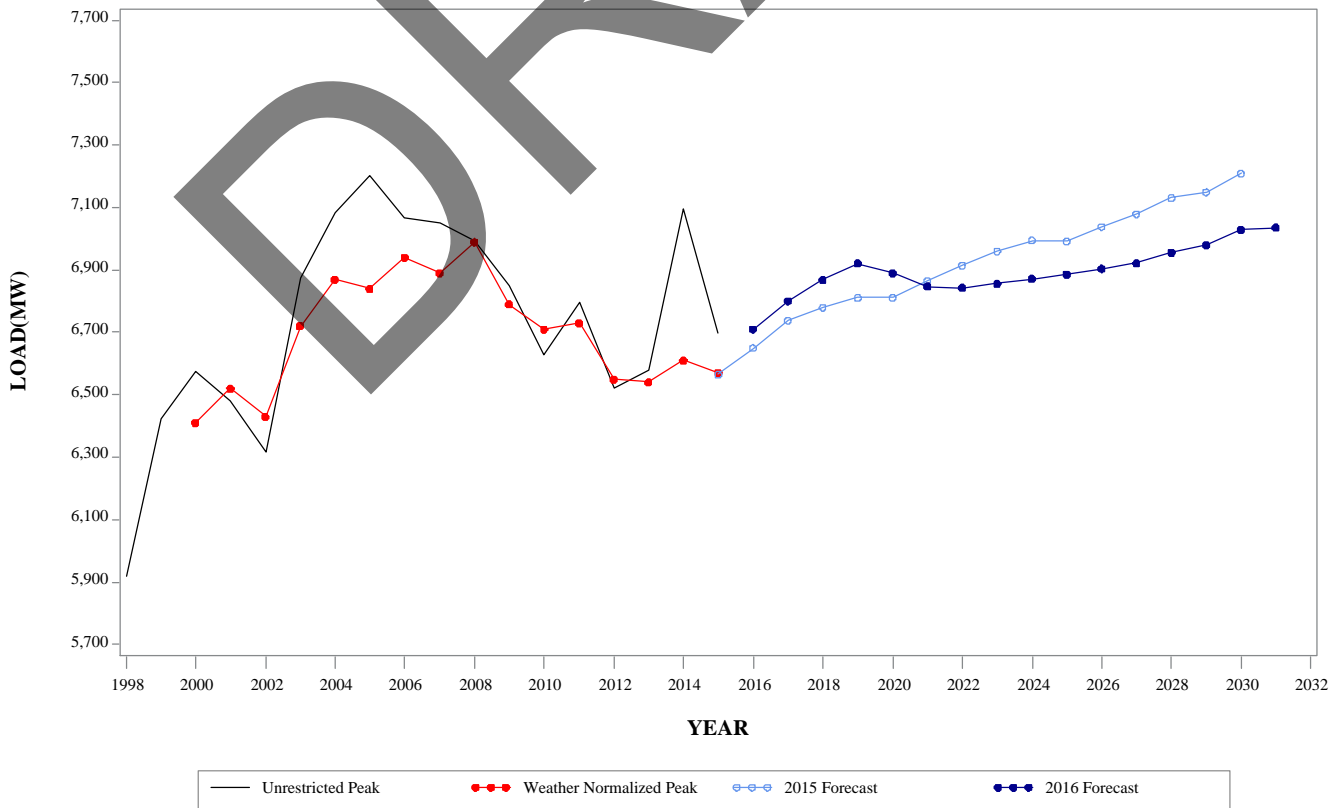
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GEOGRAPHIC ZONE**



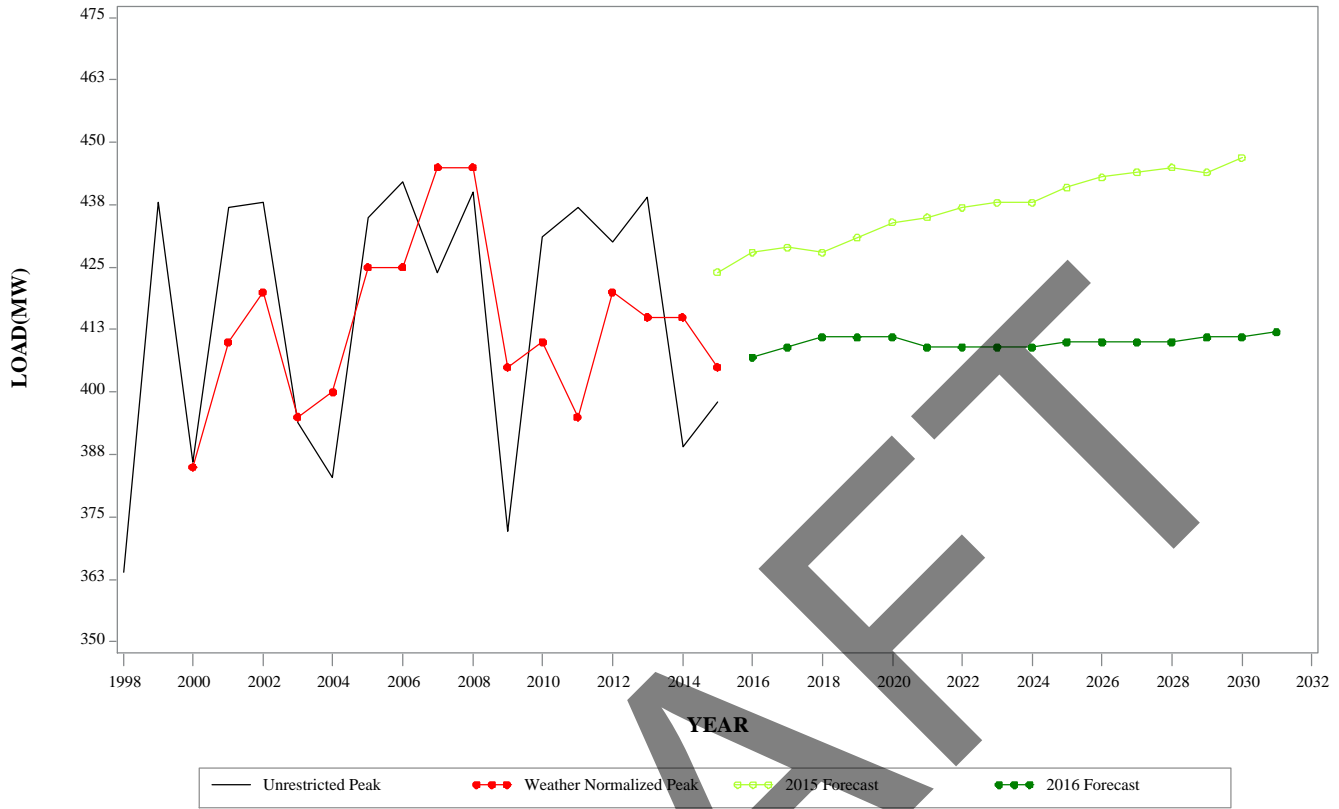
**SUMMER PEAK DEMAND FOR PS  
GEOGRAPHIC ZONE**



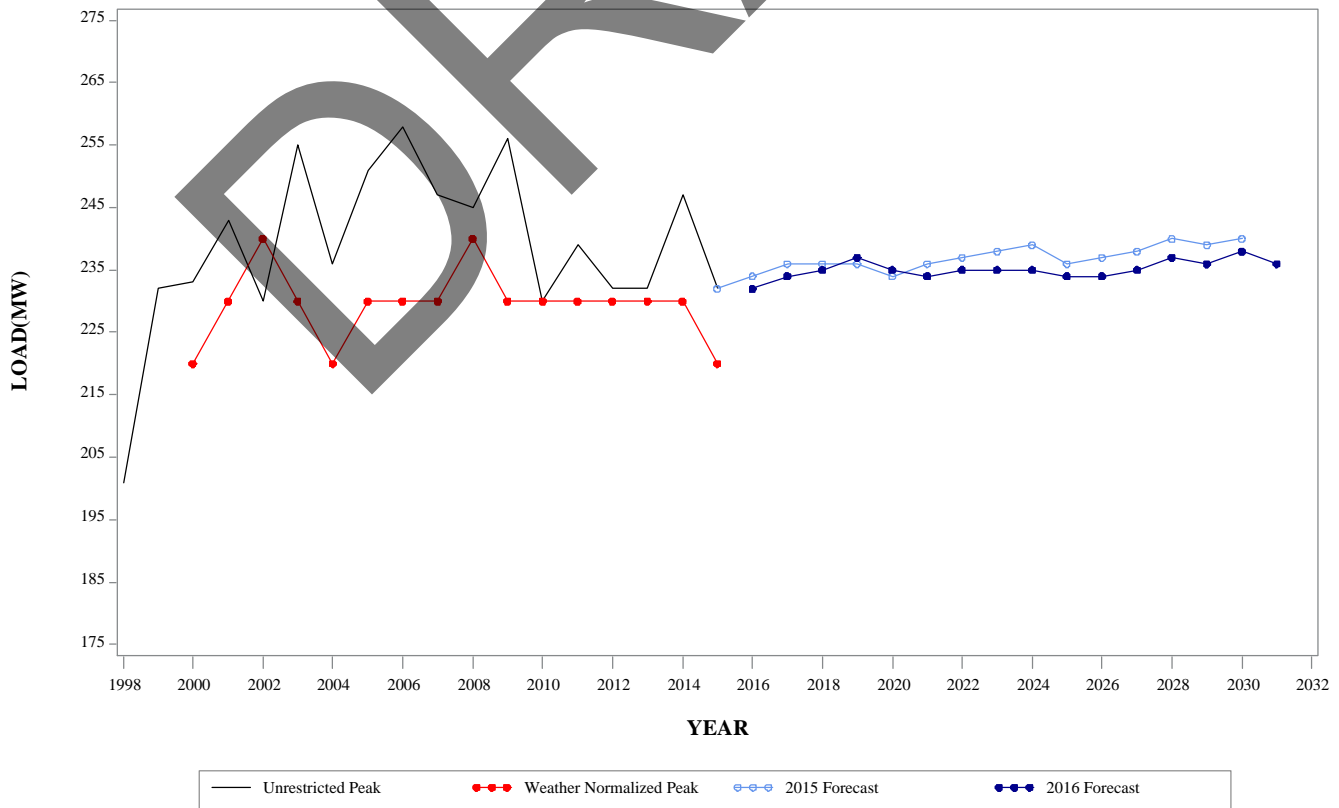
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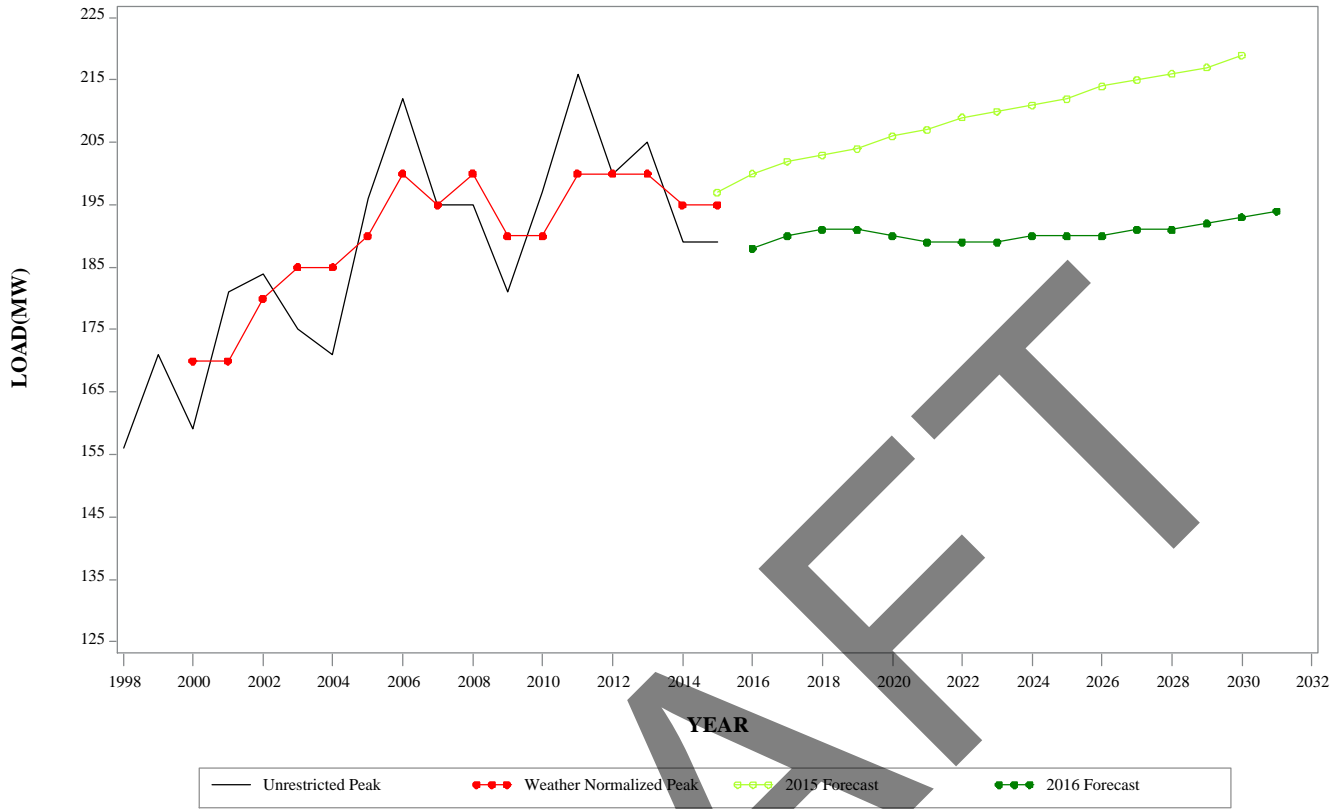
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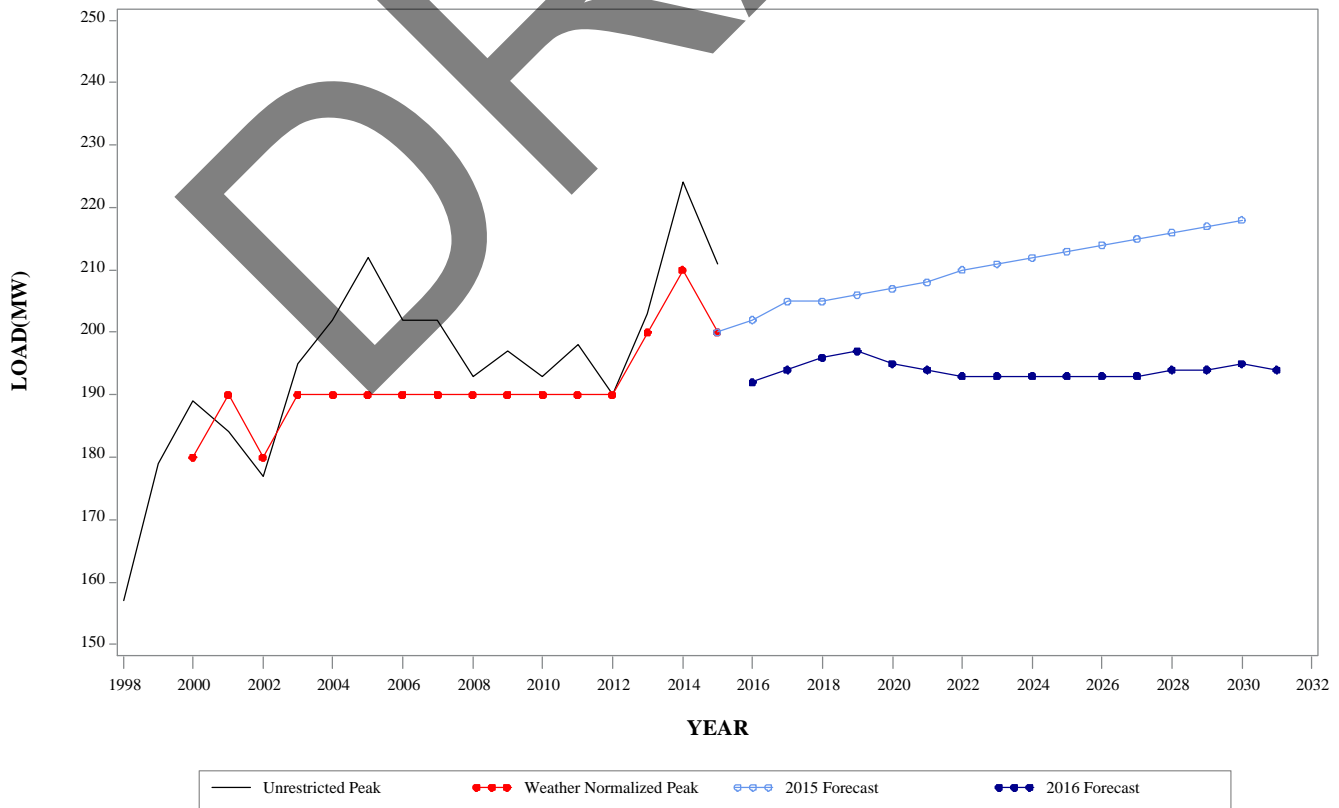
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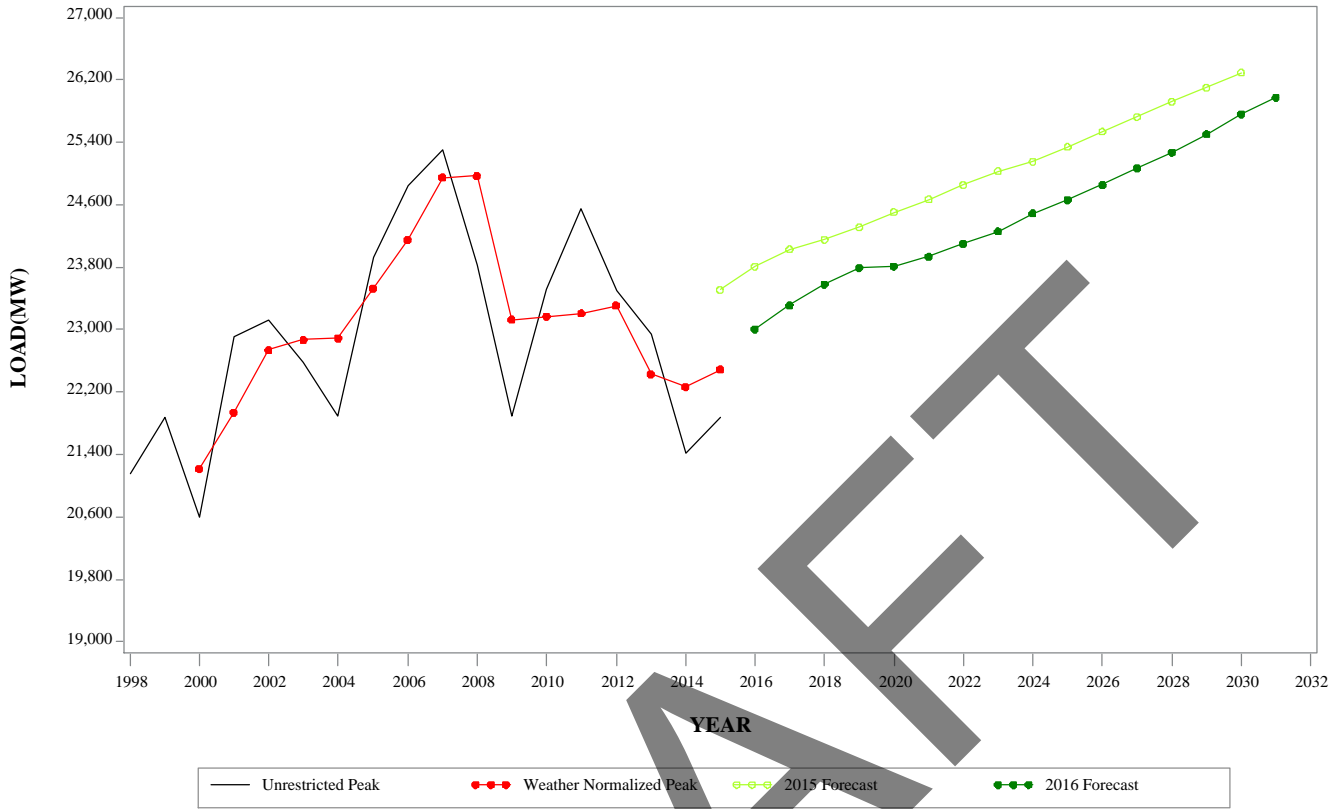
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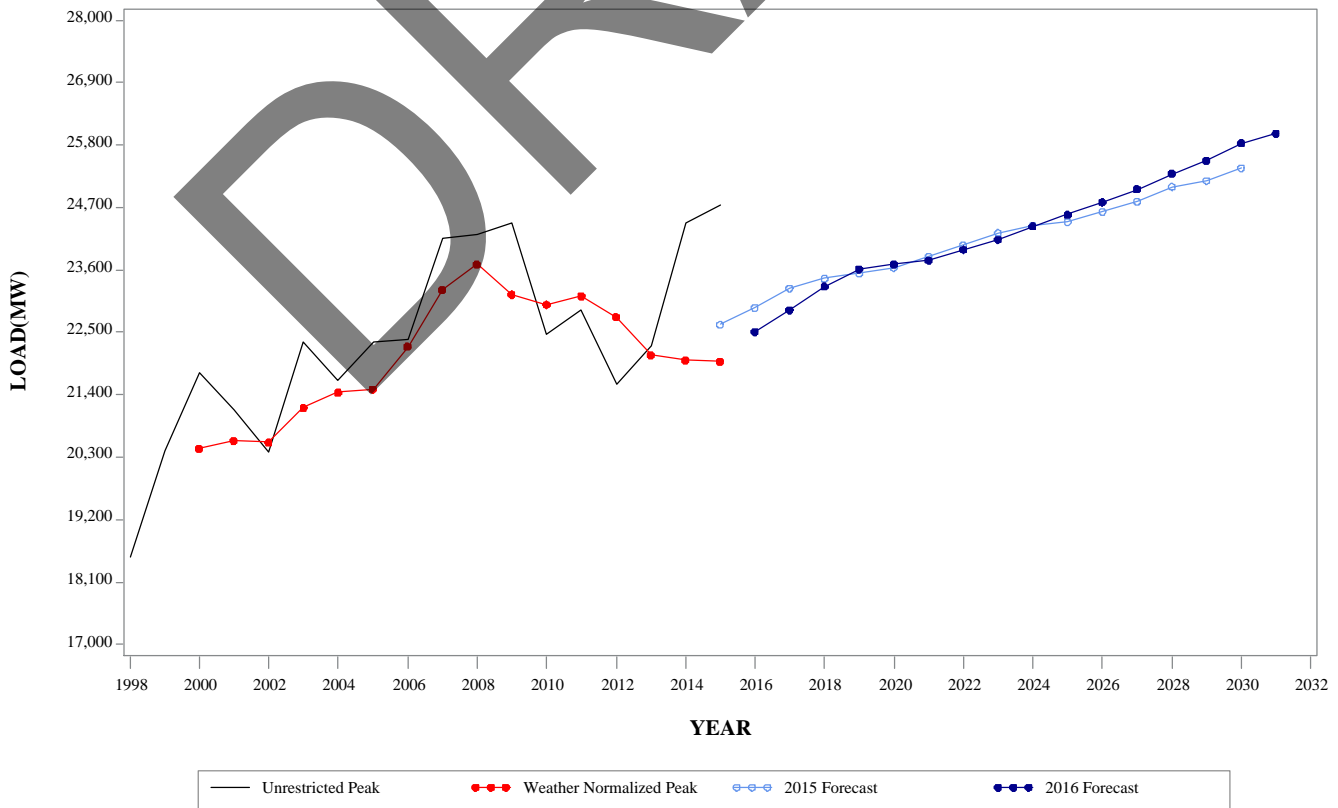
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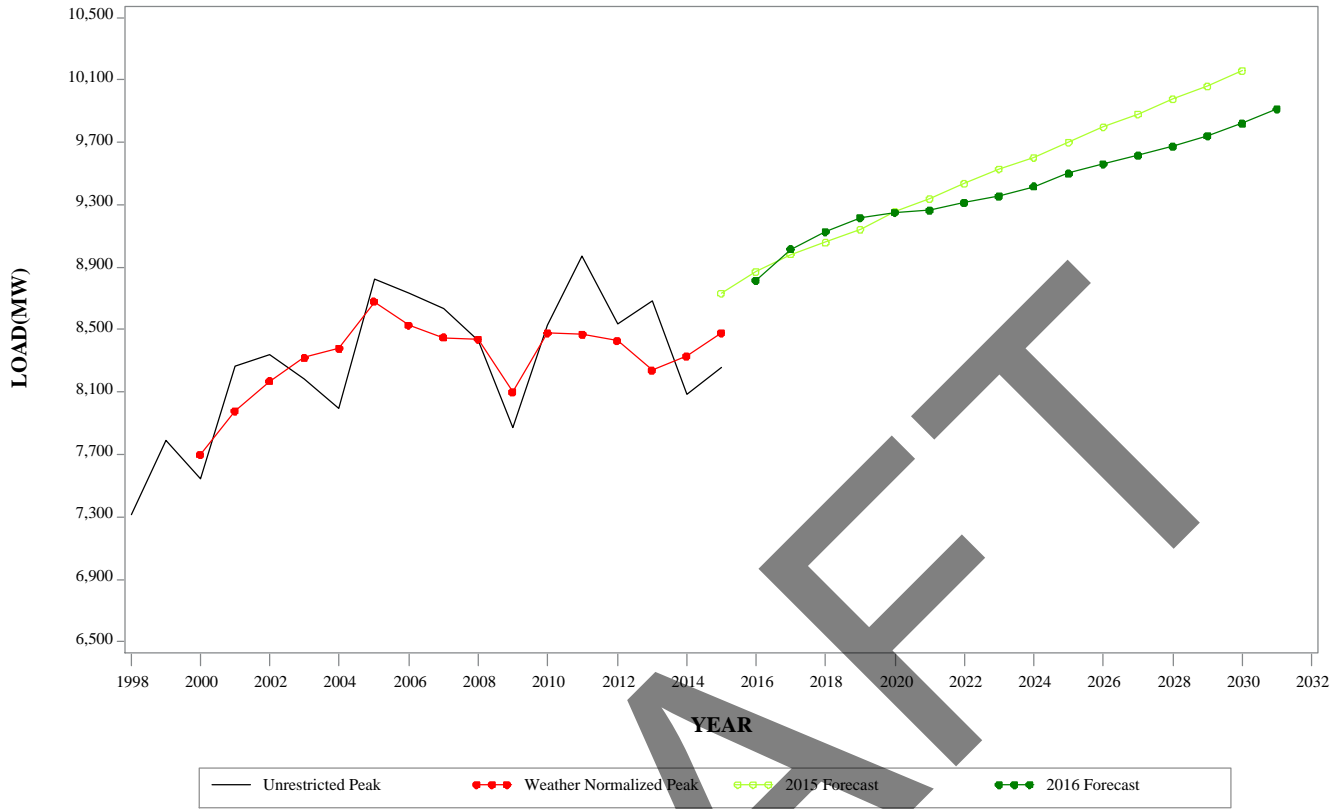
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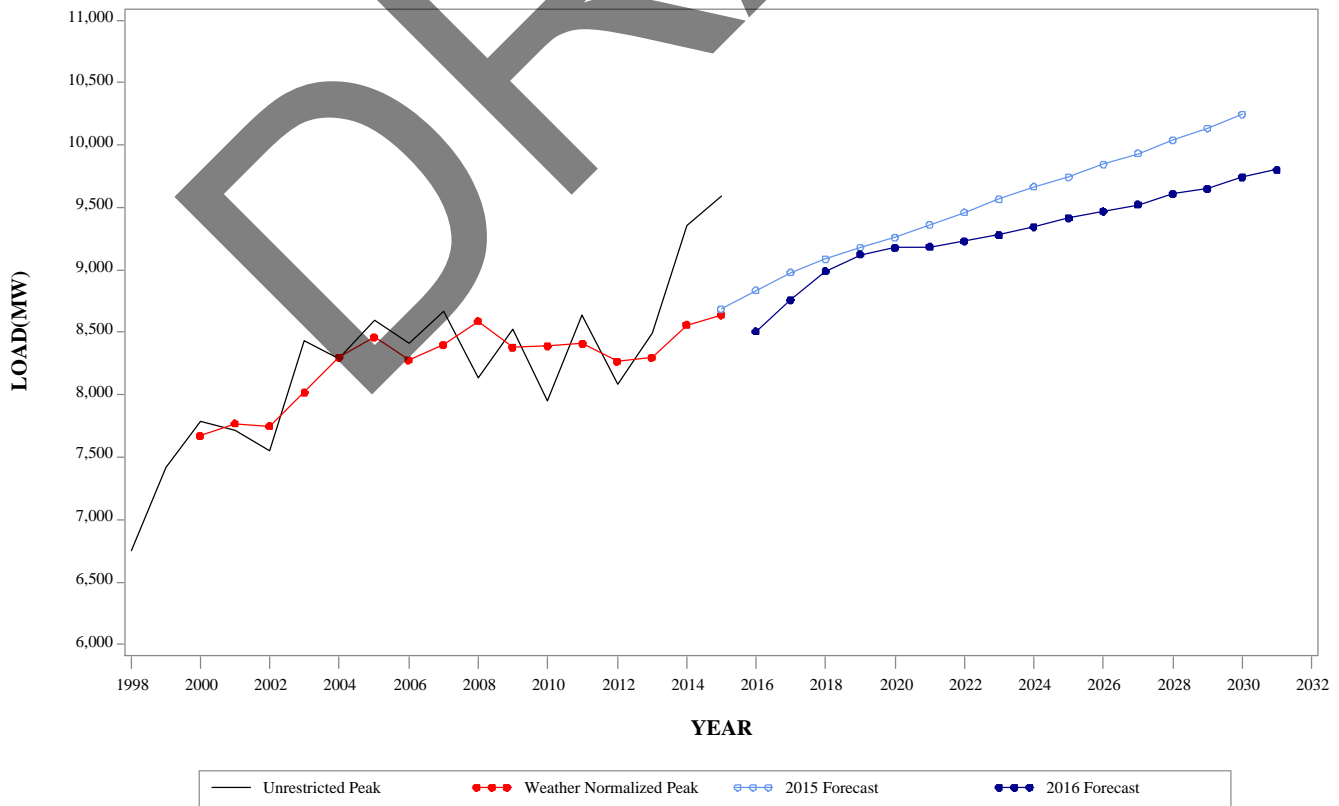
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**SUMMER PEAK DEMAND FOR APS  
GEOGRAPHIC ZONE**

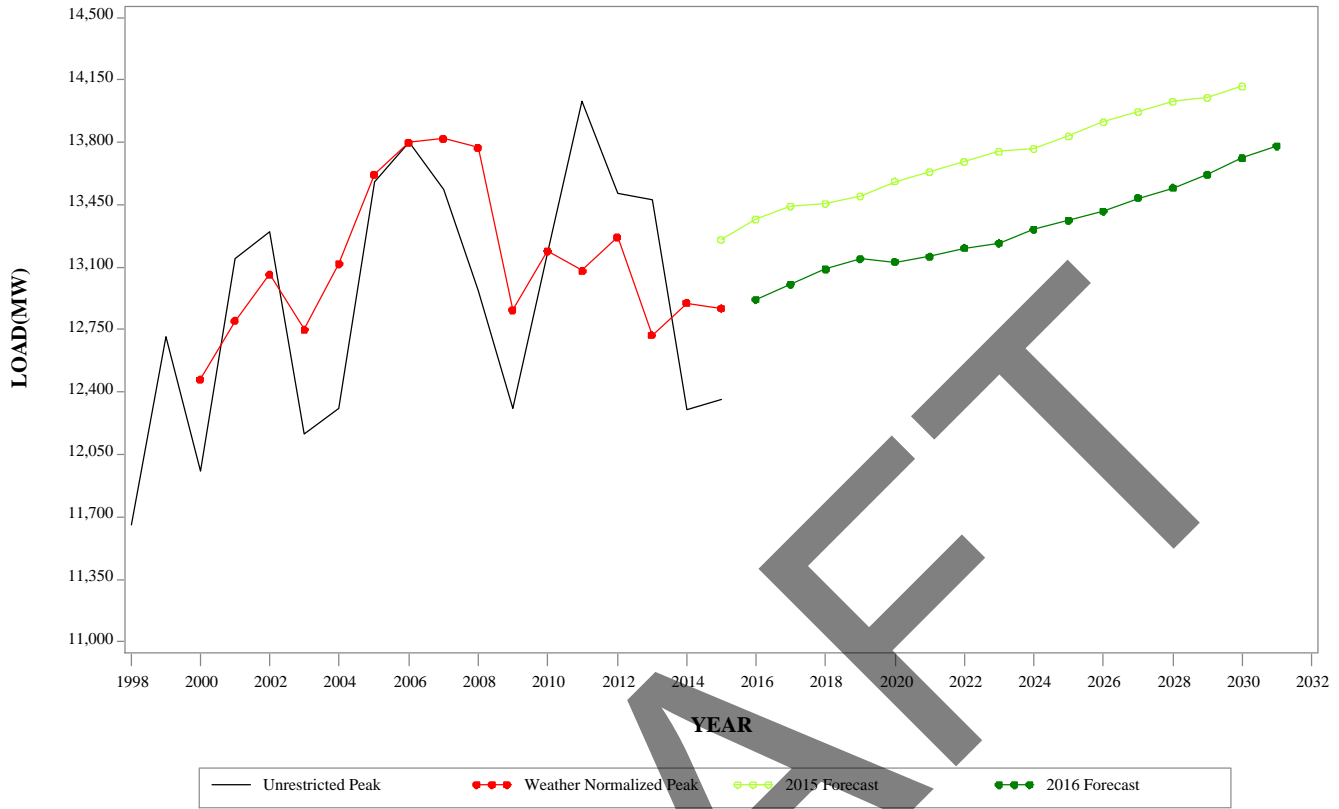


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GEOGRAPHIC ZONE**

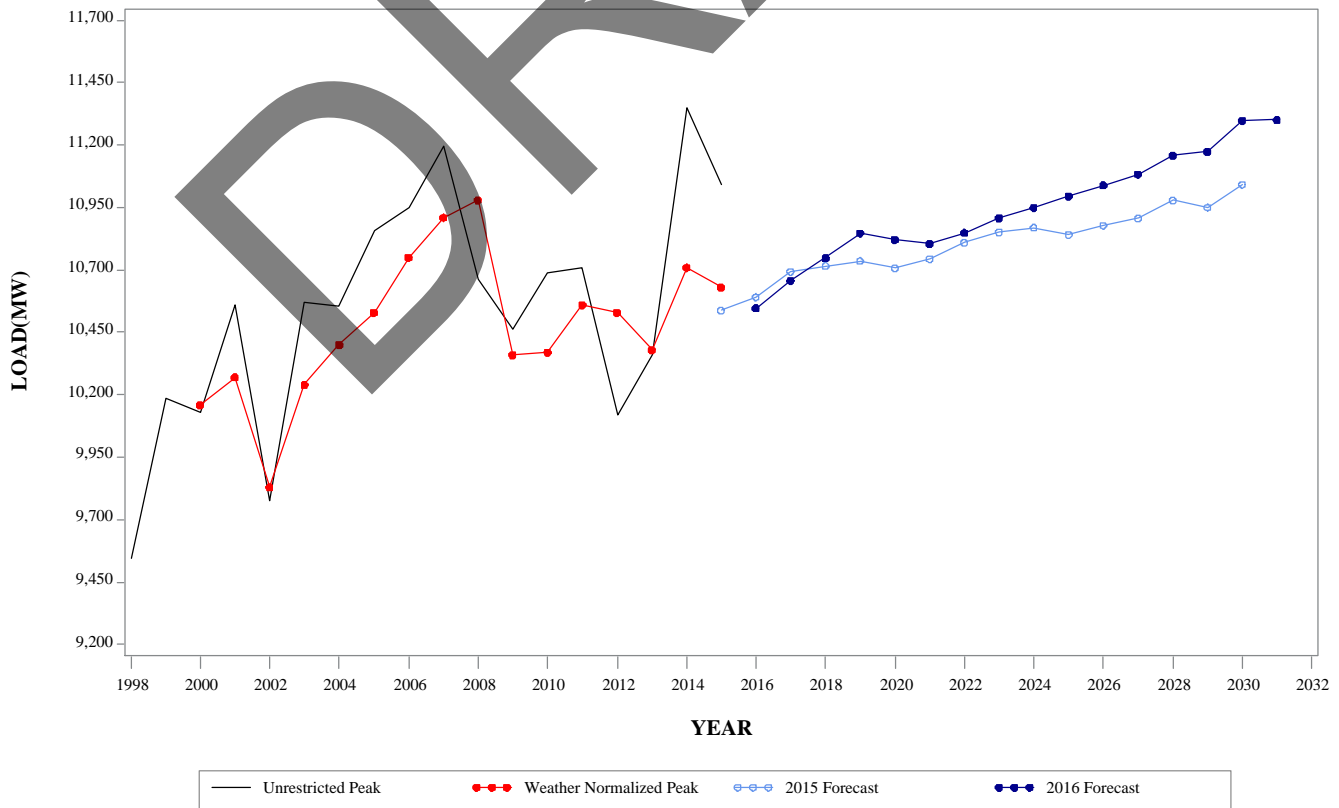




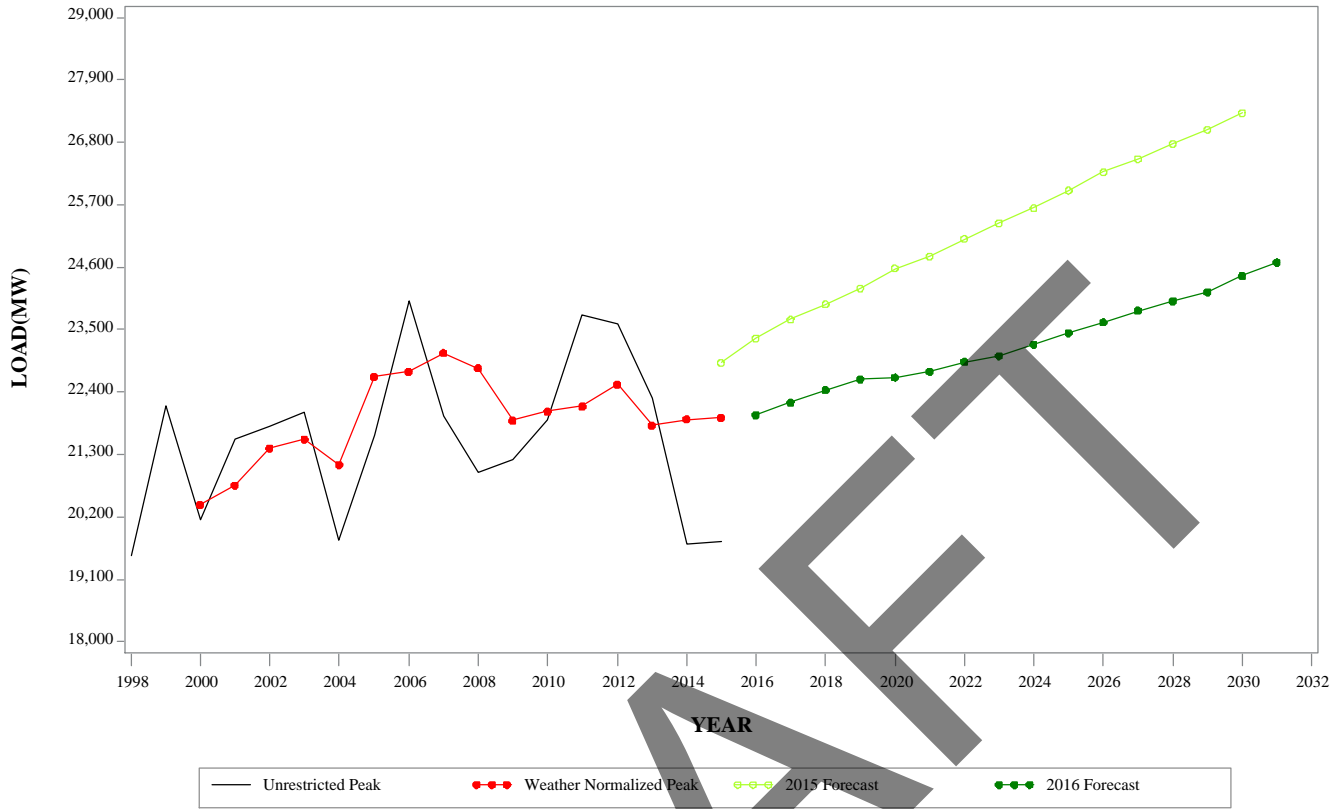
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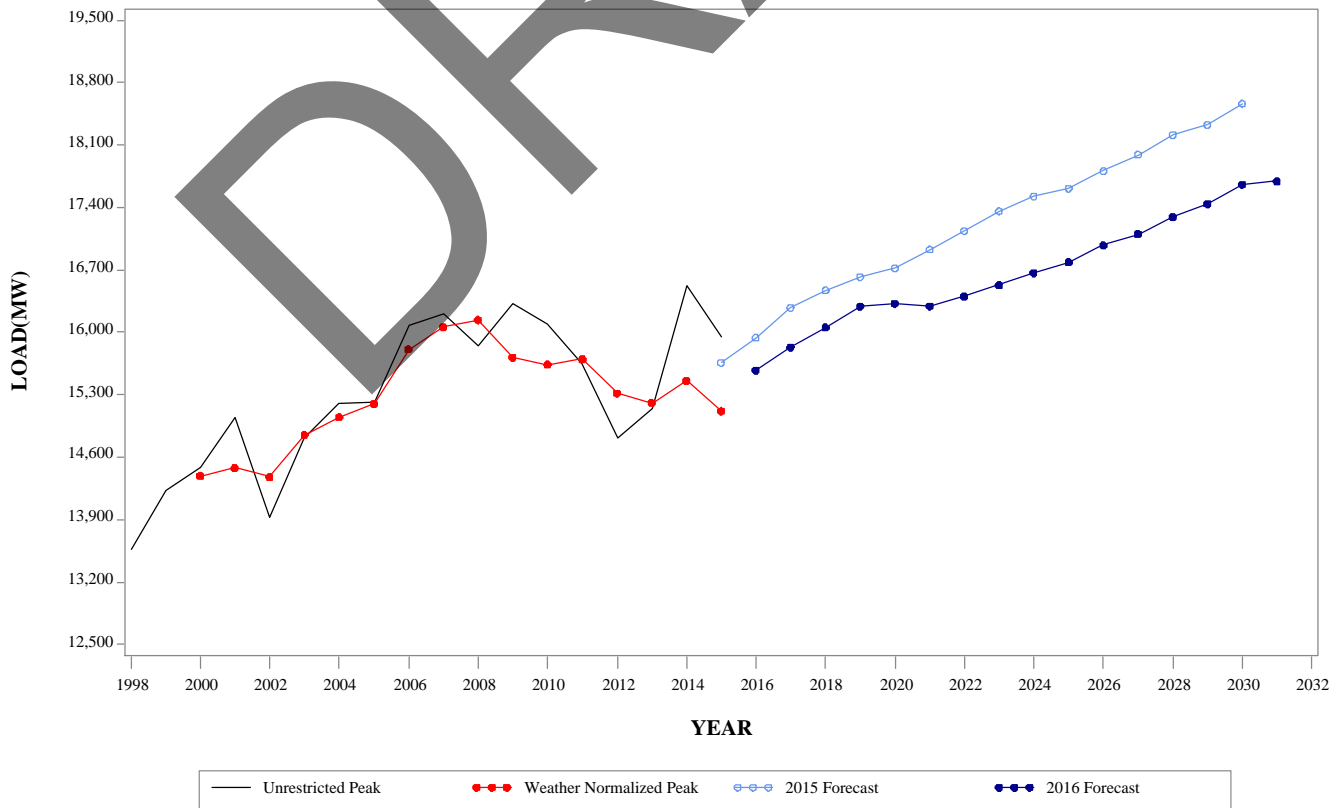
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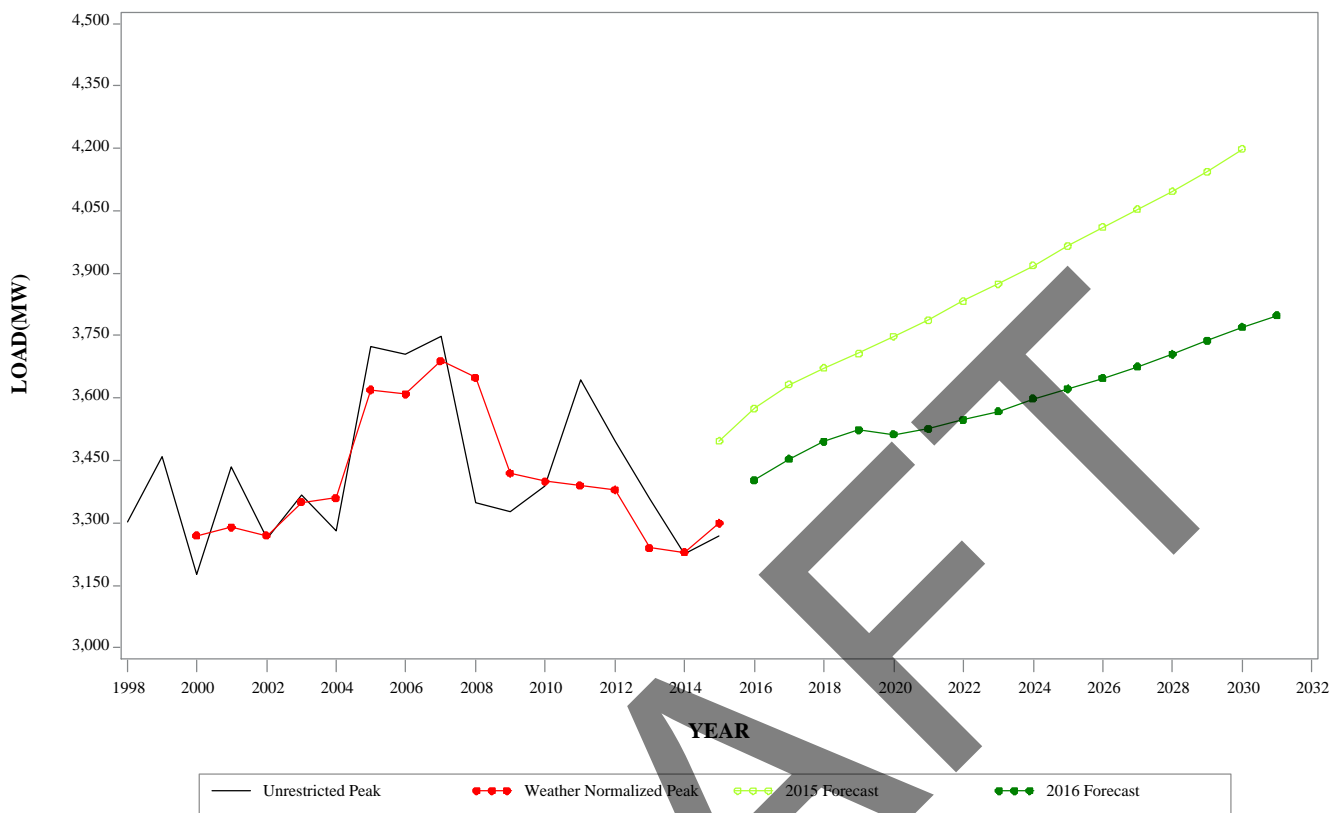
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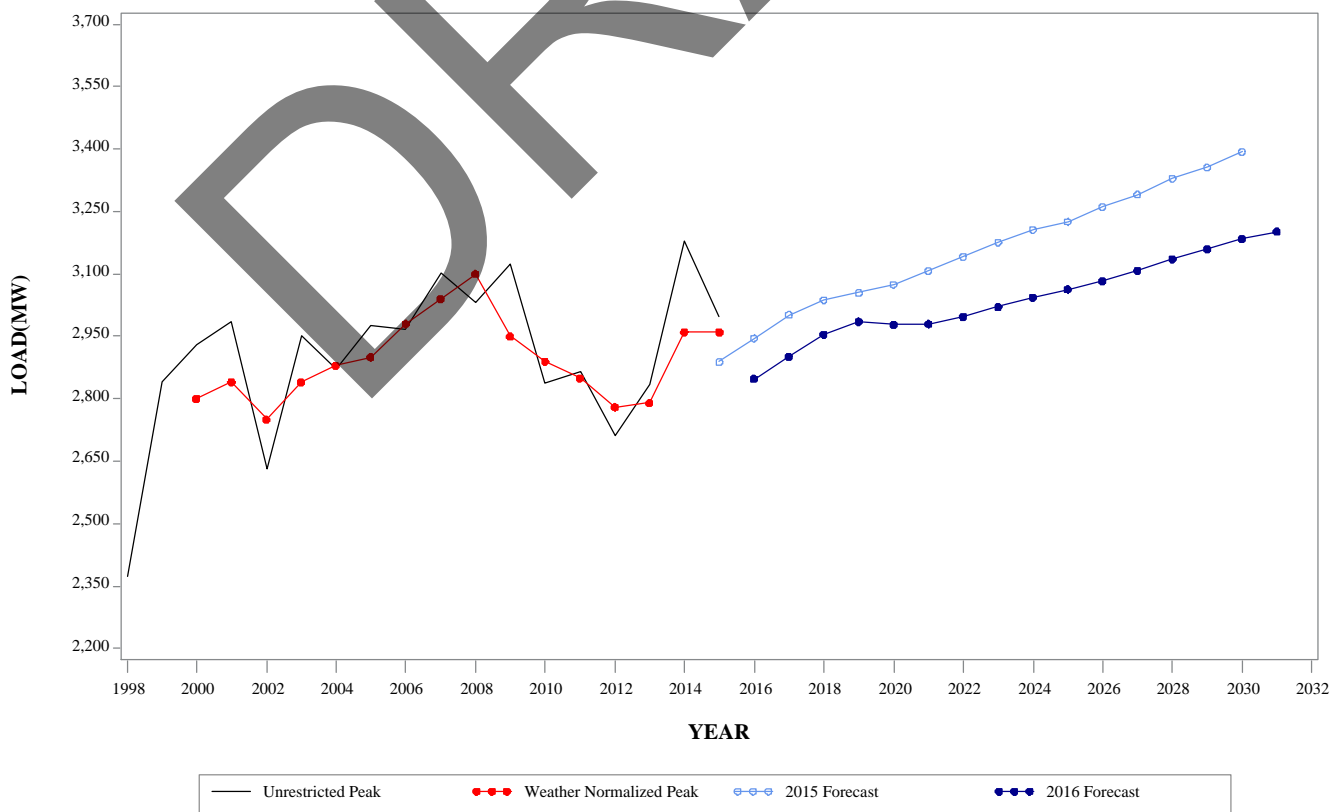
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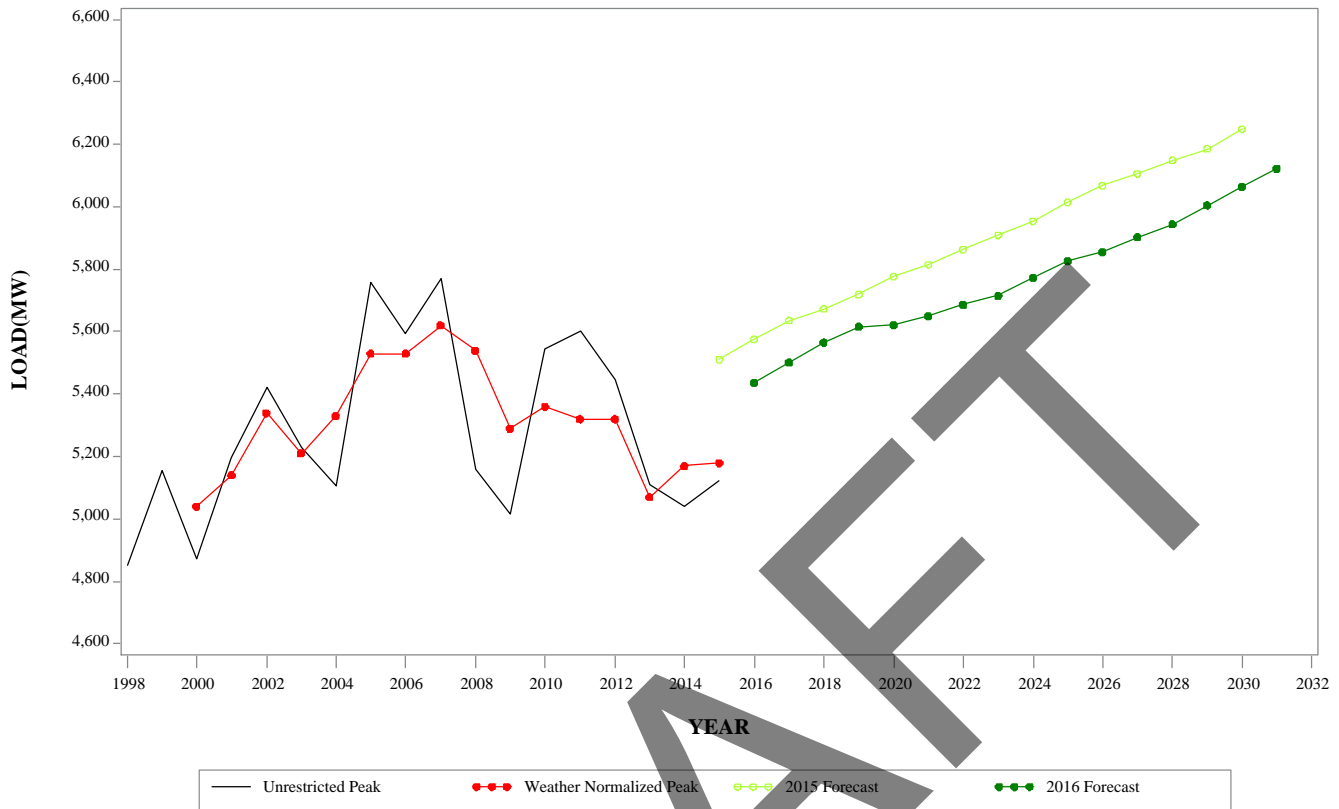
### SUMMER PEAK DEMAND FOR DAYTON GEOGRAPHIC ZONE



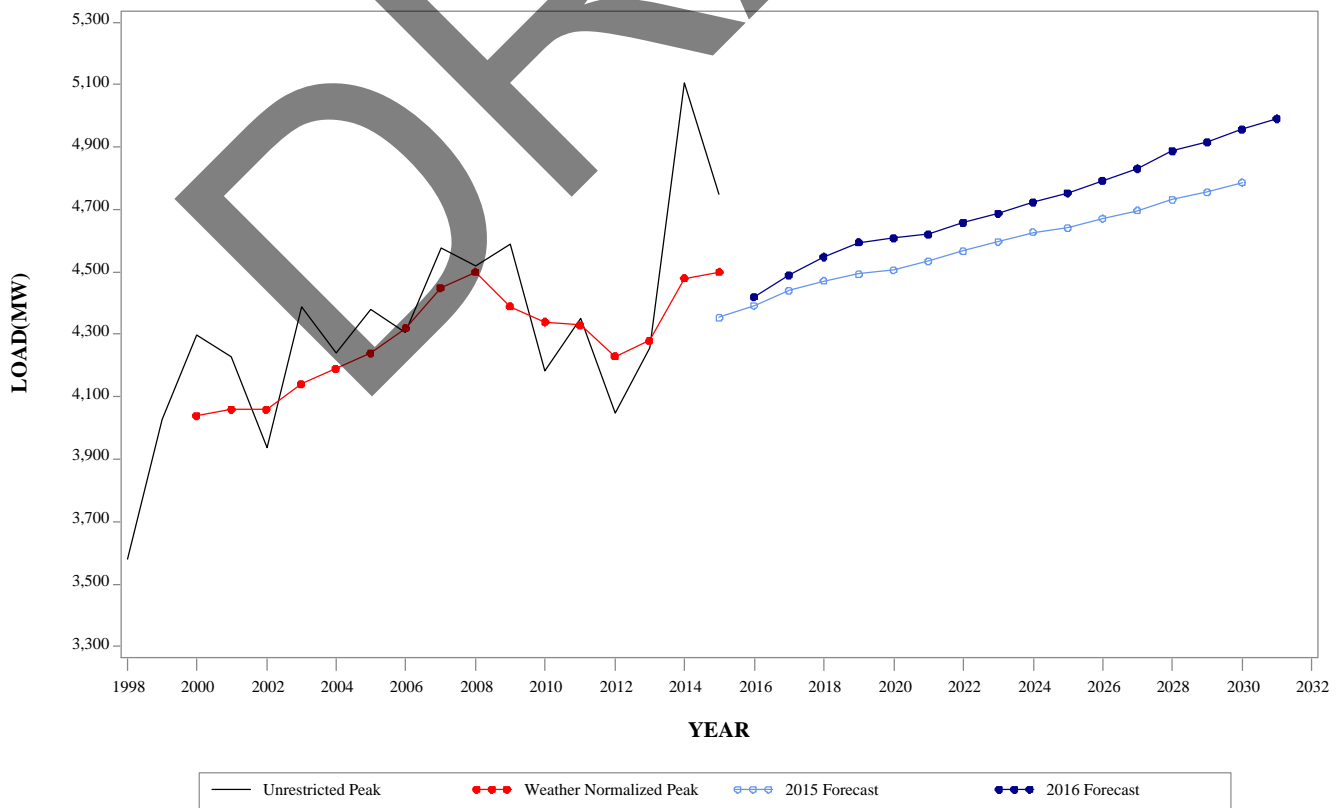
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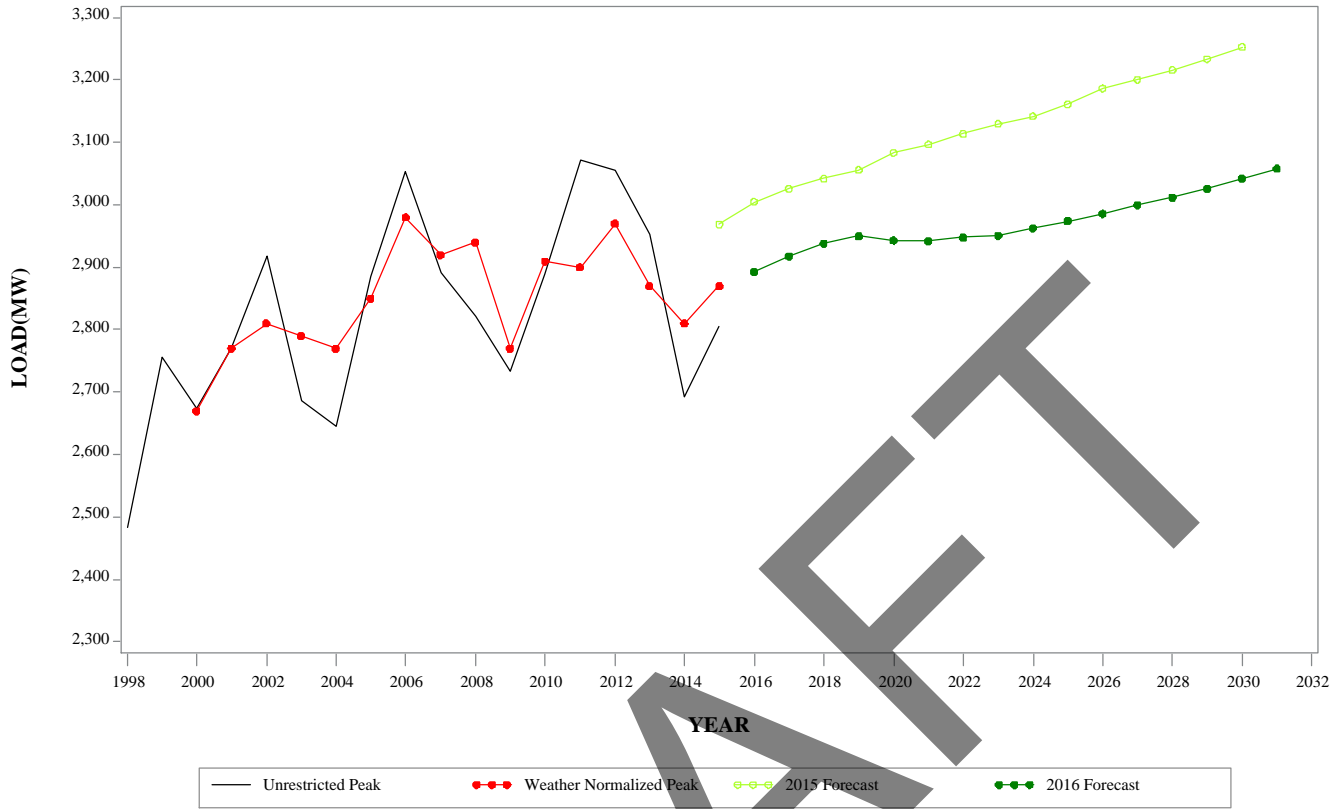
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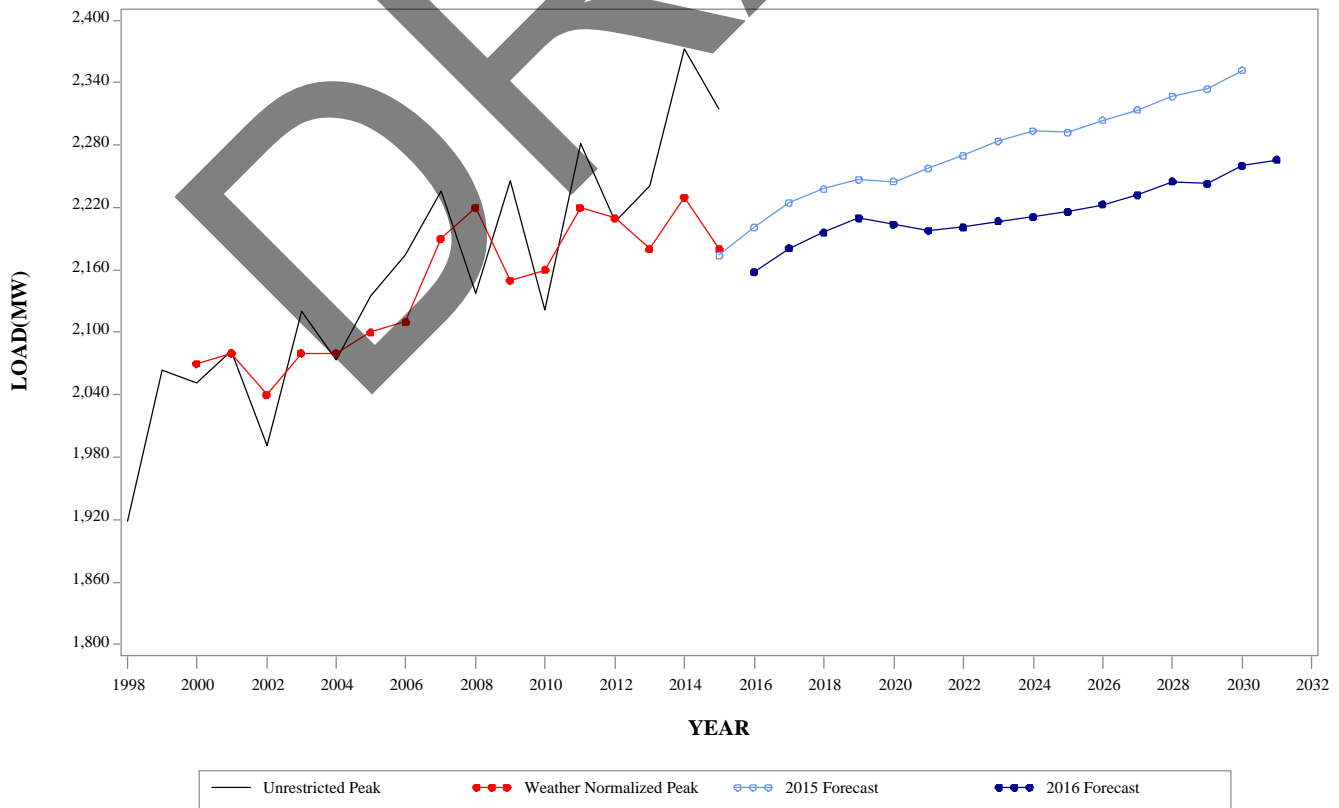
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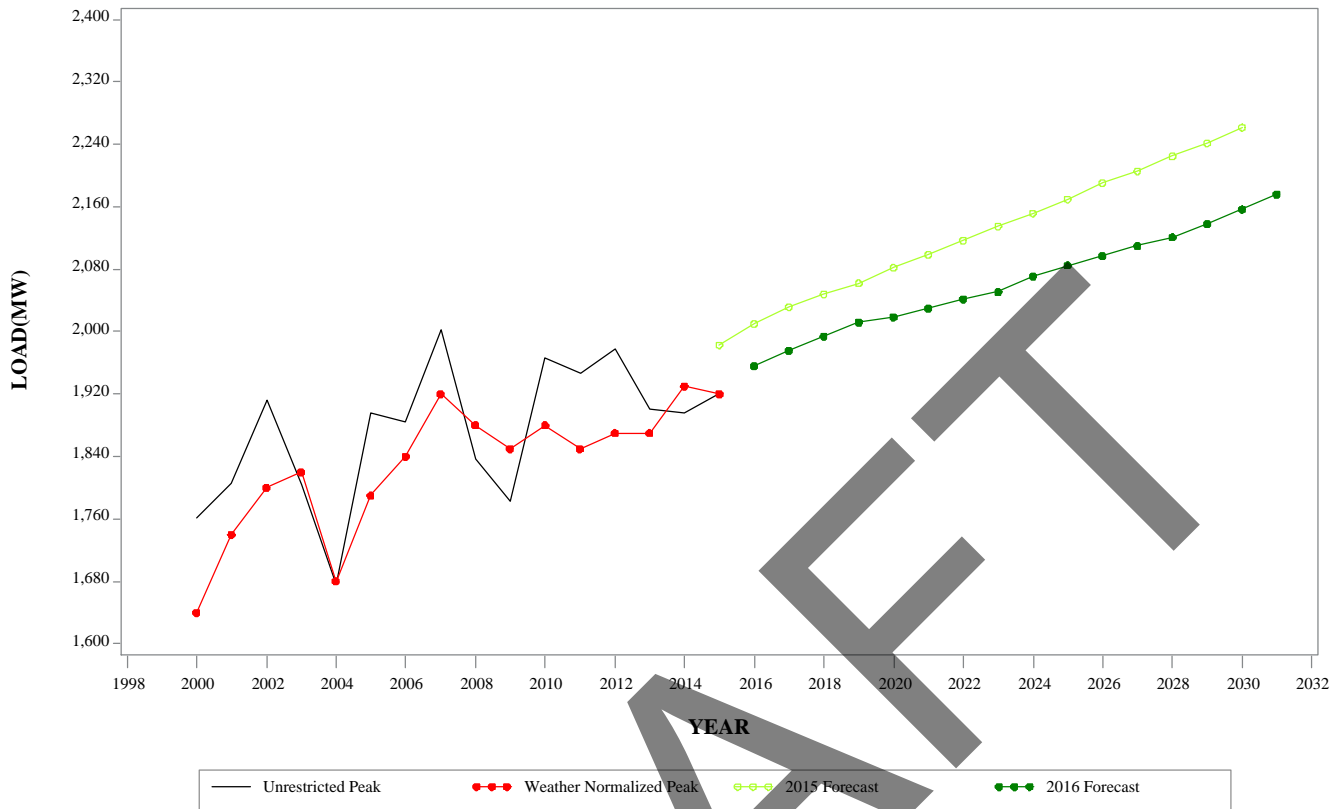
**SUMMER PEAK DEMAND FOR DLCO  
GEOGRAPHIC ZONE**



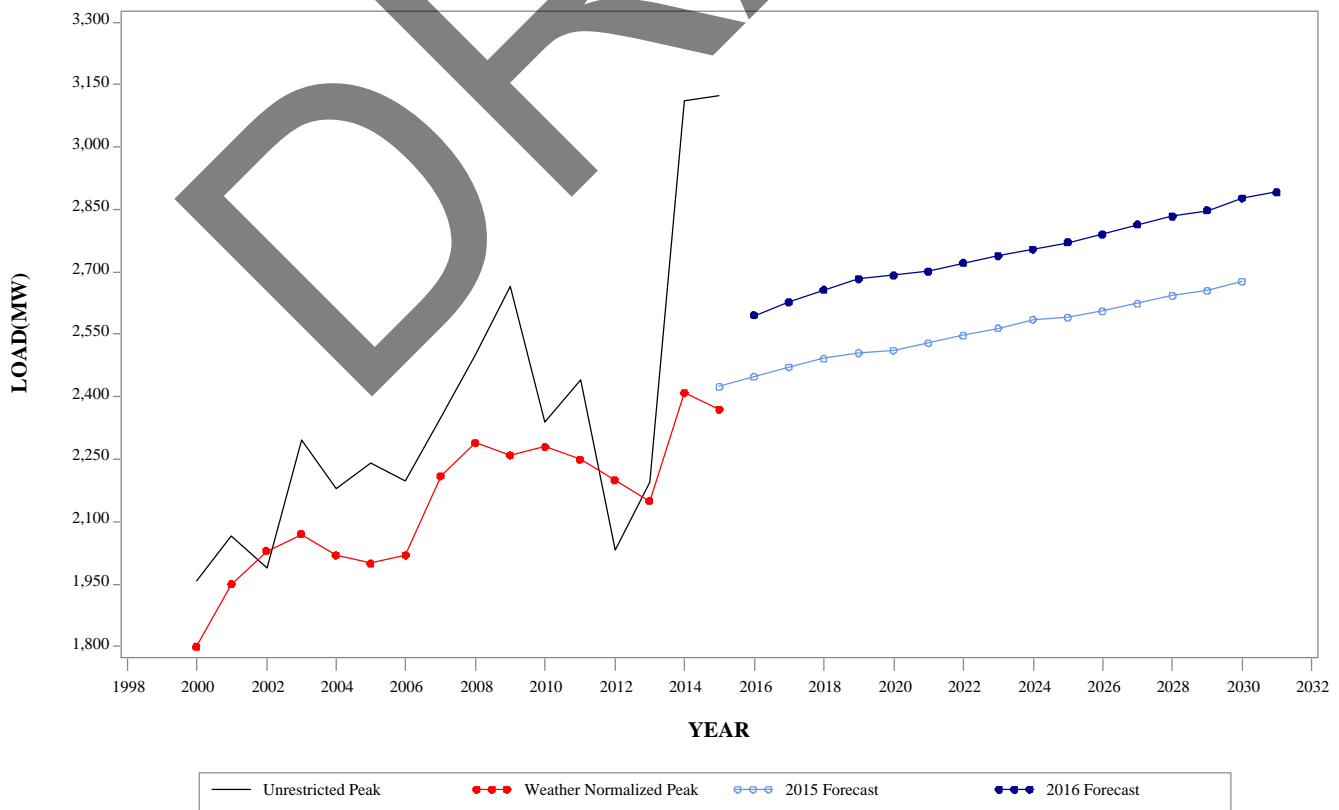
**WINTER PEAK DEMAND FOR DLCO  
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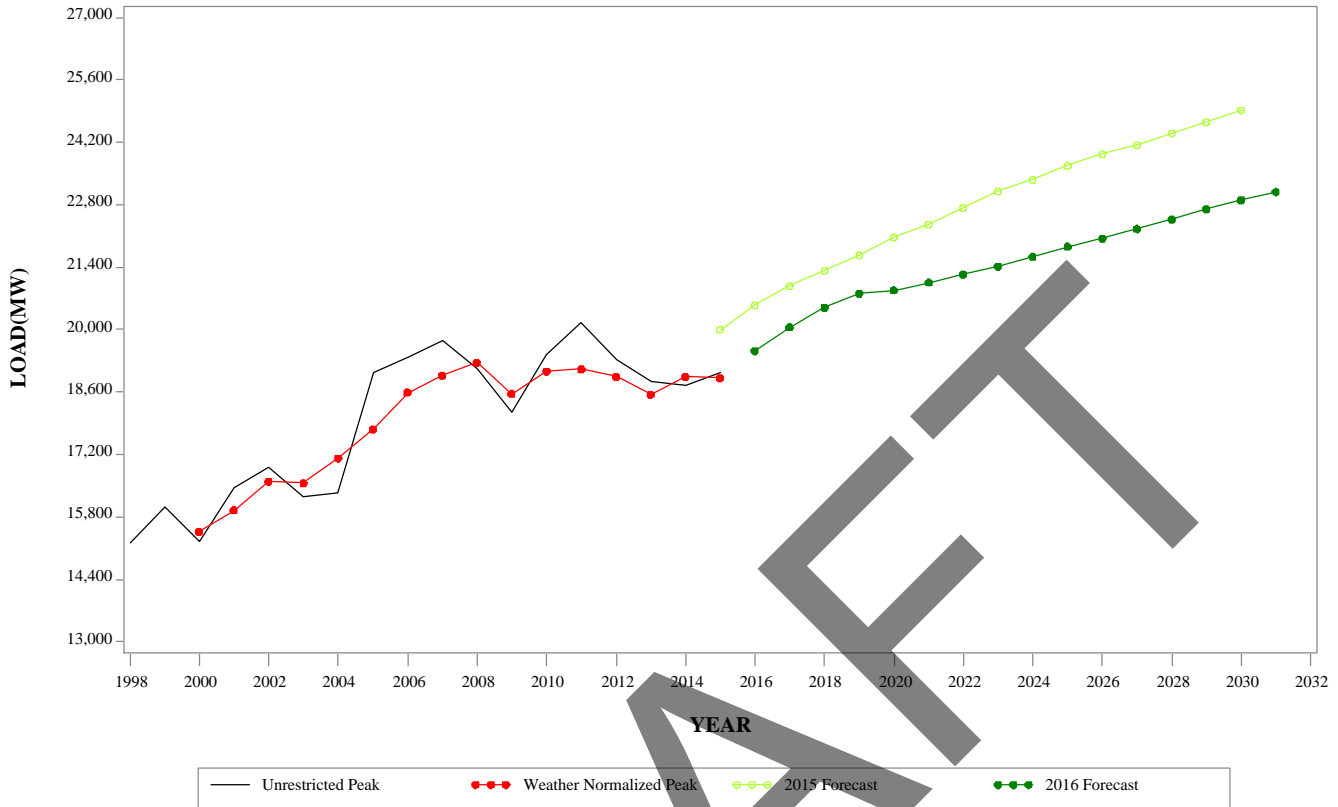
**SUMMER PEAK DEMAND FOR EKPC  
GEOGRAPHIC ZONE**



**WINTER PEAK DEMAND FOR EKPC  
GEOGRAPHIC ZONE**



**SUMMER PEAK DEMAND FOR DOM  
GEOGRAPHIC ZONE**



**WINTER PEAK DEMAND FOR DOM  
GEOGRAPHIC ZONE**

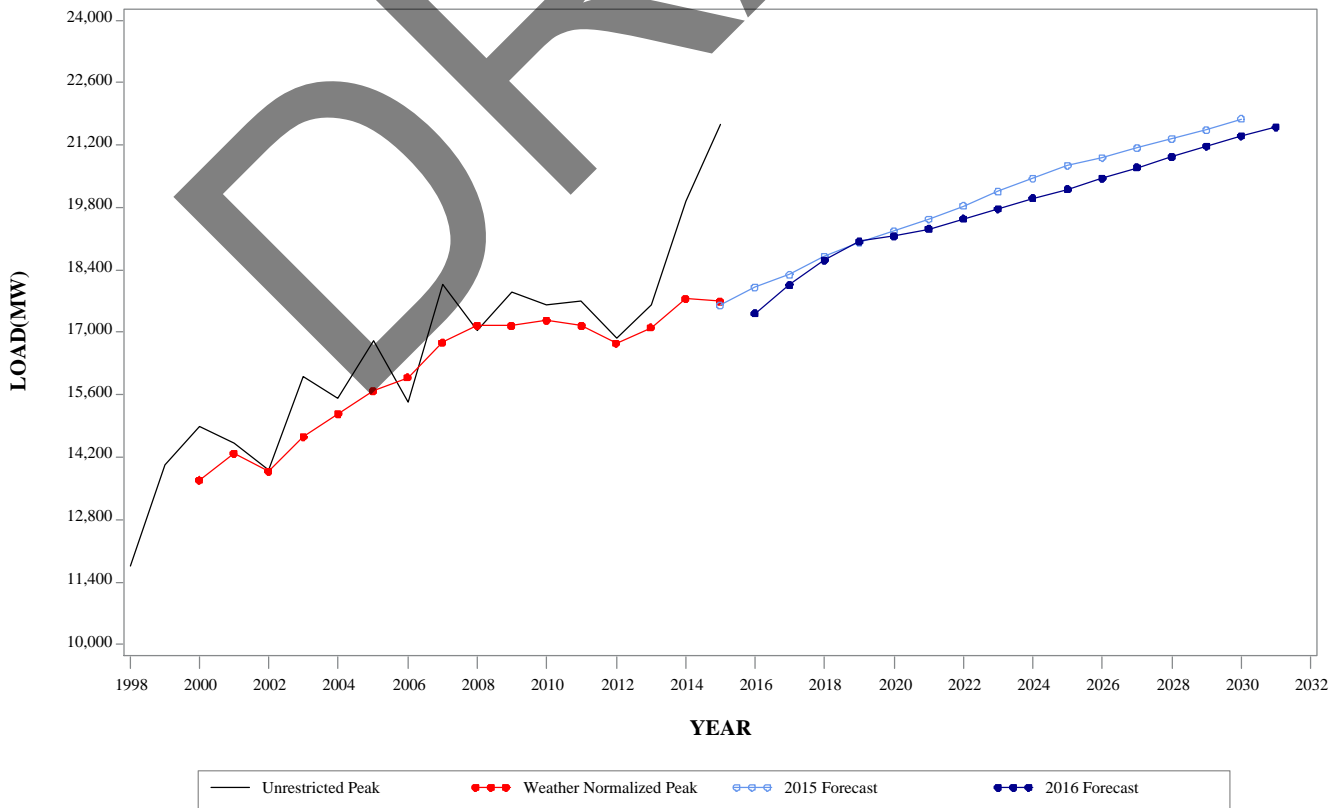
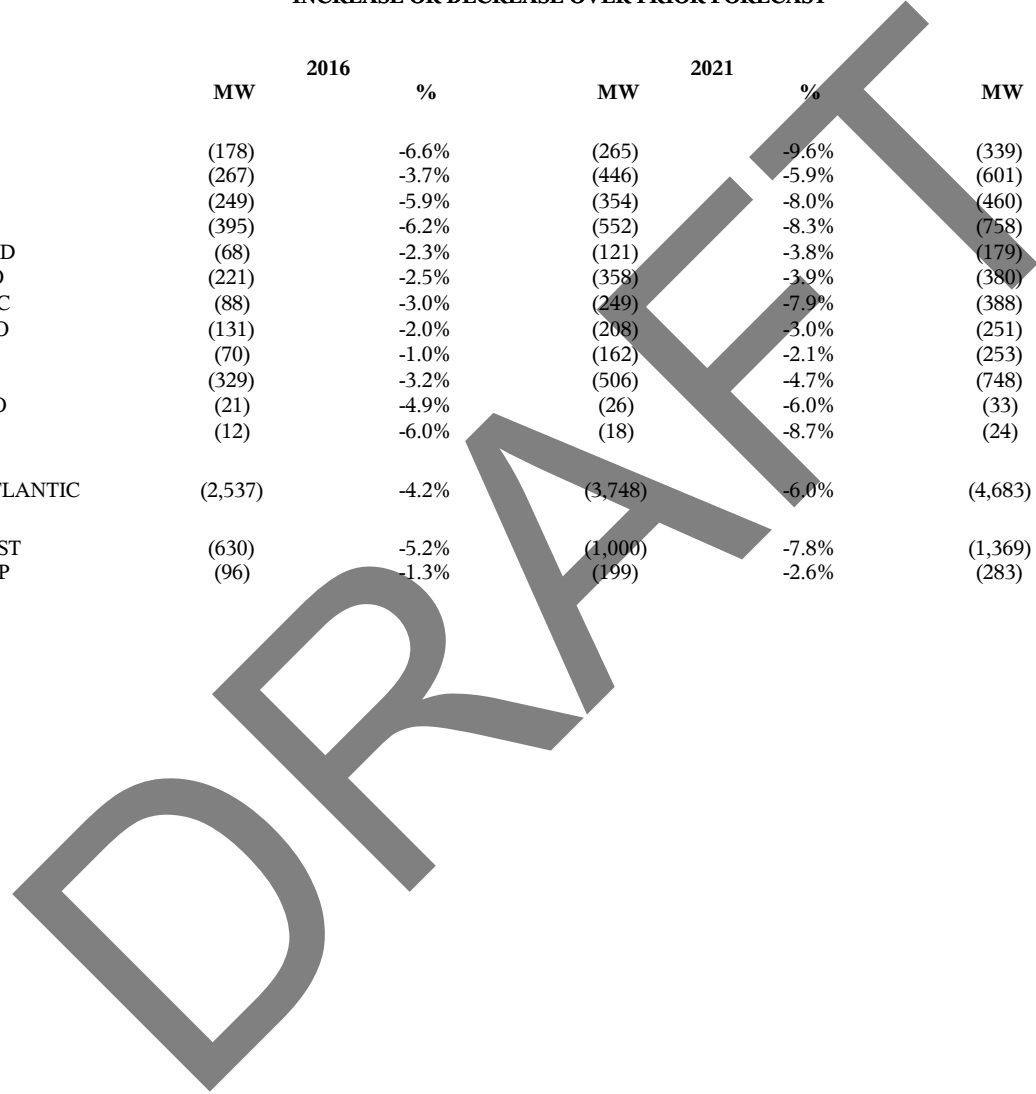


Table A-1

**PJM MID-ATLANTIC REGION  
SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2015 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	2016		2021		2026	
	MW	%	MW	%	MW	%
AE	(178)	-6.6%	(265)	-9.6%	(339)	-11.9%
BGE	(267)	-3.7%	(446)	-5.9%	(601)	-7.7%
DPL	(249)	-5.9%	(354)	-8.0%	(460)	-10.0%
JCPL	(395)	-6.2%	(552)	-8.3%	(758)	-11.0%
METED	(68)	-2.3%	(121)	-3.8%	(179)	-5.3%
PECO	(221)	-2.5%	(358)	-3.9%	(380)	-4.0%
PENLC	(88)	-3.0%	(249)	-7.9%	(388)	-11.7%
PEPCO	(131)	-2.0%	(208)	-3.0%	(251)	-3.6%
PL	(70)	-1.0%	(162)	-2.1%	(253)	-3.2%
PS	(329)	-3.2%	(506)	-4.7%	(748)	-6.8%
RECO	(21)	-4.9%	(26)	-6.0%	(33)	-7.4%
UGI	(12)	-6.0%	(18)	-8.7%	(24)	-11.2%
PJM MID-ATLANTIC	(2,537)	-4.2%	(3,748)	-6.0%	(4,683)	-7.3%
FE-EAST	(630)	-5.2%	(1,000)	-7.8%	(1,369)	-10.3%
PLGRP	(96)	-1.3%	(199)	-2.6%	(283)	-3.5%





**Table A-1**

**PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO  
SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2015 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	2016		2021		2026	
	MW	%	MW	%	MW	%
AEP	(802)	-3.4%	(736)	-3.0%	(683)	-2.7%
APS	(56)	-0.6%	(73)	-0.8%	(237)	-2.4%
ATSI	(449)	-3.4%	(477)	-3.5%	(499)	-3.6%
COMED	(1,354)	-5.8%	(2,027)	-8.2%	(2,646)	-10.1%
DAYTON	(172)	-4.8%	(260)	-6.9%	(363)	-9.1%
DEOK	(140)	-2.5%	(166)	-2.9%	(212)	-3.5%
DLCO	(112)	-3.7%	(155)	-5.0%	(201)	-6.3%
EKPC	(54)	-2.7%	(69)	-3.3%	(94)	-4.3%
PJM WESTERN	(2,977)	-3.6%	(3,778)	-4.4%	(4,567)	-5.1%
DOM	(1,022)	-5.0%	(1,310)	-5.9%	(1,898)	-7.9%
PJM RTO	(5,747)	-3.6%	(8,369)	-5.0%	(10,984)	-6.4%

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Table A-2

**PJM MID-ATLANTIC REGION  
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2015 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	15/16		20/21		25/26	
	MW	%	MW	%	MW	%
AE	(64)	-3.8%	(111)	-6.4%	(140)	-7.9%
BGE	95	1.6%	72	1.2%	40	0.6%
DPL	(12)	-0.4%	(21)	-0.6%	(48)	-1.3%
JCPL	(107)	-2.8%	(193)	-4.8%	(304)	-7.2%
METED	(32)	-1.2%	(84)	-3.0%	(150)	-5.1%
PECO	(6)	-0.1%	(144)	-2.1%	(249)	-3.4%
PENLC	(130)	-4.4%	(316)	-10.0%	(480)	-14.5%
PEPCO	18	0.3%	(37)	-0.7%	(123)	-2.1%
PL	(105)	-1.4%	(193)	-2.5%	(308)	-3.9%
PS	61	0.9%	(18)	-0.3%	(135)	-1.9%
RECO	(2)	-0.9%	(2)	-0.8%	(3)	-1.3%
UGI	(10)	-5.0%	(14)	-6.7%	(21)	-9.8%
PJM MID-ATLANTIC	(351)	-0.8%	(1,131)	-2.3%	(1,977)	-4.0%
FE-EAST	(291)	-3.1%	(615)	-6.2%	(934)	-9.0%
PLGRP	(121)	-1.6%	(216)	-2.8%	(335)	-4.2%

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Table A-2

**PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO  
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST  
TO THE JANUARY 2015 LOAD FORECAST REPORT**

**INCREASE OR DECREASE OVER PRIOR FORECAST**

	15/16		20/21		25/26	
	MW	%	MW	%	MW	%
AEP	(427)	-1.9%	(65)	-0.3%	167	0.7%
APS	(329)	-3.7%	(176)	-1.9%	(376)	-3.8%
ATSI	(45)	-0.4%	61	0.6%	160	1.5%
COMED	(363)	-2.3%	(633)	-3.7%	(833)	-4.7%
DAYTON	(98)	-3.3%	(128)	-4.1%	(179)	-5.5%
DEOK	28	0.6%	85	1.9%	121	2.6%
DLCO	(43)	-2.0%	(60)	-2.7%	(81)	-3.5%
EKPC	148	6.0%	172	6.8%	185	7.1%
PJM WESTERN	(1,060)	-1.5%	(775)	-1.1%	(888)	-1.2%
DOM	(589)	-3.3%	(224)	-1.1%	(462)	-2.2%
PJM RTO	(1,477)	-1.1%	(1,617)	-1.2%	(2,696)	-1.9%

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Table B-1

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2016 - 2026

	METERED 2015	UNRESTRICTED 2015	NORMAL 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Annual Growth Rate (10 yr)
AE	2,553	2,553	2,580	2,524	2,530	2,534	2,533	2,521	2,508	2,506	2,502	2,503	2,506	2,503	( 0.1%)
BGE	6,508	6,508	6,750	6,945	6,989	7,060	7,064	7,080	7,065	7,060	7,079	7,139	7,192	7,221	0.4%
DPL	3,822	3,822	3,930	3,991	4,031	4,055	4,067	4,072	4,064	4,071	4,076	4,092	4,122	4,136	0.4%
JCPL	5,819	5,819	6,010	5,967	6,038	6,096	6,102	6,098	6,091	6,076	6,082	6,099	6,132	6,156	0.3%
METED	2,791	2,792	2,870	2,939	2,975	3,019	3,050	3,045	3,056	3,068	3,075	3,122	3,147	3,176	0.8%
PECO	8,095	8,095	8,390	8,547	8,658	8,745	8,796	8,810	8,798	8,842	8,885	8,953	9,014	9,123	0.7%
PENLC	2,819	2,819	2,940	2,890	2,900	2,904	2,908	2,907	2,899	2,901	2,899	2,903	2,908	2,919	0.1%
PEPCO	6,268	6,268	6,090	6,563	6,614	6,630	6,668	6,703	6,673	6,681	6,694	6,716	6,752	6,814	0.4%
PL	6,580	6,580	6,920	7,192	7,270	7,338	7,377	7,363	7,377	7,406	7,425	7,468	7,518	7,561	0.5%
PS	9,595	9,595	9,910	10,089	10,173	10,234	10,238	10,215	10,192	10,188	10,179	10,185	10,208	10,224	0.1%
RECO	398	398	405	407	409	411	411	411	409	409	409	409	410	410	0.1%
UGI	189	189	195	188	190	191	191	190	189	189	189	190	190	190	0.1%
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	54,890	54,890	56,495	1,068 57,174	1,041 57,736	1,023 58,194	941 58,464	891 58,524	1,011 58,310	958 58,439	878 58,616	937 58,842	802 59,297	880 59,553	0.4%
FE-EAST	11,267	11,267	11,670	11,538	11,655	11,762	11,810	11,771	11,765	11,795	11,831	11,882	11,929	11,982	0.4%
PLGRP	6,759	6,759	7,110	7,336	7,417	7,487	7,525	7,513	7,521	7,548	7,576	7,620	7,666	7,714	0.5%

Notes:  
Normal 2015 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 2015 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.

Table B-1 (Continued)

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2027 - 2031

	2027	2028	2029	2030	2031	Annual Growth Rate (15 yr)
AE	2,497	2,493	2,489	2,484	2,485	( 0.1%)
	-0.2%	-0.2%	-0.2%	-0.2%	0.0%	
BGE	7,232	7,239	7,299	7,320	7,375	0.4%
	0.2%	0.1%	0.8%	0.3%	0.8%	
DPL	4,140	4,156	4,171	4,181	4,201	0.3%
	0.1%	0.4%	0.4%	0.2%	0.5%	
JCPL	6,181	6,174	6,210	6,217	6,256	0.3%
	0.4%	-0.1%	0.6%	0.1%	0.6%	
METED	3,205	3,213	3,259	3,301	3,332	0.8%
	0.9%	0.2%	1.4%	1.3%	0.9%	
PECO	9,162	9,238	9,321	9,404	9,488	0.7%
	0.4%	0.8%	0.9%	0.9%	0.9%	
PENLC	2,920	2,920	2,924	2,933	2,942	0.1%
	0.0%	0.0%	0.1%	0.3%	0.3%	
PEPCO	6,812	6,834	6,847	6,893	6,936	0.4%
	-0.0%	0.3%	0.2%	0.7%	0.6%	
PL	7,620	7,659	7,714	7,769	7,833	0.6%
	0.8%	0.5%	0.7%	0.7%	0.8%	
PS	10,242	10,243	10,253	10,270	10,299	0.1%
	0.2%	0.0%	0.1%	0.2%	0.3%	
RECO	410	410	411	411	412	0.1%
	0.0%	0.0%	0.2%	0.0%	0.2%	
UGI	191	191	192	193	194	0.2%
	0.5%	0.0%	0.5%	0.5%	0.5%	
DIVERSITY - MID-ATLANTIC(-)	1,007	880	914	957	812	
PJM MID-ATLANTIC	59,605	59,890	60,176	60,419	60,941	0.4%
	0.1%	0.5%	0.5%	0.4%	0.9%	
FE-EAST	12,036	12,095	12,164	12,216	12,290	0.4%
	0.5%	0.5%	0.6%	0.4%	0.6%	
PLGRP	7,770	7,816	7,876	7,925	7,986	0.6%
	0.7%	0.6%	0.8%	0.6%	0.8%	

Notes:  
Normal 2015 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 2015 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.

Table B-1

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2016 - 2026

	METERED 2015	UNRESTRICTED 2015	NORMAL 2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Annual Growth Rate (10 yr)
AEP	21,877	21,877	22,490	23,010	23,313	23,585	23,795	23,815	23,935	24,104	24,260	24,489	24,662	24,856	0.8%
				2.3%	1.3%	1.2%	0.9%	0.1%	0.5%	0.7%	0.6%	0.9%	0.7%	0.8%	
APS	8,257	8,257	8,480	8,816	9,016	9,129	9,218	9,252	9,266	9,314	9,355	9,417	9,501	9,563	0.8%
				4.0%	2.3%	1.3%	1.0%	0.4%	0.2%	0.5%	0.4%	0.7%	0.9%	0.7%	
ATSI	12,357	12,357	12,870	12,920	13,005	13,089	13,148	13,130	13,159	13,208	13,236	13,312	13,363	13,415	0.4%
				0.4%	0.7%	0.6%	0.5%	-0.1%	0.2%	0.4%	0.2%	0.6%	0.4%	0.4%	
COMED	19,766	19,768	21,950	21,998	22,215	22,437	22,629	22,659	22,766	22,933	23,041	23,242	23,448	23,630	0.7%
				0.2%	1.0%	1.0%	0.9%	0.1%	0.5%	0.7%	0.5%	0.9%	0.9%	0.8%	
DAYTON	3,269	3,269	3,300	3,403	3,454	3,496	3,524	3,513	3,527	3,548	3,568	3,599	3,623	3,648	0.7%
				3.1%	1.5%	1.2%	0.8%	-0.3%	0.4%	0.6%	0.6%	0.9%	0.7%	0.7%	
DEOK	5,123	5,123	5,180	5,436	5,501	5,566	5,616	5,622	5,650	5,687	5,715	5,773	5,827	5,856	0.7%
				4.9%	1.2%	1.2%	0.9%	0.1%	0.5%	0.7%	0.5%	1.0%	0.9%	0.5%	
DLCO	2,805	2,805	2,870	2,893	2,918	2,938	2,950	2,943	2,942	2,948	2,951	2,963	2,974	2,986	0.3%
				0.8%	0.9%	0.7%	0.4%	-0.2%	-0.0%	0.2%	0.1%	0.4%	0.4%	0.4%	
EKPC	1,920	1,920	1,920	1,956	1,976	1,994	2,012	2,019	2,030	2,042	2,051	2,071	2,085	2,097	0.7%
				1.9%	1.0%	0.9%	0.9%	0.3%	0.5%	0.6%	0.4%	1.0%	0.7%	0.6%	
DIVERSITY - WESTERN(-) PJM WESTERN	74,531	74,579	77,980	78,857	79,823	80,665	81,333	81,382	81,687	82,158	82,681	83,318	83,890	84,456	0.7%
				1.1%	1.2%	1.1%	0.8%	0.1%	0.4%	0.6%	0.6%	0.8%	0.7%	0.7%	
DOM	18,980	19,024	18,920	19,529	20,053	20,500	20,812	20,885	21,057	21,247	21,423	21,641	21,860	22,047	1.2%
				3.2%	2.7%	2.2%	1.5%	0.4%	0.8%	0.9%	0.8%	1.0%	1.0%	0.9%	
DIVERSITY - INTERREGIONAL(-) PJM RTO	143,447	143,497	150,295	152,165	154,184	155,951	156,996	156,925	157,395	158,020	159,007	160,020	160,973	161,914	0.6%
				1.2%	1.3%	1.1%	0.7%	-0.0%	0.3%	0.4%	0.6%	0.6%	0.6%	0.6%	

Notes:  
Normal 2015 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 2015 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.

**Table B-1 (Continued)**

**SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2027 - 2031**

	2027	2028	2029	2030	2031	Annual Growth Rate (15 yr)
AEP	25,071	25,275	25,507	25,766	25,978	0.8%
	0.9%	0.8%	0.9%	1.0%	0.8%	
APS	9,616	9,674	9,743	9,822	9,914	0.8%
	0.6%	0.6%	0.7%	0.8%	0.9%	
ATSI	13,489	13,545	13,619	13,712	13,781	0.4%
	0.6%	0.4%	0.5%	0.7%	0.5%	
COMED	23,836	24,010	24,166	24,450	24,689	0.8%
	0.9%	0.7%	0.6%	1.2%	1.0%	
DAYTON	3,676	3,706	3,739	3,771	3,799	0.7%
	0.8%	0.8%	0.9%	0.9%	0.7%	
DEOK	5,903	5,944	6,005	6,065	6,122	0.8%
	0.8%	0.7%	1.0%	1.0%	0.9%	
DLCO	3,000	3,012	3,026	3,042	3,058	0.4%
	0.5%	0.4%	0.5%	0.5%	0.5%	
EKPC	2,110	2,121	2,138	2,157	2,176	0.7%
	0.6%	0.5%	0.8%	0.9%	0.9%	
DIVERSITY - WESTERN(-) PJM WESTERN	1,590 85,111	1,486 85,801	1,421 86,522	1,556 87,229	1,608 87,909	0.7%
	0.8%	0.8%	0.8%	0.8%	0.8%	
DOM	22,261	22,470	22,699	22,907	23,093	1.1%
	1.0%	0.9%	1.0%	0.9%	0.8%	
DIVERSITY - INTERREGIONAL(-) PJM RTO	3,968 163,009	3,995 164,166	3,986 165,411	4,126 166,429	4,459 167,484	0.6%
	0.7%	0.7%	0.8%	0.6%	0.6%	

Notes:  
Normal 2015 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 2015 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.

Table B-2

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2015/16 - 2025/26

	METERED 14/15	UNRESTRICTED 14/15	NORMAL 14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	Annual Growth Rate (10 yr)
AE	1,705	1,705	1,610	1,626	1,632	1,640	1,647	1,634	1,620	1,620	1,621	1,623	1,623	1,625	( 0.0%)
BGE	6,712	6,712	5,760	5,940	5,994	6,044	6,077	6,080	6,077	6,098	6,119	6,142	6,168	6,199	0.4%
DPL	4,114	4,114	3,480	3,412	3,462	3,507	3,537	3,544	3,548	3,560	3,577	3,598	3,623	3,647	0.7%
JCPL	3,805	3,805	3,730	3,765	3,823	3,881	3,913	3,881	3,853	3,857	3,859	3,874	3,886	3,892	0.3%
METED	2,799	2,799	2,610	2,593	2,638	2,679	2,710	2,704	2,700	2,711	2,731	2,749	2,767	2,784	0.7%
PECO	7,034	7,034	6,620	6,652	6,770	6,859	6,907	6,890	6,862	6,900	6,930	6,965	6,997	7,030	0.6%
PENLC	3,025	3,025	2,860	2,814	2,829	2,837	2,848	2,841	2,829	2,830	2,834	2,835	2,834	2,834	0.1%
PEPCO	6,066	6,066	5,370	5,385	5,453	5,511	5,551	5,570	5,562	5,586	5,617	5,642	5,668	5,678	0.5%
PL	7,845	7,845	7,140	7,209	7,298	7,385	7,435	7,427	7,404	7,418	7,438	7,475	7,511	7,541	0.5%
PS	6,697	6,697	6,570	6,711	6,801	6,869	6,921	6,890	6,847	6,843	6,856	6,872	6,887	6,904	0.3%
RECO	232	232	220	232	234	235	237	235	234	235	235	235	234	234	0.1%
UGI	211	211	200	192	194	196	197	195	194	193	193	193	193	193	0.1%
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	49,369	49,369	45,485	709	625	633	723	794	731	666	663	646	764	741	0.4%
FE-EAST	9,505	9,505	9,140	9,095	9,229	9,335	9,406	9,336	9,305	9,323	9,358	9,403	9,411	9,442	0.4%
PLGRP	8,055	8,055	7,335	7,387	7,476	7,566	7,610	7,584	7,578	7,595	7,614	7,653	7,680	7,711	0.4%

Notes:  
Normal 14/15 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 14/15 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.



Table B-2 (Continued)

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2026/27 - 2030/31

	26/27	27/28	28/29	29/30	30/31	Annual Growth Rate (15 yr)
AE	1,627	1,636	1,638	1,648	1,644	0.1%
	0.1%	0.6%	0.1%	0.6%	-0.2%	
BGE	6,227	6,262	6,291	6,317	6,346	0.4%
	0.5%	0.6%	0.5%	0.4%	0.5%	
DPL	3,669	3,694	3,717	3,743	3,767	0.7%
	0.6%	0.7%	0.6%	0.7%	0.6%	
JCPL	3,914	3,945	3,967	3,995	4,006	0.4%
	0.6%	0.8%	0.6%	0.7%	0.3%	
METED	2,807	2,831	2,854	2,880	2,898	0.7%
	0.8%	0.9%	0.8%	0.9%	0.6%	
PECO	7,077	7,131	7,179	7,222	7,263	0.6%
	0.7%	0.8%	0.7%	0.6%	0.6%	
PENLC	2,836	2,842	2,840	2,852	2,847	0.1%
	0.1%	0.2%	-0.1%	0.4%	-0.2%	
PEPCO	5,710	5,768	5,778	5,836	5,865	0.6%
	0.6%	1.0%	0.2%	1.0%	0.5%	
PL	7,582	7,626	7,664	7,703	7,745	0.5%
	0.5%	0.6%	0.5%	0.5%	0.5%	
PS	6,922	6,956	6,980	7,029	7,036	0.3%
	0.3%	0.5%	0.3%	0.7%	0.1%	
RECO	235	237	236	238	236	0.1%
	0.4%	0.9%	-0.4%	0.8%	-0.8%	
UGI	193	194	194	195	194	0.1%
	0.0%	0.5%	0.0%	0.5%	-0.5%	
DIVERSITY - MID-ATLANTIC(-)	725	723	657	704	750	
PJM MID-ATLANTIC	48,074	48,399	48,681	48,954	49,097	0.5%
	0.5%	0.7%	0.6%	0.6%	0.3%	
FE-EAST	9,485	9,544	9,603	9,669	9,684	0.4%
	0.5%	0.6%	0.6%	0.7%	0.2%	
PLGRP	7,752	7,796	7,840	7,873	7,919	0.5%
	0.5%	0.6%	0.6%	0.4%	0.6%	

Notes:  
Normal 25/26 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 25/26 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.

Table B-2

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2015/16 - 2025/26

	METERED 14/15	UNRESTRICTED 14/15	NORMAL 14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	Annual Growth Rate (10 yr)
AEP	24,739	24,739	21,990	22,511	22,899	23,307	23,619	23,705	23,774	23,960	24,139	24,367	24,575	24,795	1.0%
				2.4%	1.7%	1.8%	1.3%	0.4%	0.3%	0.8%	0.7%	0.9%	0.9%	0.9%	
APS	9,594	9,594	8,640	8,508	8,760	8,990	9,125	9,178	9,186	9,233	9,281	9,346	9,415	9,471	1.1%
				-1.5%	3.0%	2.6%	1.5%	0.6%	0.1%	0.5%	0.5%	0.7%	0.7%	0.6%	
ATSI	11,041	11,041	10,630	10,547	10,658	10,748	10,848	10,822	10,806	10,849	10,908	10,950	10,995	11,039	0.5%
				-0.8%	1.1%	0.8%	0.9%	-0.2%	-0.1%	0.4%	0.5%	0.4%	0.4%	0.4%	
COMED	15,951	15,951	15,120	15,578	15,835	16,055	16,294	16,325	16,297	16,403	16,531	16,670	16,786	16,976	0.9%
				3.0%	1.6%	1.4%	1.5%	0.2%	-0.2%	0.7%	0.8%	0.8%	0.7%	1.1%	
DAYTON	2,999	2,999	2,960	2,848	2,901	2,955	2,986	2,978	2,980	2,997	3,021	3,044	3,063	3,083	0.8%
				-3.8%	1.9%	1.9%	1.0%	-0.3%	0.1%	0.6%	0.8%	0.8%	0.6%	0.7%	
DEOK	4,750	4,750	4,500	4,421	4,490	4,549	4,595	4,609	4,620	4,658	4,688	4,724	4,754	4,793	0.8%
				-1.8%	1.6%	1.3%	1.0%	0.3%	0.2%	0.8%	0.6%	0.8%	0.6%	0.8%	
DLCO	2,315	2,315	2,180	2,158	2,181	2,196	2,210	2,204	2,198	2,201	2,207	2,211	2,216	2,223	0.3%
				-1.0%	1.1%	0.7%	0.6%	-0.3%	-0.3%	0.1%	0.3%	0.2%	0.2%	0.3%	
EKPC	3,123	3,123	2,370	2,596	2,628	2,657	2,684	2,692	2,702	2,722	2,739	2,755	2,771	2,791	0.7%
				9.5%	1.2%	1.1%	1.0%	0.3%	0.4%	0.7%	0.6%	0.6%	0.6%	0.7%	
DIVERSITY - WESTERN(-) PJM WESTERN	71,834	71,834	66,940	1,347	1,368	1,417	1,628	1,770	1,595	1,491	1,550	1,536	1,531	1,657	0.8%
				67,820	68,984	70,040	70,733	70,743	70,968	71,532	71,964	72,531	73,044	73,514	
				1.3%	1.7%	1.5%	1.0%	0.0%	0.3%	0.8%	0.6%	0.8%	0.7%	0.6%	
DOM	21,651	21,651	17,690	17,428	18,064	18,624	19,043	19,164	19,322	19,549	19,776	20,013	20,213	20,461	1.6%
				-1.5%	3.6%	3.1%	2.2%	0.6%	0.8%	1.2%	1.2%	1.2%	1.0%	1.2%	
DIVERSITY - INTERREGIONAL(-) PJM RTO	142,762	142,762	128,270	826	1,066	1,028	944	987	888	1,013	1,085	935	932	881	0.8%
				130,244	132,485	134,646	136,089	136,017	136,401	137,253	138,002	139,166	139,952	140,914	
				1.5%	1.7%	1.6%	1.1%	-0.1%	0.3%	0.6%	0.5%	0.8%	0.6%	0.7%	

Notes:  
Normal 14/15 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 14/15 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.

Table B-2 (Continued)

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2026/27 - 2030/31

	26/27	27/28	28/29	29/30	30/31	Annual Growth Rate (15 yr)
AEP	25,025	25,296	25,530	25,837	26,006	1.0%
	0.9%	1.1%	0.9%	1.2%	0.7%	
APS	9,524	9,612	9,653	9,745	9,804	0.9%
	0.6%	0.9%	0.4%	1.0%	0.6%	
ATSI	11,084	11,158	11,174	11,299	11,302	0.5%
	0.4%	0.7%	0.1%	1.1%	0.0%	
COMED	17,104	17,294	17,443	17,660	17,697	0.9%
	0.8%	1.1%	0.9%	1.2%	0.2%	
DAYTON	3,108	3,136	3,160	3,185	3,202	0.8%
	0.8%	0.9%	0.8%	0.8%	0.5%	
DEOK	4,832	4,888	4,917	4,958	4,992	0.8%
	0.8%	1.2%	0.6%	0.8%	0.7%	
DLCO	2,232	2,245	2,243	2,260	2,266	0.3%
	0.4%	0.6%	-0.1%	0.8%	0.3%	
EKPC	2,814	2,834	2,848	2,878	2,892	0.7%
	0.8%	0.7%	0.5%	1.1%	0.5%	
DIVERSITY - WESTERN(-)	1,604	1,641	1,571	1,790	1,649	
PJM WESTERN	74,119	74,822	75,397	76,032	76,512	0.8%
	0.8%	0.9%	0.8%	0.8%	0.6%	
DOM	20,700	20,946	21,183	21,412	21,610	1.4%
	1.2%	1.2%	1.1%	1.1%	0.9%	
DIVERSITY - INTERREGIONAL(-)	917	1,040	1,361	1,114	1,009	
PJM RTO	141,976	143,127	143,900	145,284	146,210	0.8%
	0.8%	0.8%	0.5%	1.0%	0.6%	

Notes:  
Normal 25/26 and all forecast values are non-coincident as estimated by PJM staff.  
Normal 25/26 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency.  
All average growth rates are calculated from the first year of the forecast.

**Table B-3**

**SPRING (APRIL) PEAK LOAD (MW) FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2016 - 2031**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AE	1,336	1,336	1,343	1,360	1,352	1,355	1,328	1,318	1,345	1,336	1,343	1,339	1,303	1,308	1,310	1,300
BGE	4,719	4,757	4,818	4,857	4,893	4,937	4,845	4,852	4,950	4,958	5,038	5,079	4,966	5,034	5,057	5,080
DPL	2,688	2,707	2,785	2,808	2,857	2,871	2,785	2,761	2,853	2,892	2,952	2,944	2,828	2,906	2,918	2,947
JCPL	3,322	3,294	3,518	3,566	3,608	3,584	3,447	3,316	3,555	3,619	3,650	3,638	3,366	3,567	3,577	3,667
METED	2,221	2,262	2,298	2,318	2,330	2,351	2,324	2,342	2,377	2,390	2,431	2,451	2,433	2,467	2,492	2,510
PECO	5,827	5,840	6,068	6,154	6,155	6,180	6,085	6,031	6,259	6,294	6,383	6,411	6,257	6,441	6,500	6,560
PENLC	2,400	2,424	2,422	2,438	2,435	2,440	2,407	2,414	2,429	2,421	2,439	2,441	2,417	2,431	2,433	2,436
PEPCO	4,273	4,327	4,358	4,411	4,437	4,480	4,417	4,441	4,521	4,543	4,600	4,627	4,578	4,615	4,665	4,694
PL	5,859	5,912	6,019	6,101	6,103	6,117	6,036	6,021	6,188	6,207	6,289	6,312	6,213	6,337	6,408	6,465
PS	6,451	6,253	6,695	6,784	6,764	6,768	6,613	6,282	6,792	6,831	6,852	6,819	6,325	6,763	6,815	6,891
RECO	231	228	235	237	239	240	232	229	237	237	240	239	229	234	235	234
UGI	147	149	150	152	150	150	147	148	151	150	151	151	150	151	152	152
DIVERSITY - MID-ATLANTIC(-)	2,582	2,360	2,870	2,922	2,998	3,423	2,861	2,280	3,061	3,063	3,231	3,427	2,284	3,044	3,001	3,142
PJM MID-ATLANTIC	36,892	37,129	37,839	38,264	38,325	38,050	37,805	37,875	38,596	38,815	39,137	39,024	38,781	39,210	39,561	39,794
FE-EAST	7,488	7,511	7,656	7,694	7,793	7,790	7,642	7,618	7,710	7,811	7,914	7,959	7,765	7,851	7,891	8,000
PLGRP	5,866	5,886	6,016	6,069	6,050	6,028	6,031	6,002	6,130	6,165	6,195	6,224	6,185	6,312	6,371	6,428

**Table B-3**

**SPRING (APRIL) PEAK LOAD (MW) FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2016 - 2031**

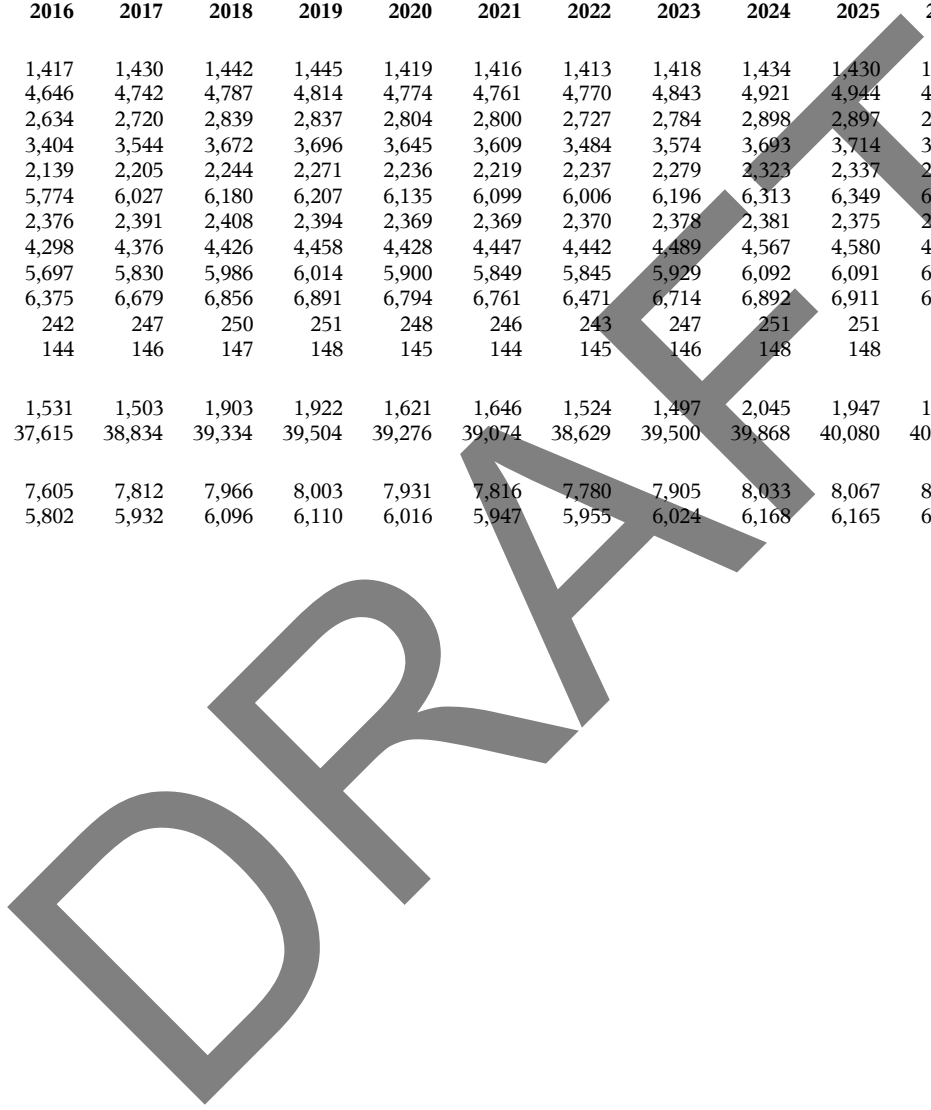
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AEP	19,002	19,186	19,940	20,424	20,454	20,779	20,122	20,070	21,258	21,329	21,679	21,669	21,021	21,792	22,309	22,410
APS	7,094	7,309	7,479	7,621	7,655	7,695	7,623	7,657	7,864	7,904	8,012	8,023	7,958	8,113	8,172	8,259
ATSI	9,167	9,285	9,343	9,523	9,436	9,505	9,406	9,459	9,678	9,616	9,732	9,753	9,691	9,792	9,948	9,920
COMED	13,632	13,796	14,210	14,459	14,614	14,716	14,455	14,553	15,033	15,276	15,559	15,576	15,262	15,741	15,953	16,193
DAYTON	2,452	2,471	2,555	2,640	2,647	2,653	2,592	2,575	2,707	2,729	2,789	2,789	2,692	2,801	2,840	2,866
DEOK	3,839	3,917	4,077	4,149	4,145	4,187	4,052	4,093	4,307	4,326	4,374	4,419	4,292	4,490	4,552	4,584
DLCO	2,072	2,067	2,189	2,217	2,241	2,256	2,129	2,096	2,239	2,260	2,294	2,301	2,147	2,266	2,298	2,331
EKPC	1,662	1,687	1,703	1,726	1,733	1,760	1,738	1,747	1,795	1,799	1,811	1,824	1,800	1,818	1,855	1,863
DIVERSITY - WESTERN(-)	1,998	2,573	1,443	2,010	2,627	3,167	2,204	2,604	2,653	2,845	3,296	3,095	2,793	2,277	2,821	2,830
PJM WESTERN	56,922	57,145	60,053	60,749	60,298	60,384	59,913	59,646	62,228	62,394	62,954	63,259	62,070	64,536	65,106	65,596
DOM	15,690	16,166	16,755	17,263	17,595	17,763	17,496	17,508	18,113	18,413	18,757	18,910	18,576	18,866	19,193	19,559
DIVERSITY - INTERREGIONAL(-)	1,184	2,511	929	546	-619	-861	1,599	2,905	239	-614	-786	-151	3,384	1,135	839	-756
PJM RTO	108,320	107,929	113,718	115,730	116,837	117,058	113,615	112,124	118,698	120,236	121,634	121,344	116,043	121,477	123,021	125,705

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**Table B-4**

**FALL (OCTOBER) PEAK LOAD (MW) FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2016 - 2031**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AE	1,417	1,430	1,442	1,445	1,419	1,416	1,413	1,418	1,434	1,430	1,424	1,423	1,425	1,444	1,443	1,435
BGE	4,646	4,742	4,787	4,814	4,774	4,761	4,770	4,843	4,921	4,944	4,945	4,919	4,966	5,054	5,083	5,091
DPL	2,634	2,720	2,839	2,837	2,804	2,800	2,727	2,784	2,898	2,897	2,903	2,899	2,877	3,009	3,017	3,002
JCPL	3,404	3,544	3,672	3,696	3,645	3,609	3,484	3,574	3,693	3,714	3,706	3,677	3,663	3,773	3,787	3,809
METED	2,139	2,205	2,244	2,271	2,236	2,219	2,237	2,279	2,323	2,337	2,344	2,328	2,381	2,429	2,454	2,470
PECO	5,774	6,027	6,180	6,207	6,135	6,099	6,006	6,196	6,313	6,349	6,349	6,351	6,428	6,561	6,610	6,641
PENLC	2,376	2,391	2,408	2,394	2,369	2,369	2,370	2,378	2,381	2,375	2,368	2,374	2,379	2,400	2,385	2,386
PEPCO	4,298	4,376	4,426	4,458	4,428	4,447	4,442	4,489	4,567	4,580	4,583	4,599	4,632	4,712	4,742	4,765
PL	5,697	5,830	5,986	6,014	5,900	5,849	5,845	5,929	6,092	6,091	6,090	6,016	6,093	6,270	6,306	6,312
PS	6,375	6,679	6,856	6,891	6,794	6,761	6,471	6,714	6,892	6,911	6,883	6,854	6,820	7,006	7,039	7,047
RECO	242	247	250	251	248	246	243	247	251	251	250	247	248	252	253	251
UGI	144	146	147	148	145	144	145	146	148	148	147	145	147	149	151	150
DIVERSITY - MID-ATLANTIC(-)	1,531	1,503	1,903	1,922	1,621	1,646	1,524	1,497	2,045	1,947	1,745	1,626	1,576	1,983	2,004	1,891
PJM MID-ATLANTIC	37,615	38,834	39,334	39,504	39,276	39,074	38,629	39,500	39,868	40,080	40,247	40,206	40,483	41,076	41,266	41,468
FE-EAST	7,605	7,812	7,966	8,003	7,931	7,816	7,780	7,905	8,033	8,067	8,072	8,018	8,117	8,228	8,257	8,304
PLGRP	5,802	5,932	6,096	6,110	6,016	5,947	5,955	6,024	6,168	6,165	6,178	6,102	6,192	6,349	6,374	6,380



**Table B-4**

**FALL (OCTOBER) PEAK LOAD (MW) FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2016 - 2031**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AEP	18,322	18,781	19,441	19,803	19,205	19,262	19,367	19,740	20,633	20,456	20,370	20,451	20,729	21,583	21,924	21,813
APS	6,860	7,151	7,389	7,421	7,289	7,285	7,372	7,513	7,657	7,662	7,629	7,630	7,790	8,020	8,031	8,021
ATSI	8,983	9,104	9,160	9,221	9,153	9,184	9,234	9,305	9,390	9,429	9,451	9,470	9,552	9,662	9,726	9,752
COMED	13,757	14,135	14,545	14,694	14,560	14,539	14,550	14,806	15,221	15,348	15,407	15,421	15,629	16,036	16,191	16,313
DAYTON	2,398	2,465	2,568	2,602	2,561	2,554	2,513	2,559	2,675	2,682	2,689	2,688	2,680	2,804	2,834	2,827
DEOK	3,877	3,985	4,053	4,087	4,049	4,057	4,077	4,146	4,228	4,253	4,272	4,283	4,337	4,465	4,486	4,515
DLCO	1,995	2,024	2,181	2,165	2,150	2,160	2,034	2,048	2,190	2,202	2,201	2,217	2,094	2,277	2,271	2,275
EKPC	1,634	1,655	1,669	1,688	1,671	1,682	1,702	1,711	1,743	1,756	1,751	1,741	1,769	1,795	1,810	1,823
DIVERSITY - WESTERN(-)	2,055	2,059	1,303	1,527	840	1,080	2,266	2,284	1,735	1,465	1,005	1,476	2,389	1,815	2,038	1,663
PJM WESTERN	55,771	57,241	59,703	60,154	59,798	59,643	58,583	59,544	62,002	62,323	62,765	62,425	62,191	64,827	65,235	65,676
DOM	15,106	15,765	16,321	16,511	16,280	16,430	16,703	17,044	17,316	17,323	17,463	17,608	18,030	18,403	18,495	18,481
DIVERSITY - INTERREGIONAL(-)	2,501	2,996	2,568	2,466	2,083	2,916	2,391	2,601	2,369	2,322	2,274	2,579	2,631	2,360	2,196	2,113
PJM RTO	105,991	108,844	112,790	113,703	113,271	112,231	111,524	113,487	116,817	117,404	118,201	117,660	118,073	121,946	122,800	123,512

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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 2016	1,626	5,940	3,412	3,765	2,593	6,652	2,814	5,385	7,209	6,711	227	192	704	45,822
Feb 2016	1,561	5,614	3,261	3,673	2,493	6,364	2,778	5,149	6,818	6,498	219	182	933	43,677
Mar 2016	1,379	5,044	2,917	3,205	2,368	5,872	2,576	4,573	6,376	5,981	206	167	1,491	39,173
Apr 2016	1,336	4,719	2,688	3,322	2,221	5,827	2,400	4,273	5,859	6,451	220	147	2,571	36,892
May 2016	1,699	5,522	3,018	4,141	2,429	6,666	2,465	5,253	5,933	7,634	296	147	1,785	43,418
Jun 2016	2,238	6,565	3,715	5,440	2,801	8,133	2,781	6,280	6,801	9,509	379	174	676	54,140
Jul 2016	2,524	6,945	3,991	5,967	2,939	8,547	2,890	6,563	7,192	10,089	407	188	1,068	57,174
Aug 2016	2,416	6,724	3,830	5,423	2,834	8,116	2,766	6,372	6,863	9,365	367	173	722	54,527
Sep 2016	1,946	5,849	3,263	4,542	2,491	7,153	2,581	5,585	6,195	8,140	316	157	942	47,276
Oct 2016	1,417	4,646	2,634	3,404	2,139	5,774	2,376	4,298	5,697	6,375	242	144	1,531	37,615
Nov 2016	1,387	4,743	2,696	3,241	2,250	5,789	2,505	4,342	6,147	6,041	214	162	492	39,025
Dec 2016	1,614	5,523	3,172	3,820	2,519	6,500	2,807	5,202	6,817	6,753	238	187	580	44,572
Jan 2017	1,632	5,994	3,462	3,823	2,638	6,770	2,829	5,453	7,298	6,801	228	194	619	46,503
Feb 2017	1,569	5,659	3,318	3,717	2,534	6,491	2,794	5,206	6,917	6,590	220	184	774	44,425
Mar 2017	1,388	5,095	2,956	3,258	2,418	5,968	2,594	4,600	6,481	6,071	208	170	1,444	39,763
Apr 2017	1,336	4,757	2,707	3,294	2,262	5,840	2,424	4,327	5,912	6,253	228	149	2,360	37,129
May 2017	1,710	5,564	3,068	4,257	2,475	6,778	2,479	5,327	6,020	7,775	298	149	1,595	44,305
Jun 2017	2,244	6,601	3,762	5,515	2,849	8,258	2,807	6,326	6,878	9,581	382	176	686	54,693
Jul 2017	2,530	6,989	4,031	6,038	2,975	8,658	2,900	6,614	7,270	10,173	409	190	1,041	57,736
Aug 2017	2,417	6,754	3,860	5,484	2,878	8,216	2,785	6,420	6,905	9,416	369	174	664	55,014
Sep 2017	1,956	5,870	3,310	4,607	2,526	7,248	2,586	5,618	6,289	8,214	317	158	1,077	47,622
Oct 2017	1,430	4,742	2,720	3,544	2,205	6,027	2,391	4,376	5,830	6,679	247	146	1,503	38,834
Nov 2017	1,401	4,797	2,742	3,292	2,293	5,884	2,520	4,389	6,242	6,104	215	164	547	39,496
Dec 2017	1,617	5,552	3,214	3,871	2,560	6,585	2,801	5,252	6,886	6,799	235	189	538	45,023
Jan 2018	1,640	6,044	3,507	3,881	2,679	6,859	2,837	5,511	7,385	6,869	229	196	627	47,010
Feb 2018	1,579	5,710	3,366	3,786	2,582	6,574	2,800	5,266	6,999	6,657	221	186	717	45,009
Mar 2018	1,387	5,118	2,980	3,289	2,451	5,994	2,597	4,637	6,545	6,092	208	171	1,554	39,915
Apr 2018	1,343	4,818	2,785	3,518	2,298	6,068	2,422	4,358	6,019	6,695	235	150	2,870	37,839
May 2018	1,716	5,606	3,098	4,324	2,512	6,869	2,491	5,388	6,093	7,851	300	151	1,612	44,787
Jun 2018	2,251	6,652	3,775	5,564	2,880	8,340	2,806	6,342	6,930	9,592	380	177	745	54,944
Jul 2018	2,534	7,060	4,055	6,096	3,019	8,745	2,904	6,630	7,338	10,234	411	191	1,023	58,194
Aug 2018	2,423	6,827	3,892	5,534	2,906	8,293	2,786	6,445	6,973	9,435	369	175	691	55,367
Sep 2018	1,960	5,894	3,343	4,651	2,558	7,323	2,585	5,637	6,348	8,254	318	159	1,004	48,026
Oct 2018	1,442	4,787	2,839	3,672	2,244	6,180	2,408	4,426	5,986	6,856	250	147	1,903	39,334
Nov 2018	1,403	4,829	2,781	3,322	2,316	5,953	2,534	4,415	6,286	6,132	215	164	545	39,805
Dec 2018	1,633	5,606	3,259	3,913	2,607	6,667	2,826	5,319	6,982	6,881	237	191	735	45,386



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	WESTERN DIVERSITY	PJM WESTERN	DOM	INTER REGION DIVERSITY	PJM RTO
Jan 2016	22,511	8,508	10,547	15,430	2,848	4,421	2,158	2,596	1,199	67,820	17,428	826	130,244
Feb 2016	21,483	8,144	10,426	15,179	2,745	4,247	2,089	2,358	1,429	65,242	16,086	641	124,364
Mar 2016	20,468	7,760	9,695	13,798	2,547	3,905	1,989	2,053	1,798	60,417	15,908	767	114,731
Apr 2016	19,002	7,094	9,167	13,632	2,452	3,839	2,072	1,662	1,998	56,922	15,690	1,184	108,320
May 2016	19,579	7,381	10,407	16,699	2,750	4,432	2,339	1,557	2,540	62,604	17,010	3,437	119,595
Jun 2016	22,156	8,467	12,467	20,493	3,184	5,176	2,796	1,868	1,130	75,477	18,688	4,206	144,099
Jul 2016	23,010	8,816	12,920	21,998	3,403	5,436	2,893	1,956	1,575	78,857	19,529	3,395	152,165
Aug 2016	22,785	8,643	12,587	21,323	3,337	5,386	2,828	1,947	981	77,855	19,225	3,681	147,926
Sep 2016	20,563	7,717	11,071	18,024	2,923	4,761	2,479	1,708	1,307	67,939	17,300	4,093	128,422
Oct 2016	18,322	6,860	8,983	13,757	2,398	3,877	1,995	1,634	2,055	55,771	15,106	2,501	105,991
Nov 2016	19,328	7,315	9,397	13,933	2,504	3,796	1,947	1,938	1,194	58,964	14,797	1,882	110,904
Dec 2016	21,271	8,130	10,586	15,835	2,760	4,277	2,145	2,362	1,052	66,314	16,260	1,340	125,806
Jan 2017	22,899	8,760	10,658	15,662	2,901	4,490	2,181	2,628	1,195	68,984	18,064	1,066	132,485
Feb 2017	21,777	8,397	10,519	15,391	2,796	4,310	2,115	2,390	1,584	66,111	16,687	678	126,545
Mar 2017	20,809	8,010	9,795	14,080	2,593	3,976	2,002	2,084	1,803	61,546	16,416	1,981	115,744
Apr 2017	19,186	7,309	9,285	13,796	2,471	3,917	2,067	1,687	2,573	57,145	16,166	2,511	107,929
May 2017	19,846	7,590	10,498	16,945	2,796	4,487	2,358	1,575	2,496	63,599	17,507	3,969	121,442
Jun 2017	22,470	8,666	12,549	20,798	3,238	5,231	2,824	1,884	1,254	76,406	19,209	4,140	146,168
Jul 2017	23,313	9,016	13,005	22,215	3,454	5,501	2,918	1,976	1,575	79,823	20,053	3,428	154,184
Aug 2017	23,066	8,827	12,666	21,597	3,384	5,443	2,851	1,962	886	78,910	19,712	3,720	149,916
Sep 2017	20,875	7,916	11,066	18,266	2,949	4,802	2,491	1,723	1,471	68,617	17,924	4,421	129,742
Oct 2017	18,781	7,151	9,104	14,135	2,465	3,985	2,024	1,655	2,059	57,241	15,765	2,996	108,844
Nov 2017	19,798	7,550	9,492	14,161	2,545	3,867	1,964	1,965	1,046	60,296	15,460	2,285	112,967
Dec 2017	21,611	8,333	10,651	16,055	2,805	4,318	2,154	2,391	1,188	67,130	16,743	1,082	127,814
Jan 2018	23,307	8,990	10,748	15,941	2,955	4,549	2,196	2,657	1,303	70,040	18,624	1,028	134,646
Feb 2018	22,159	8,612	10,597	15,651	2,850	4,354	2,127	2,414	1,781	66,983	17,189	590	128,591
Mar 2018	21,191	8,145	9,869	14,276	2,639	4,040	2,016	2,103	1,770	62,509	17,014	2,292	117,146
Apr 2018	19,940	7,479	9,343	14,210	2,555	4,077	2,189	1,703	1,443	60,053	16,755	929	113,718
May 2018	20,213	7,721	10,595	17,180	2,844	4,561	2,381	1,592	2,465	64,622	18,222	4,065	123,566
Jun 2018	22,767	8,783	12,643	20,927	3,276	5,294	2,839	1,891	1,291	77,129	19,675	4,245	147,503
Jul 2018	23,585	9,129	13,089	22,437	3,496	5,566	2,938	1,994	1,569	80,665	20,500	3,408	155,951
Aug 2018	23,351	8,943	12,761	21,767	3,424	5,502	2,873	1,973	925	79,669	20,166	4,806	150,396
Sep 2018	21,104	8,031	11,102	18,354	2,969	4,814	2,496	1,731	1,864	68,737	18,463	4,607	130,619
Oct 2018	19,441	7,389	9,160	14,545	2,568	4,053	2,181	1,669	1,303	59,703	16,321	2,568	112,790
Nov 2018	20,149	7,732	9,541	14,293	2,575	3,918	1,986	1,969	1,205	60,958	16,018	2,406	114,375
Dec 2018	22,045	8,512	10,831	16,294	2,856	4,387	2,186	2,430	1,328	68,213	17,204	1,163	129,640

**Table B-6**

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

	<b>FE EAST</b>	<b>PLGRP</b>
Jan 2016	9,095	7,387
Feb 2016	8,878	7,000
Mar 2016	7,905	6,423
Apr 2016	7,488	5,866
May 2016	8,691	5,971
Jun 2016	10,893	6,975
Jul 2016	11,538	7,336
Aug 2016	10,955	7,036
Sep 2016	9,361	6,339
Oct 2016	7,605	5,802
Nov 2016	7,919	6,297
Dec 2016	9,132	7,004

	<b>FE EAST</b>	<b>PLGRP</b>
Jan 2017	9,229	7,476
Feb 2017	8,983	7,084
Mar 2017	7,962	6,499
Apr 2017	7,511	5,886
May 2017	8,861	6,054
Jun 2017	10,990	7,054
Jul 2017	11,655	7,417
Aug 2017	11,038	7,079
Sep 2017	9,443	6,426
Oct 2017	7,812	5,932
Nov 2017	8,033	6,401
Dec 2017	9,208	7,074

	<b>FE EAST</b>	<b>PLGRP</b>
Jan 2018	9,335	7,566
Feb 2018	9,103	7,173
Mar 2018	8,032	6,578
Apr 2018	7,656	6,016
May 2018	8,963	6,129
Jun 2018	11,072	7,107
Jul 2018	11,762	7,487
Aug 2018	11,107	7,149
Sep 2018	9,511	6,489
Oct 2018	7,966	6,096
Nov 2018	8,095	6,450
Dec 2018	9,314	7,158

**Table B-8**

**DISTRIBUTED SOLAR ADJUSTMENTS TO SUMMER PEAK LOAD (MW) FOR EACH PJM ZONE AND RTO 2016-2031**

Zone	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AE	69	74	75	77	78	80	83	86	90	97	107	118	130	144	159	173
BGE	35	47	59	68	72	73	74	76	78	82	87	93	103	116	130	146
DPL	40	47	57	65	71	77	86	96	104	112	120	130	142	158	178	205
JCPL	100	107	110	112	115	118	122	127	134	145	161	180	200	223	246	270
METED	10	11	12	13	14	15	16	16	17	18	18	19	20	21	22	23
PECO	13	15	17	20	23	24	26	27	29	31	32	34	35	37	40	43
PENLC	4	6	8	9	11	13	14	15	16	17	18	19	20	22	23	25
PEPCO	24	32	40	46	49	50	51	53	55	58	61	66	72	81	90	100
PL	28	32	35	38	42	44	46	48	50	52	54	57	59	61	65	69
PS	125	136	141	145	149	154	160	169	180	197	220	249	280	315	351	387
RECO	3	3	3	4	4	4	4	4	5	5	6	7	8	9	11	12
UGI	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
AEP	18	26	35	44	55	67	80	95	110	126	143	156	169	184	201	222
APS	9	12	16	19	21	22	24	26	28	30	32	35	38	42	47	53
ATSI	18	22	27	32	37	43	48	53	59	65	71	73	74	76	77	80
COMED	19	24	28	32	36	42	50	58	66	74	83	91	99	108	116	126
DAYTON	3	4	5	6	7	9	10	11	12	13	15	15	15	16	16	16
DEOK	3	5	6	7	9	10	12	13	15	16	18	19	19	19	20	20
DLCO	2	3	4	5	6	7	8	8	9	10	10	11	11	12	13	14
EKPC	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2
DOM	50	72	86	103	124	147	175	206	237	270	304	340	378	419	464	513
PJM RTO	576	680	765	847	925	1,001	1,090	1,189	1,296	1,419	1,562	1,712	1,876	2,064	2,273	2,501

DRAFT

Note: Adjustment values presented here are reflected in Tables B-1 through B-6 and Tables B-10 and B-11  
Adjustments reflect the impact of historical distributed solar generation and forecasted distributed solar generation

Table B-9

ADJUSTMENTS TO SUMMER PEAK LOAD (MW) FOR  
EACH PJM ZONE AND RTO  
2016 - 2031

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JCPL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
METED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PECO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEPCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RECO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UGI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AEP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APS	120	220	250	280	280	270	260	260	250	240	230	230	220	210	210	200
ATSI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAYTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEOK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EKPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOM	240	410	560	680	730	810	860	900	930	960	990	1,010	1,020	1,040	1,050	1,050
PJM RTO	360	630	810	960	1,010	1,080	1,120	1,160	1,180	1,200	1,220	1,240	1,240	1,250	1,260	1,250



Notes:  
Adjustment values presented here are reflected in Tables B-1 through B-6 and Tables B-10, B-11 and B12.  
Adjustments are large, unanticipated load changes deemed by PJM to not be captured in the forecast model.

**Table B-10**

**SUMMER COINCIDENT PEAK LOAD (MW) FOR  
EACH PJM ZONE, LOCATIONAL DELIVERABILITY AREA AND RTO  
2016 - 2031**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AE	2,435	2,442	2,447	2,445	2,430	2,418	2,414	2,415	2,414	2,414	2,409	2,405	2,404	2,402	2,392	2,389
BGE	6,663	6,716	6,766	6,758	6,778	6,763	6,773	6,814	6,833	6,894	6,917	6,924	6,965	7,015	7,013	7,072
DPL	3,838	3,878	3,907	3,916	3,917	3,908	3,912	3,926	3,941	3,966	3,977	3,982	4,003	4,023	4,027	4,038
JCPL	5,749	5,820	5,883	5,891	5,859	5,860	5,856	5,871	5,886	5,905	5,916	5,946	5,958	5,996	5,992	6,020
METED	2,824	2,856	2,907	2,937	2,931	2,940	2,949	2,961	3,009	3,034	3,058	3,087	3,100	3,148	3,183	3,211
PECO	8,254	8,363	8,455	8,498	8,500	8,491	8,527	8,587	8,646	8,695	8,796	8,837	8,923	9,010	9,076	9,144
PENLC	2,764	2,774	2,776	2,779	2,781	2,769	2,768	2,772	2,773	2,772	2,786	2,785	2,790	2,794	2,798	2,798
PEPCO	6,287	6,332	6,352	6,388	6,414	6,405	6,383	6,406	6,427	6,471	6,511	6,525	6,528	6,558	6,582	6,631
PL	6,906	6,982	7,051	7,083	7,059	7,073	7,095	7,128	7,167	7,205	7,243	7,303	7,350	7,412	7,452	7,501
PS	9,719	9,787	9,863	9,868	9,841	9,818	9,810	9,820	9,805	9,830	9,843	9,869	9,879	9,896	9,875	9,906
RECO	388	391	393	393	392	391	391	391	391	392	392	392	393	393	393	393
UGI	180	182	183	183	182	181	181	181	182	182	183	183	184	184	185	185
AEP	22,146	22,442	22,706	22,896	22,868	23,005	23,146	23,347	23,546	23,689	23,852	24,075	24,313	24,539	24,748	24,920
APS	8,496	8,699	8,817	8,897	8,901	8,926	8,964	9,031	9,084	9,142	9,195	9,256	9,329	9,400	9,461	9,531
ATSI	12,396	12,476	12,545	12,617	12,581	12,618	12,648	12,692	12,767	12,801	12,845	12,922	12,977	13,057	13,143	13,193
COMED	21,210	21,454	21,692	21,853	21,862	21,973	22,116	22,268	22,446	22,618	22,776	22,987	23,192	23,339	23,594	23,789
DAYTON	3,229	3,276	3,317	3,344	3,330	3,341	3,359	3,386	3,416	3,435	3,455	3,482	3,514	3,550	3,577	3,600
DEOK	5,193	5,259	5,330	5,375	5,386	5,403	5,433	5,479	5,528	5,573	5,607	5,645	5,700	5,756	5,809	5,856
DLCO	2,772	2,796	2,818	2,827	2,817	2,819	2,822	2,831	2,841	2,848	2,858	2,874	2,889	2,905	2,917	2,928
EKPC	1,889	1,909	1,928	1,944	1,948	1,959	1,969	1,983	2,000	2,011	2,022	2,036	2,049	2,067	2,082	2,097
DOM	18,827	19,348	19,814	20,105	20,147	20,334	20,503	20,718	20,918	21,096	21,272	21,493	21,727	21,966	22,131	22,279
PJM RTO	152,165	154,182	155,950	156,997	156,924	157,395	158,019	159,007	160,020	160,973	161,913	163,008	164,167	165,410	166,430	167,481
PJM MID-ATLANTIC	56,007	56,523	56,983	57,139	57,084	57,017	57,059	57,272	57,474	57,760	58,031	58,238	58,477	58,831	58,968	59,288
EASTERN MID-ATLANTIC	30,383	30,681	30,948	31,011	30,939	30,886	30,910	31,010	31,083	31,202	31,333	31,431	31,560	31,720	31,755	31,890
SOUTHERN MID-ATLANTIC	12,950	13,048	13,118	13,146	13,192	13,168	13,156	13,220	13,260	13,365	13,428	13,449	13,493	13,573	13,595	13,703
MID-ATLANTIC and APS	64,503	65,222	65,800	66,036	65,985	65,943	66,023	66,303	66,558	66,902	67,226	67,494	67,806	68,231	68,429	68,819

Notes:  
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.

**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 (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	16,762	23,492	16,343	21,160
2017	16,898	23,726	16,571	21,455
2018	17,183	23,925	16,813	21,670
2019	17,308	24,039	16,881	21,810
2020	17,300	24,018	16,769	21,758
2021	17,364	24,018	16,774	21,779
2022	17,305	24,087	16,851	21,875
2023	17,286	24,182	17,002	21,934
2024	17,621	24,303	17,190	22,041
2025	17,629	24,440	17,245	22,120
2026	17,824	24,563	17,319	22,222
2027	17,901	24,683	17,342	22,351
2028	17,815	24,833	17,581	22,531
2029	18,026	25,007	17,767	22,636
2030	18,139	25,128	17,865	22,748
2031	18,190	25,276	17,957	22,856

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

<b>YEAR</b>	<b>SPRING (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	17,223	24,996	17,592	22,050
2017	17,353	25,238	17,965	22,289
2018	17,597	25,259	18,433	22,545
2019	17,760	25,566	18,517	22,674
2020	18,130	25,635	18,298	22,613
2021	18,123	25,632	18,213	22,627
2022	17,813	25,622	18,096	22,693
2023	17,849	25,762	18,422	22,779
2024	18,073	25,889	18,784	22,887
2025	18,313	26,138	18,786	22,981
2026	18,623	26,267	18,818	23,079
2027	18,714	26,394	18,835	23,200
2028	18,465	26,489	19,076	23,334
2029	18,656	26,464	19,386	23,483
2030	18,798	26,814	19,486	23,588
2031	19,132	27,081	19,492	23,709

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 (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	10,283	13,028	10,197	12,734
2017	10,338	13,161	10,407	12,880
2018	10,540	13,268	10,553	13,023
2019	10,618	13,335	10,590	13,094
2020	10,603	13,318	10,450	13,048
2021	10,606	13,334	10,353	13,036
2022	10,605	13,381	10,434	13,097
2023	10,555	13,429	10,553	13,112
2024	10,767	13,501	10,664	13,184
2025	10,839	13,574	10,661	13,231
2026	10,902	13,658	10,673	13,258
2027	10,920	13,750	10,644	13,324
2028	10,875	13,833	10,821	13,420
2029	11,053	13,935	10,950	13,473
2030	11,137	14,023	11,001	13,536
2031	11,209	14,117	10,984	13,602

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

<b>YEAR</b>	<b>SPRING (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	10,523	13,822	10,460	13,151
2017	10,584	13,975	10,684	13,304
2018	10,785	14,073	10,892	13,449
2019	10,904	14,156	10,940	13,518
2020	10,844	14,142	10,824	13,467
2021	10,823	14,150	10,685	13,459
2022	10,799	14,203	10,717	13,490
2023	10,820	14,268	10,867	13,531
2024	11,029	14,345	11,071	13,589
2025	11,100	14,471	11,080	13,629
2026	11,142	14,514	11,071	13,676
2027	11,180	14,614	11,001	13,741
2028	11,097	14,717	11,166	13,809
2029	11,195	14,796	11,409	13,881
2030	11,341	14,911	11,470	13,941
2031	11,441	15,063	11,484	13,995

**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 (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	18,796	31,278	19,695	22,194
2017	18,629	31,599	20,365	22,499
2018	19,884	31,716	20,904	22,740
2019	20,081	31,924	21,065	22,922
2020	20,048	31,885	20,794	22,799
2021	19,829	31,709	20,543	22,732
2022	19,318	31,855	20,168	22,781
2023	18,966	31,930	20,688	22,852
2024	20,120	32,019	21,136	22,949
2025	20,393	32,191	21,151	23,004
2026	20,374	32,315	21,180	23,092
2027	20,350	32,292	21,028	23,211
2028	19,266	32,509	21,215	23,365
2029	20,388	32,568	21,567	23,496
2030	20,468	32,733	21,706	23,626
2031	20,771	32,929	21,696	23,706

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

<b>YEAR</b>	<b>SPRING (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	21,250	33,423	23,182	22,860
2017	21,294	33,998	23,841	23,140
2018	21,653	34,023	24,599	23,412
2019	21,893	34,308	24,428	23,524
2020	21,809	34,170	23,976	23,417
2021	22,464	34,081	23,712	23,394
2022	21,823	34,070	23,647	23,408
2023	21,670	34,367	24,130	23,475
2024	22,025	34,422	24,572	23,570
2025	22,121	34,609	24,893	23,617
2026	22,224	34,648	24,347	23,704
2027	22,909	34,720	24,232	23,835
2028	22,184	35,023	24,660	23,963
2029	22,427	34,932	25,283	24,095
2030	22,648	35,219	25,266	24,199
2031	22,749	35,449	25,610	24,302



**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 (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	8,638	13,393	8,719	11,306
2017	8,690	13,492	8,874	11,415
2018	8,778	13,579	9,049	11,491
2019	8,828	13,624	9,072	11,541
2020	8,856	13,662	8,976	11,589
2021	8,931	13,653	8,952	11,604
2022	8,883	13,636	8,974	11,649
2023	8,892	13,678	9,125	11,686
2024	9,033	13,741	9,245	11,700
2025	9,107	13,857	9,275	11,794
2026	9,140	13,912	9,304	11,845
2027	9,204	13,958	9,259	11,905
2028	9,149	13,968	9,382	11,988
2029	9,210	14,044	9,518	12,008
2030	9,324	14,097	9,545	12,068
2031	9,390	14,224	9,573	12,162

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

<b>YEAR</b>	<b>SPRING (WK 14-19)</b>	<b>SUMMER (WK 20-39)</b>	<b>FALL (WK 40-45)</b>	<b>WINTER (WK 46-13)</b>
2016	9,534	14,271	9,831	11,802
2017	9,542	14,394	10,089	11,903
2018	9,690	14,430	10,324	12,016
2019	9,743	14,455	10,348	12,066
2020	9,807	14,471	10,215	12,066
2021	9,769	14,489	10,185	12,088
2022	9,778	14,535	10,069	12,123
2023	9,797	14,587	10,325	12,169
2024	9,918	14,587	10,487	12,222
2025	9,979	14,667	10,530	12,271
2026	10,093	14,742	10,513	12,326
2027	10,098	14,814	10,474	12,385
2028	10,048	14,908	10,646	12,452
2029	10,217	14,947	10,758	12,523
2030	10,259	14,982	10,803	12,580
2031	10,331	15,063	10,848	12,641

**Table D-1**

**SUMMER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2016 - 2031**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AE	2,637	2,650	2,647	2,659	2,634	2,625	2,623	2,625	2,630	2,634	2,619	2,617	2,620	2,611	2,615	2,616
BGE	7,367	7,432	7,445	7,450	7,462	7,473	7,499	7,534	7,531	7,574	7,617	7,652	7,704	7,722	7,735	7,776
DPL	4,159	4,205	4,221	4,249	4,230	4,237	4,246	4,256	4,274	4,296	4,297	4,319	4,341	4,349	4,371	4,381
JCPL	6,481	6,562	6,589	6,653	6,591	6,588	6,601	6,615	6,654	6,683	6,664	6,695	6,726	6,732	6,792	6,830
METED	3,043	3,120	3,121	3,178	3,180	3,195	3,186	3,240	3,260	3,292	3,322	3,359	3,391	3,388	3,452	3,491
PECO	9,009	9,144	9,210	9,260	9,264	9,297	9,353	9,411	9,443	9,525	9,601	9,690	9,783	9,838	9,917	10,023
PENLC	3,027	3,049	3,047	3,045	3,044	3,039	3,043	3,050	3,043	3,051	3,059	3,064	3,078	3,078	3,080	3,090
PEPCO	6,904	6,962	6,985	7,005	7,010	7,016	7,036	7,053	7,056	7,093	7,125	7,162	7,204	7,225	7,247	7,287
PL	7,557	7,674	7,700	7,726	7,779	7,744	7,795	7,858	7,837	7,974	7,998	8,015	8,118	8,127	8,171	8,318
PS	10,874	10,989	10,904	11,039	11,003	10,886	10,996	11,012	10,974	11,023	11,018	10,949	11,103	10,950	11,073	11,147
RECO	444	448	452	449	448	448	448	448	447	449	449	450	451	453	451	452
UGI	202	205	206	207	205	204	203	204	205	206	205	206	207	208	209	210
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	540 61,164	617 61,823	537 61,990	1 62,919	431 62,419	324 62,428	537 62,492	620 62,686	0 63,354	163 63,637	470 63,504	332 63,846	630 64,096	537 64,144	0 65,113	151 65,470
FE-EAST PLGRP	12,422 7,759	12,564 7,879	12,661 7,906	12,714 7,933	12,688 7,983	12,671 7,948	12,699 7,998	12,740 8,062	12,795 8,042	12,860 8,179	12,912 8,203	12,962 8,221	13,028 8,325	13,097 8,335	13,162 8,379	13,248 8,527

**Table D-1**

**SUMMER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2016 - 2031**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
AEP	23,953	24,304	24,437	24,605	24,677	24,898	25,090	25,279	25,320	25,549	25,758	26,092	26,340	26,469	26,633	26,894
APS	9,008	9,248	9,362	9,440	9,426	9,466	9,519	9,619	9,647	9,687	9,749	9,834	9,953	10,017	10,069	10,110
ATSI	13,454	13,571	13,623	13,654	13,664	13,708	13,765	13,820	13,834	13,911	13,979	14,063	14,156	14,224	14,266	14,362
COMED	24,085	24,289	24,453	24,691	24,645	24,791	25,041	25,139	25,317	25,534	25,666	25,905	26,155	26,336	26,561	26,814
DAYTON	3,548	3,587	3,619	3,653	3,640	3,657	3,693	3,706	3,732	3,752	3,779	3,811	3,847	3,874	3,906	3,933
DEOK	5,678	5,743	5,788	5,828	5,847	5,882	5,935	5,960	5,992	6,044	6,091	6,146	6,196	6,247	6,290	6,351
DLCO	3,026	3,057	3,068	3,075	3,073	3,075	3,083	3,092	3,091	3,106	3,121	3,139	3,158	3,167	3,177	3,196
EKPC	2,107	2,134	2,146	2,163	2,166	2,189	2,203	2,218	2,235	2,254	2,264	2,289	2,303	2,327	2,343	2,366
DIVERSITY - WESTERN(-)	448	585	275	210	195	388	570	564	228	331	289	482	580	347	198	307
PJM WESTERN	84,411	85,348	86,221	86,899	86,943	87,278	87,759	88,269	88,940	89,506	90,118	90,797	91,528	92,314	93,047	93,719
DOM	20,433	20,992	21,389	21,685	21,790	21,993	22,195	22,391	22,531	22,776	22,983	23,230	23,468	23,669	23,837	24,055
DIVERSITY - INTERREGIONAL(-)	2,257	2,004	1,731	2,300	1,974	2,068	2,331	1,935	2,219	2,268	1,968	2,030	1,979	1,897	2,322	2,375
PJM RTO	163,751	166,159	167,869	169,203	169,178	169,631	170,115	171,411	172,606	173,651	174,637	175,843	177,113	178,230	179,675	180,869

Table D-2

WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION  
2015/16 - 2030/31

	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31
AE	1,674	1,679	1,685	1,685	1,671	1,667	1,663	1,662	1,663	1,663	1,665	1,670	1,675	1,679	1,682	1,683
BGE	6,184	6,230	6,281	6,303	6,297	6,309	6,324	6,349	6,372	6,399	6,427	6,455	6,487	6,519	6,546	6,578
DPL	3,565	3,613	3,659	3,682	3,683	3,694	3,707	3,728	3,749	3,773	3,794	3,817	3,841	3,869	3,891	3,919
JCPL	3,846	3,902	3,955	3,992	3,946	3,931	3,934	3,944	3,952	3,940	3,951	3,970	4,012	4,018	4,079	4,061
METED	2,662	2,716	2,758	2,790	2,784	2,782	2,787	2,813	2,830	2,839	2,858	2,876	2,898	2,924	2,967	2,970
PECO	6,840	6,938	7,023	7,064	7,029	7,037	7,059	7,094	7,132	7,164	7,201	7,246	7,292	7,344	7,377	7,424
PENLC	2,870	2,886	2,896	2,906	2,883	2,881	2,883	2,884	2,891	2,883	2,884	2,882	2,890	2,889	2,911	2,893
PEPCO	5,624	5,673	5,735	5,763	5,769	5,783	5,799	5,825	5,850	5,877	5,908	5,939	5,973	6,010	6,036	6,071
PL	7,427	7,509	7,596	7,630	7,606	7,610	7,622	7,649	7,681	7,709	7,743	7,782	7,820	7,867	7,894	7,939
PS	6,817	6,887	6,945	6,979	6,947	6,918	6,931	6,945	6,952	6,950	6,971	7,003	7,035	7,053	7,118	7,100
RECO	236	239	240	241	238	238	239	240	240	238	238	239	240	240	243	241
UGI	201	202	204	204	202	201	201	201	201	201	201	201	201	201	202	202
DIVERSITY - MID-ATLANTIC(-)	572	332	282	330	308	394	328	351	313	407	433	491	318	327	428	439
PJM MID-ATLANTIC	47,374	48,142	48,695	48,909	48,747	48,657	48,821	48,983	49,200	49,229	49,408	49,589	50,046	50,286	50,518	50,642
FE-EAST	9,350	9,462	9,568	9,644	9,568	9,558	9,565	9,592	9,627	9,637	9,675	9,722	9,772	9,829	9,895	9,896
PLGRP	7,628	7,711	7,800	7,834	7,808	7,811	7,822	7,850	7,882	7,909	7,943	7,983	8,021	8,068	8,095	8,140

**Table D-2**

**WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR  
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO  
2015/16 - 2030/31**

	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31
AEP	23,846	24,238	24,708	24,889	24,939	25,101	25,344	25,515	25,808	25,979	26,218	26,463	26,763	27,040	27,220	27,488
APS	8,970	9,220	9,451	9,541	9,580	9,628	9,672	9,730	9,801	9,861	9,919	9,980	10,053	10,123	10,176	10,251
ATSI	10,833	10,921	11,021	11,091	11,055	11,073	11,108	11,160	11,216	11,265	11,308	11,357	11,404	11,461	11,513	11,562
COMED	16,026	16,265	16,486	16,682	16,643	16,697	16,803	16,937	17,089	17,244	17,372	17,499	17,663	17,802	17,995	18,136
DAYTON	2,961	3,010	3,065	3,096	3,080	3,085	3,105	3,128	3,152	3,169	3,195	3,214	3,242	3,269	3,292	3,309
DEOK	4,660	4,720	4,784	4,807	4,793	4,853	4,923	4,918	4,957	4,960	5,003	5,073	5,143	5,157	5,160	5,202
DLCO	2,202	2,222	2,240	2,250	2,238	2,235	2,237	2,246	2,252	2,252	2,260	2,269	2,278	2,288	2,299	2,301
EKPC	2,912	2,940	2,977	2,994	3,010	3,030	3,048	3,067	3,088	3,112	3,134	3,156	3,177	3,199	3,222	3,251
DIVERSITY - WESTERN(-)	1,082	917	964	1,012	1,101	1,222	1,071	1,089	1,074	1,280	1,329	1,349	1,176	1,115	1,258	1,462
PJM WESTERN	71,328	72,619	73,768	74,338	74,237	74,480	75,169	75,612	76,289	76,562	77,080	77,662	78,547	79,224	79,619	80,038
DOM	18,508	19,128	19,673	20,058	20,204	20,365	20,583	20,820	21,050	21,276	21,498	21,735	21,972	22,222	22,433	22,664
DIVERSITY - INTERREGIONAL(-)	361	738	786	792	711	531	799	763	857	554	466	418	852	875	800	550
PJM RTO	136,849	139,151	141,350	142,513	142,477	142,971	143,774	144,652	145,682	146,513	147,520	148,568	149,713	150,857	151,770	152,794

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**Table F-1**

**PJM RTO HISTORICAL PEAKS  
(MW)**

**SUMMER**

YEAR	NORMALIZED BASE	NORMALIZED COOLING	NORMALIZED TOTAL	UNRESTRICTED PEAK	PEAK DATE	TIME
1998				133,189	Tuesday, July 21, 1998	17:00
1999	89,051			141,321	Friday, July 30, 1999	17:00
2000	91,069	47,601	138,670	131,803	Wednesday, August 9, 2000	17:00
2001	92,113	50,072	142,185	150,929	Thursday, August 9, 2001	16:00
2002	92,690	54,195	146,885	150,830	Thursday, August 1, 2002	17:00
2003	93,653	52,902	146,555	145,233	Thursday, August 21, 2003	17:00
2004	95,169	53,091	148,260	139,219	Tuesday, August 3, 2004	17:00
2005	95,786	58,994	154,780	155,209	Tuesday, July 26, 2005	16:00
2006	95,253	62,147	157,400	166,866	Wednesday, August 2, 2006	17:00
2007	96,680	62,975	159,655	161,988	Wednesday, August 8, 2007	16:00
2008	97,144	62,426	159,570	150,560	Monday, June 9, 2008	17:00
2009	94,670	57,120	151,790	145,056	Monday, August 10, 2009	16:00
2010	93,133	61,112	154,245	157,188	Wednesday, July 7, 2010	17:00
2011	93,328	60,032	153,360	165,466	Thursday, July 21, 2011	17:00
2012	92,948	60,997	153,945	158,128	Tuesday, July 17, 2012	18:00
2013	92,464	56,936	149,400	159,039	Thursday, July 18, 2013	17:00
2014	91,837	58,268	150,105	141,402	Tuesday, June 17, 2014	18:00
2015	91,108	59,187	150,295	143,497	Tuesday, July 28, 2015	17:00

**WINTER**

YEAR	NORMALIZED BASE	NORMALIZED HEATING	NORMALIZED TOTAL	UNRESTRICTED PEAK	PEAK DATE	TIME
97/98				103,235	Wednesday, January 14, 1998	19:00
98/99	87,537			116,078	Tuesday, January 5, 1999	19:00
99/00	89,288	26,292	115,580	118,438	Thursday, January 27, 2000	20:00
00/01	91,324	26,416	117,740	118,051	Wednesday, December 20, 2000	19:00
01/02	92,410	23,610	116,020	112,221	Wednesday, January 2, 2002	19:00
02/03	92,591	27,879	120,470	129,972	Thursday, January 23, 2003	19:00
03/04	93,710	28,970	122,680	122,357	Friday, January 23, 2004	9:00
04/05	94,387	30,003	124,390	131,164	Monday, December 20, 2004	19:00
05/06	94,643	32,257	126,900	126,703	Wednesday, December 14, 2005	19:00
06/07	96,076	34,004	130,080	136,739	Monday, February 5, 2007	20:00
07/08	97,180	34,870	132,050	128,313	Wednesday, January 2, 2008	19:00
08/09	96,326	32,774	129,100	134,021	Friday, January 16, 2009	19:00
09/10	93,425	34,945	128,370	125,276	Monday, January 4, 2010	19:00
10/11	91,823	36,977	128,800	132,228	Tuesday, December 14, 2010	19:00
11/12	92,284	34,056	126,340	124,420	Tuesday, January 3, 2012	19:00
12/13	92,061	33,919	125,980	128,724	Tuesday, January 22, 2013	19:00
13/14	91,120	38,020	129,140	141,746	Tuesday, January 7, 2014	19:00
14/15	90,162	38,108	128,270	142,762	Friday, February 20, 2015	8:00

Notes:  
 Normalized values for 2005 - 2015 are calculated by PJM staff using a methodology consistent with the PJM Load Forecast Model.  
 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	718,551	0.0%
1999	740,052	3.0%
2000	756,237	2.2%
2001	754,541	-0.2%
2002	782,300	3.7%
2003	780,693	-0.2%
2004	796,257	2.0%
2005	822,873	3.3%
2006	802,509	-2.5%
2007	835,782	4.1%
2008	822,098	-1.6%
2009	780,693	-5.0%
2010	819,576	5.0%
2011	805,366	-1.7%
2012	791,219	-1.8%
2013	794,484	0.4%
2014	795,519	0.1%

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**Table G-1**

**ANNUALIZED AVERAGE GROWTH OF INDEXED ECONOMIC VARIABLE  
FOR EACH PJM ZONE AND RTO**

	<b>5-Year (2016-21)</b>	<b>10-Year (2016-26)</b>	<b>15-Year (2016-31)</b>
AE	0.8%	0.7%	0.7%
BGE	1.3%	1.2%	1.2%
DPL	1.6%	1.4%	1.3%
JCPL	1.2%	1.0%	1.0%
METED	1.7%	1.5%	1.5%
PECO	1.6%	1.4%	1.4%
PENLC	1.2%	1.1%	1.0%
PEPCO	1.6%	1.4%	1.3%
PL	1.6%	1.4%	1.3%
PS	1.2%	1.0%	1.0%
RECO	1.1%	0.9%	0.9%
UGI	1.0%	0.8%	0.7%
AEP	1.8%	1.6%	1.5%
APS	1.8%	1.6%	1.5%
ATSI	1.5%	1.3%	1.2%
COMED	1.6%	1.4%	1.3%
DAYTON	1.3%	1.1%	1.0%
DEOK	1.7%	1.5%	1.4%
DLCO	1.4%	1.2%	1.2%
EKPC	1.8%	1.6%	1.5%
DOM	1.7%	1.5%	1.4%
PJM RTO	1.6%	1.4%	1.3%

Source: Moody's Analytics, October, 2015

**Notes:**

Values presented are annualized compound average growth rates.

Indexed economic variable is a combination of U.S. Gross Domestic Product, Gross Metropolitan Product, Real Personal Income, Population, Households, and Non-Manufacturing Employment.